

The College of Fine and Applied Arts

The College of Fine and Applied Arts

Glenda J. Treadaway, Dean

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In cooperation with other colleges of the University, the College of Fine and Applied Arts strives:

1. To provide for varied interests, desires, needs, and abilities of students
2. To provide a liberal education for all Appalachian students
3. To expand cultural horizons and develop appreciation of ethical and aesthetic values
4. To prepare students for certain professions
5. To prepare students for entrance into certain professional schools
6. To provide sound foundations for students capable and desirous of advanced study
7. To prepare students for graduate study and research

Departments

The College of Fine and Applied Arts consists of the following six departments:

Applied Design	Military Science and Leadership	Sustainable Technology and the Built Environment
Art	Sustainable Development	Theatre and Dance
Communication		

NOTE: *Although the requirements for most degree programs at Appalachian can be met within the minimum of 122 semester hours, the student should be aware that certain programs of study require additional hours. Students are advised to check with the department of their intended major early in their studies. Meeting graduation requirements is the student's responsibility.*

Degrees Offered

The College of Fine and Applied Arts offers Bachelor of Arts, Bachelor of Fine Arts, and Bachelor of Science degrees. In cooperation with the Reich College of Education, it offers the Bachelor of Fine Arts degree with teacher licensure in Art Education (K-12) and a Bachelor of Arts in Theatre Arts with a concentration in Theatre Education.

To be admitted to the College of Fine and Applied Arts as a candidate for a baccalaureate degree, a student must have:

1. Completed at least 30 semester hours
2. A grade-point average of at least 2.0
3. Obtained credit for RC 1000 or an equivalent course and obtained credit for or be currently enrolled in UCO 1200 or an equivalent course
4. Been accepted by a department in the College as a major in that department
5. Students moving from University College to the degree-granting department must check with the departmental office for the purpose of being assigned a faculty advisor.

A student who is a candidate for a teaching license must be admitted to the teacher education program by the chair of the Department of Curriculum and Instruction.

Calculation of the GPA (grade-point average) in the MAJOR is figured by using only those courses listed under the "MAJOR REQUIREMENTS" section of each program of study. The repeat rule is observed.

Advisement

Advisement for the College of Fine and Applied Arts is available through each department within the College. Students may also use DegreeWorks, Appalachian's online degree audit, for tracking major and minor requirements.

Bachelor of Arts Degree

To earn a Bachelor of Arts degree in the College of Fine and Applied Arts, students must meet the following requirements:

1. Completion of at least 122 semester hours with a grade-point average of at least 2.00. A transfer student must have at least a 2.00 grade-point average on all work at Appalachian.
2. Completion of general education requirements
3. Completion of six semester hours of a second year of foreign language or higher. The Department of Languages, Literatures, and Cultures places students at the level at which they are prepared to perform regardless of previously earned units.
4. Completion of a major consisting of no more than a total of 46 semester hours from one of the departments listed below:

Art, Theatre and Dance

Students in Art must have a 2.00 grade-point in each ART course required in the major. Students in Theatre and Dance must have an overall 2.00 grade-point average in the major; however, a grade of "B-" minimum is required in certain courses depending upon concentration chosen (see the program of study for specific requirements). Transfer students must

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complete at least eighteen semester hours of work in their major at Appalachian.

Specific requirements for each departmental major preface the list of courses offered by the department.

5. Completion of a minor consisting of 12 to 25 semester hours from a department other than the Departments of Leadership and Educational Studies; and Human Development and Psychological Counseling. Transfer students must complete at least 9 s.h. in their minor at Appalachian. The choice of a minor should be made under the guidance of the student's advisor.

Specific requirements for each departmental minor preface the list of courses offered by the department.

6. Completion of electives to total 122 semester hours
7. Completion of residency requirements
8. Compliance with regulations concerning the settlement of all expense accounts
9. Recommendation of the faculty

Meeting graduation requirements is the student's responsibility.

Students pursuing the B.A. degree are advised to refer to the section in this *Undergraduate Bulletin* entitled "Credit Limitations" which apply to that particular degree.

A candidate for the Bachelor of Arts degree may qualify for a teacher's license by admission to professional education courses through the office of laboratory experiences in the Reich College of Education and by completing all academic and professional educational requirements for licensure.

Bachelor of Fine Arts Degree

1. Completion of at least 122 semester hours with a cumulative grade-point average of at least 2.00. A transfer student must have at least a 2.00 grade-point average on all work at Appalachian.
2. Completion of general education requirements
3. Completion of a major as described by the Department of Art

Students in Art must have a minimum 2.00 grade-point in each ART course required within the major.

Specific requirements for this degree preface the list of courses offered by the department.

Bachelor of Science Degree (without teacher licensure)

To earn a Bachelor of Science degree in the College of Fine and Applied Arts, students must meet the following requirements:

1. Completion of at least 122 semester hours with a grade-point average of at least 2.00. A transfer student must have at least a 2.00 grade-point average on all work at Appalachian.
2. Completion of the general education requirements
3. Completion of a major as described by the various departments offering Bachelor of Science degree programs without teacher licensure:

Applied Design; Art; Communication; Sustainable Development; Sustainable Technology and the Built Environment

Students must have at least a 2.00 grade-point average on all work in the major. Transfer students must complete at least eighteen semester hours of work in their major at Appalachian and must have at least a 2.00 grade-point average on all work in the major at Appalachian.

Specific requirements for each departmental major preface the list of courses offered by the department.

4. Completion of a minor consisting of 12 to 25 semester hours (unless otherwise designated) (Transfer students must complete at least nine semester hours in their minor at Appalachian.) The choice of a minor should be made under the guidance of the student's advisor.

Specific requirements for each departmental minor preface the list of courses offered by the department.

5. Completion of electives to total 122 semester hours
6. Completion of residency requirements
7. Compliance with regulations concerning the settlement of all expense accounts
8. Recommendation of the faculty

Meeting graduation requirements is the student's responsibility.

Internships

Opportunities are available for students to become involved in internships associated with the academic disciplines represented by all the departments in the College of Fine and Applied Arts. These internships provide students with on-the-job experiences in many areas of endeavor and allow them to earn academic credit which is applicable toward their degree. Students interested in pursuing this valuable educational opportunity should contact either their departmental advisor or the departmental office. Consult the catalog statement which describes the student internship program.

Department of Applied Design (AD)

Richard S. Prisco, Interim Chair

Sidney G. Connor

Mitzi Cook

Donald Corey

Garner G. Dewey

David H. Domermuth

Richard A. Elaver

Hessam Ghamari

Kern Maass

Jeanne Mercer-Ballard

Nancy Oliver

Margot A. Olson

J. Alex Poorman

Michael A. Rall

Anthony Wilson

The Department of Applied Design is dedicated to fostering excellence in design education, design research, and professional placement. The Department balances theoretical and pragmatic approaches while exploring an awareness of the impact of design decisions on the global community. Sustainability and ethical responsibility are integrated as part of a holistic approach to creative problem solving.

The mission of the Department of Applied Design is to provide an educational foundation that prepares students to enter the design profession and become leaders in the design community.

The Department of Applied Design offers the following undergraduate degree programs:

Bachelor of Science degree in Apparel Design and Merchandising

Bachelor of Science degree in Industrial Design

with concentrations in Furniture Design or Product Design

Bachelor of Science degree in Interior Design

The Bachelor of Science degree in Apparel Design and Merchandising (710A/19.0901)

The Apparel Design and Merchandising program educates and prepares students with the skills necessary for the process of apparel product development from concept to consumer including design, production, distribution, marketing, and merchandising apparel and textile products. The comprehensive curriculum provides students with instruction, studio experiences, guest speakers and field study trips. In addition an internship is required. A minor in Marketing is obtained through the Walker College of Business. A minimum grade of "C" (2.0) is required in each major requirement and an overall cumulative 2.0 GPA is required to graduate.

The program of study is available at: www.programsofstudy.appstate.edu/apparel-design-and-merchandising-bs-710a-2015-2016

The Bachelor of Science degree in Industrial Design (576*/50.0404) has two concentrations, one in Furniture Design, and the other in Product Design. *Freshmen entering this program are required to have a laptop computer according to specifications described at:* www.tec.appstate.edu/students-computer-specifications

Students lacking proficiency in word processing, spreadsheets, internet, and email must take an introductory computer course.

The Bachelor of Science degree in Industrial Design with a concentration in Furniture Design (576B)

The program of study is available at: www.programsofstudy.appstate.edu/industrial-design-bs-furniture-design-576b-2015-2016

The Bachelor of Science degree in Industrial Design with a concentration in Product Design (576C)

The program of study is available at: www.programsofstudy.appstate.edu/industrial-design-bs-furniture-design-576b-2015-2016

Sophomore Portfolio Review for Industrial Design Students-

To support the professional orientation of the industrial design major and to assist the student in an appropriate career choice, all industrial design students must participate in the Sophomore Portfolio Review at the end of their sophomore year for admittance into the upper-level courses and to complete the industrial design curriculum.

A. Industrial design students must complete the following sequence of courses for the industrial design major with a concentration in either Furniture Design or Product Design before the Sophomore Portfolio Review:

1. INT 1001 Visual Literacy I
2. INT 1002 Visual Literacy II
3. IND 1010 CADD I: Imaging
4. IND 2012 Product Design
5. IND 2120 Materials and Processes I
6. IND 2201 Design Drawing I
7. IND 2301 Model Making (for students pursuing a concentration in Product Design)
8. IND 2411 Introduction to Design Studio
9. IND 2421 Preliminary Design Studio

B. At the completion of the courses, students will be asked to present a portfolio to the industrial design faculty. The portfolio will include five examples from the above classes and other work deemed appropriate for the presentation. The portfolio should show a range of skills including:

1. Drawing ability
2. Craftsmanship of physical models
3. Knowledge of computer programs
4. Knowledge of different materials
5. Show form sensibility (Sophomore Portfolio Reviews will occur at the end of the spring semester)

C. Students who do not pass the Sophomore Portfolio Review will be required to pursue one or more of several steps before reapplying to present the Sophomore Portfolio:

1. Consult with industrial design faculty to determine a plan for improvement of student's work
2. Take action identified in the consultation to build skills and knowledge, thus creating work for resubmission.
3. Redo the portfolio and reapply for the review procedure either one week later or on the first day of the fall semester.
4. Consider a related major or field.

The Bachelor of Science degree in Interior Design (550A/50.0408)

Freshmen entering this program are required to have a laptop computer according to specifications described at: www.interiordesign.appstate.edu/program/required-equipment

The program of study is available at: www.programsofstudy.appstate.edu/interior-design-bs-550a-2015-2016

Freshman Portfolio Review for Interior Design Students-

To support the professional orientation of the interior design major and to assist the student in an appropriate career choice, all interior design students must participate in the Freshman Portfolio Review at the end of their freshman year for admittance into the upper-level courses and to complete the interior design curriculum.

A. Interior design students will complete the following sequence of courses for the interior design major before the Freshman Portfolio Review:

1. INT 1001 Visual Literacy I
2. INT 1002 Visual Literacy II
3. INT 1100 Interior Design Studio I
4. INT 1300 Design and the Built Environment
5. IND 1010 CADD I: Imaging

B. At the completion of the courses, students will be asked to present a portfolio to the interior design faculty including:

1. Selected examples from the above classes and other work deemed appropriate for the presentation
2. A career goal statement plus individual evaluation of strengths and areas needing improvement by the student. Only students who have passed the Freshman Portfolio Review will be admitted to the upper-level courses (2000-4000) of the design curriculum. Freshman Portfolio Reviews will occur at the end of the Spring Semester. Passing the portfolio review allows a student a seat in the studio sequence beginning the following fall semester and does not guarantee a seat for deferral or future delays in proceeding. The student must consult with the program coordinator regarding any desire to defer proceeding the following fall.

C. Students who do not pass the Freshman Portfolio Review will be required to pursue one or more of several steps before reapplying to present the Freshman Portfolio:

1. Consult with interior design coordinator to determine a plan for improvement of student's work
2. Take action identified in the consultation to build skills and knowledge, thus creating work for resubmission
3. Redo the portfolio and reapply for the review procedure. Students may resubmit to the next Freshman Portfolio Review **ONE TIME ONLY**
4. Consider a related major or field.

D. All transfer students who wish to be admitted into the upper-level (2000- 4000) interior design courses at Appalachian State University must complete either the Freshman Portfolio Review or the Transfer Portfolio Review. To be considered for transfer credit for any INT course, a portfolio of all work must be submitted and received prior to Reading Day of the Fall or Spring Semester prior to entering Appalachian State University. Without significant transfer credit in interior design courses, the Bachelor of Science degree in Interior Design will generally take four years to complete.

Undergraduate Minors in the Department of Applied Design

A minor in Apparel Design and Merchandising (710/19.0901) (18 semester hours)

The program of study is available at: www.programsofstudy.appstate.edu/apparel-design-and-merchandising-minor-710-2015-2016

Courses of Instruction in Apparel Design and Merchandising (ADM), Industrial Design (IND), and Interior Design (INT)

This catalog reflects fall and spring semester offerings. Go to www.summerschool.appstate.edu for courses offered in summer terms. (For an explanation of the prefixes used in the following courses, see the listing of Course Prefixes.)

APPAREL DESIGN AND MERCHANDISING (ADM)

ADM 1000. Apparel and Consumer Behavior (3).F.

GEN ED: Social Science Designation; Liberal Studies Experience

An introductory study of the nature and importance of life styles; communication, economics, psychology, sociology, design and concepts of manufacturing, marketing and retailing as factors which influence consumer acceptance and utilization of fashions. Lecture three hours.

ADM 1001. Apparel Construction (3).F;S.

Theories and principles of garment design and structure in relation to figure types and posture, including their application in construction and fit of apparel for men and women. Laboratory six hours.

ADM 2000. Consumer Textiles (3).S.

Consideration of textile fibers and fabrics from the viewpoint of the consumer. Factors related to raw materials, comparative quality, serviceability and cost of textiles used in apparel and home furnishings. Lecture two hours, laboratory two hours.

ADM 2002. Drawing for Apparel (1).F.

An introductory course of quick sketching and drawing skills especially for apparel and textiles majors. Emphasis will be given to sight proportions, scale, perspective, figure drawing, rendering, and layout techniques. Students will become familiar and more skilled with drawing tools and materials. This course is designed for the non-art student who may not have previous drawing experience. Laboratory two hours.

ADM 2011. Flat Pattern Design (3).S.

The use of commercial basic patterns in developing slopers for use in designing garments in relation to figure problems and current fashion trends. Prerequisites: ADM 1001 and ADM 2000. Lecture one hour, laboratory four hours.

ADM 2050. CAD for Apparel Design and Merchandising (3).F.

This course focuses on the comprehensive introduction to computer-aided design (CAD) in apparel and textiles. The components, commands, and methods of computerized design and store planning will be emphasized. Pattern and textile design, production procedures, illustration, store floor planning, dimensional plans, and fixtures layout for the apparel industry developed. Prerequisites: ADM 1001, ADM 2000, and ADM 2011.

ADM 3002. Apparel Design and Production (3).S.

Interrelationship of historic costume, textile materials, design and fashion drawing and illustration as tools of apparel design and production. A study of apparel design and manufacturing processes. Lecture two hours, laboratory two hours. Corequisite: ADM 4060. Prerequisites: ADM 2011 and ADM 2050.

ADM 3003. Fashion Merchandising (3).S.

An introduction to and exploration of the fashion industry in which the interrelated nature, development, and operation of the textile and apparel industry within a fashion merchandising context is studied. Lecture three hours. Prerequisite: ADM 2000.

ADM 3010. History of Apparel (3).F.

A study of apparel worn by different people throughout history with emphasis on how social, political, and economic events have influenced the way people dress. The course will cover how historical trends influence current fashion and will provide the student a working knowledge of fashion terminology. Lecture three hours.

ADM 3500. Independent Study (1-4).On Demand.

ADM 3520. Instructional Assistance (1).On Demand.

A supervised experience in the instructional process on the university level through direct participation in a classroom situation.

Graded on an S/U basis. Prerequisite: junior or senior standing. May be repeated for a total credit of three semester hours. Approved contract required.

ADM 3530-3549. Selected Topics (1-4).On Demand.

ADM 4000. Styling for the Apparel Industry (3).F.

Introduction to styling for the apparel industry with emphasis on tools and techniques for the promotion of individual and product branding. Lecture three hours. Prerequisites: ADM 2000, ADM 2002, ADM 2050, ADM 3003.

ADM 4002. Visual Merchandising, Display and Promotion (3).S.

A study of visual merchandising and promotion within the context of the fashion industry. Creative opportunities are provided to develop skills through individual and group promotional activities and projects. Lecture two hours, laboratory two hours. Prerequisites: ADM 2002 and ADM 3003.

ADM 4003. Fashion Buying and Retail Math (3).F.

This course provides the basics of financial merchandise management and decision making for profitable apparel, textile and retail businesses. Merchandise buying is viewed from a qualitative and quantitative perspective. Lecture three hours. Prerequisites: ADM 3003 and ACC 2100.

ADM 4004. Merchandising Management: Principles and Practices (3).S.

An integrative approach to the role of merchandising management from a qualitative and quantitative perspective. Acquired merchandising concepts and principles are integrated and synthesized for the examination and exploration of the many aspects of merchandising management. Includes simulated management activities such as: case study and role playing. Lecture three hours. Prerequisites: ADM 4000 and ADM 4003.

ADM 4060. Illustration and Portfolio (3).S.

The student will develop and present a professional portfolio of work with emphasis on the area(s) in which the student wishes to specialize, including drawing the figure with proficiency and originality and developing advertising layout techniques. This course is designed to be a senior exit course for job searches and interviews. Lecture one hour, laboratory four hours. Corequisite: ADM 3002. Corequisite or prerequisite: ADM 4400. Prerequisites: ADM 4000 and MKT 3240.

ADM 4400. Professional Seminar (1).F;S.

GEN ED: Junior Writing in the Discipline (WID)

A study of concepts and skills essential for successful entry into the professional world including job search strategies, resume development, interview strategies, written and oral communication, professional ethics, and career management and development. Lecture one hour. Prerequisites: senior level standing or approval of the major advisor; and RC 2001 or its equivalent. Should be completed before taking ADM 4900.

ADM 4900. Internship (3-12).F;S;SS.

GEN ED: Capstone Experience

Field experience or employment in apparel design and merchandising. Supervision and evaluation by the employer and the faculty member.

Prerequisites:

- A. 2.00 overall grade-point average
- B. College rank: juniors (60+ s.h.)
- C. Completed 35 semester hours of apparel design and merchandising courses including ADM 4400.
- D. Internship proposal fully approved
- E. Major courses completed:

Apparel Design and Merchandising: ADM 1000, ADM 1001, ADM 2000, ADM 3002, ADM 3003, ADM 4004; ACC 2100; ECO 2030; MKT 3050

Graded on an S/U basis. Hours requirement for three credit hours is 120 hours with 40 hours required for each additional credit.

INDUSTRIAL DESIGN (IND)

IND 1001. Technical Drafting (4).On Demand.

Fundamentals of technical drafting including: lettering, sketching, instrument and CAD techniques, views and orthographic projection, pictorial drawing, dimensions, sections, and working drawings. Selected assignments from this course will be appropriate for inclusion in student portfolios. Lecture two hours, laboratory four hours.

IND 1010. CADD I: Imaging (3).F;S.

This course is a survey of Computer Aided Design and Drafting (CADD) software as it relates to Industrial Design. A focus will be placed on skill development of digital illustration and presentation techniques. Selected assignments from this course will be appropriate for inclusion in student portfolios. Lecture two hours, laboratory two hours.

IND 2000. Sophomore Portfolio Review (0).S.

The process of preparing and submitted the sophomore portfolio. Students are required to pass the review for admittance to upper level courses. The portfolio represents the student's best course work to date. Prerequisites: IND 1010, IND 2120; IND 2411 or IND 2421; RC 2001 or its equivalent; and declared major in Industrial Design. Graded on an S/U basis.

IND 2004. Introduction to Metals Technology (3).On Demand.

Experience-centered exploration into the sub-fields of metals technology with emphasis given to both the unique and supportive roles the metals industry plays in the total industrial scheme. Specific areas to be covered are: the nature and characteristics of metals, designing metals for manufacturing and production, layout techniques, bench metals, sheetmetal fabrication, fastening techniques, foundry, forging and heat treating. Lecture two hours, laboratory two hours.

IND 2005. Wood Technology (4).On Demand.

Introduction to woodworking with wood and the woods industry; care and use of basic woodworking tools and machines; processes and techniques involved in the planning, designing, jointing, shaping, and finishing of wood materials in the furniture industry. Lecture two hours, laboratory four hours. Prerequisite: IND 1001.

IND 2008. Plastics Technology (3). On Demand.

Introduction to materials and processes of the plastic industry. Laboratory experiences will include a variety of techniques and procedures utilizing these materials and processes. Lecture two hours, laboratory two hours.

IND 2012. Product Design (3).F;S.

GEN ED: Fine Arts Designation; Liberal Studies Experience

This is an introduction to product design and problem-solving techniques. Emphasis is given to history of industrial design, methods for communicating design ideas, systematic design, product design specifications, corporate strategies in planning product innovations, fundamentals of materials and manufacturing processes used in the mass production of consumer products. Students will write multiple reports and give oral presentations throughout the semester. Selected assignments from this course will be appropriate for inclusion in student portfolios. Lecture three hours.

IND 2110. Introduction to Fabrication (3).F;S.

This course will be an introduction to different materials and how to process them. Included will be a discussion of characteristics and the nature of woods, metals, and plastics. In addition, students will be exposed to a variety of processing techniques for these materials. Studio six hours.

IND 2116. Ceramic Technology (3).F;S.

Exploratory experiences with ceramic materials that emphasize the application and forming processes for industrial use. Specific areas covered are: materials, construction, jiggering, slip casting, molding, tech. glazing, kilns, and firing tech. Lecture two hours, laboratory two hours.

IND 2120. Materials and Processes I (3).F.

This course is an introduction to different materials and how to process them. Discussion of characteristics and the nature of materials might include: woods, metals, plastics, rubbers, concrete, fibers and ceramics. In addition, students will be exposed to a variety of processing techniques for these materials. Studio six hours.

IND 2201. Design Drawing I (3).F;S.

This course will introduce basic drawing principles and techniques as important tools for visual thinking and communication of design ideas. The primary emphasis will be on freehand sketching for quick ideation during problem-solving, though experimentation with different media will be encouraged. Studio six hours.

IND 2211. Design Drawing II (3).On Demand.

This course will introduce basic marker drawing principles and techniques as important tools for visual thinking and communication of design ideas. The primary emphasis will be on ballpoint and marker (Prismacolor or Pantone, etc.) rendering. Experimentation with different media will be encouraged (Prismacolor pencils, pastels, etc.). Lecture two hours, laboratory two hours. Prerequisite: IND 2201.

IND 2222. Laboratory Management (1).F;S.

Practical experience in facilities management and control. Including materials management, access regulation, machine functionality, material control, and safety. Prerequisites: IND 2120, Graded on an S/U basis. Laboratory two hours.

IND 2301. Model Making (3).F;S.

This course introduces students to wood shop equipment, machine shop equipment, mockup techniques, mold-making, thermoforming, painting, and finishing techniques. Quality, craftsmanship and shop safety are emphasized. The skills developed will provide students with the opportunity to create professional phototypes and visual tools to aid in their presentation/design development. Students are exposed to materials such as chipboard, wood, plastic and foam.

IND 2311. Human Factors in Design (3).F.

The study of human capabilities and the design of parameters to fit an environment, task or product. Topics include the range and application of human measurements and senses. The course also addresses ergonomic design and design for challenged individuals. Lecture three hours.

IND 2321. Physical Principles for Designers (3).S.

This course studies a broad array of physical principles useful for design. Topics include: heat transfer, thermodynamics, power mechanics, electronics and electricity, material science, strength of materials, statics, dynamics, and acoustics. The topics are covered as an overview with application examples. Students are expected to solve various design problems and give portfolio quality presentations to the class. Lecture two hours, laboratory two hours.

IND 2401. History of Furniture Design (3).S.

A seminar studying the history of furniture design from 3000 B.C. - present. As a survey of the development of furniture from antiquity to the present day, the course will examine furniture design within a broad context of social, political, economic, and technical perspectives exclusive to each historical period. Lecture three hours.

IND 2411. Introduction to Design Studio (3).F;S.

Product design studio is an integral aspect of the educational process of a designer. This course will allow students the opportunity to experience the process and methodology associated with studio projects. Successful students will complete a series of design projects where they develop concepts from ideas to fully realized models. Prerequisites: INT 1001, INT 1002, and IND 2201. Studio six hours.

IND 2421. Preliminary Design Studio (3).F;S.

Product design studio is an integral aspect of the educational process of a designer. This studio based course offers students the opportunity to experience the process with furniture based projects. Successful students complete a series of design projects focused on furniture related topics. Design concepts are generated, developed, and clarified in a process that moves from schematic studies to detailed proposals to built works. Prerequisites: INT 1001, INT 1002, and IND 2201. Studio six hours.

IND 2901. CADD II: Free Modeling (3).F;S.

This course is an in-depth exploration of Computer Aided Design and Drafting (CADD) software as used in free modeling applications. Units will include: layout and construction methods, perspective, finished illustration techniques and an introduction to animation. Lecture two hours, laboratory two hours. Prerequisite: IND 1010 or permission of the instructor.

IND 3004. Welding (3). On Demand.

This course covers information about welding safety, equipment, materials, and applications of arc, oxy-acetylene, and inert gas techniques to include typical welding positions and welding ferrous and nonferrous metals. Lecture one hour, laboratory four hours. Prerequisite: IND 2004.

IND 3025. Advanced Wood Technology (4).On Demand.

Advanced machine tool operations, furniture construction, and a study of general materials used in the furniture industry. Lecture two hours, laboratory four hours. Prerequisite: IND 2005.

IND 3054. Metals Technology (3). On Demand.

An in-depth, experience-centered examination of metal processing techniques. This course concentrates on advanced machine and non-machine metal manufacturing techniques. Emphasis will be placed on individual problem solving. Lecture two hours, laboratory two hours. Prerequisite: IND 2004.

IND 3100. Furniture Styling and Detailing (3).F.

This course takes an in-depth approach to research, sketching, and drawing to give students insight into furniture types, elements, and construction. This insight may be utilized to help focus further research and design, culminating in construction documents and renderings. Prerequisites: IND 1010, IND 2201, and IND 2401. Studio six hours.

IND 3120. Materials and Processes II (3).F;S.

This course is an advanced investigation into materials and techniques. Students are exposed to a variety of methods in a breadth of materials. Materials covered may include plastic, wood, metal and resins. Processes covered may include: rapid prototyping, computer numerical control, thermoforming, mold-making, casting, extrusion, injection and blow molding. Topics discussed may include: design for manufacturing, snap-fit design, design for disassembly, design for reuse, and the cradle to grave vs. cradle to cradle design theory. Studio six hours. Prerequisite: IND 2000.

IND 3200. Furniture Construction and Upholstery (3).S.

This course is a study of the construction practices commonly used by the furniture industry. Additionally, students will take an in-depth look at the techniques utilized in the construction and design of upholstered products. The knowledge obtained will be utilized to help focus further research and design, culminating in construction documents and a completely fabricated piece of furniture. Additional methods and processes addressed may include mock-ups, scale models, veneering, bent lamination, and finishing. Prerequisite: IND 3100. Studio six hours.

IND 3500. Independent Study (1-5).F;S.

Approved contract is required

IND 3525. In-Class Cooperative Experience (1-5).On Demand.

With the supervision of an industrial design faculty member, students will work with industrial partners/clients on real projects to help them troubleshoot design issues, prototypes, models, and samples. Prerequisite: Approval of instructor.

IND 3530-3549. Selected Topics (1-5).On Demand.

IND 3701. Product Design Studio I (4).F.

GEN ED: Junior Writing in the Discipline (WID)

This course will begin the more intensive development of a design process methodology for the design student. Communication of this process will be a primary focus through the documentation and presentation of all work throughout the semester. Students will have a series of design projects providing opportunities to explore various materials and processes, as well as addressing contemporary design issues and design theory. Potential projects may include furniture design, exhibit design, improving the ergonomics of existing products, and package design. Prerequisites: IND 2000, RC 2001 or its equivalent. Studio eight hours.

IND 3711. Product Design Studio II (4).S.

This course will continue the more intensive development of a design process methodology for the design student. Communication of this process will be a primary focus through the documentation and presentation of all work throughout the semester. Students will have a series of design projects providing opportunities to explore various materials and processes; as well as addressing contemporary design issues and design theory. Potential projects may include intermediate furniture design, exhibit design, improving the ergonomics of existing products and package design. Prerequisite: IND 3701. Studio eight hours.

IND 3901. CADD III: Parametric Modeling (3).S.

This course is an in-depth exploration of Parametric Computer Aided Design and Drafting (CADD) and its application in industrial design. Units will include: advanced 3D construction techniques, constraints, assembly modeling, finite analysis and document development. Lecture two hours, laboratory two hours. Prerequisites: IND 2000.

IND 3911. Rapid Prototyping (3).On Demand.

This class involves the study and practice of using computer aided design and drawing to interface with computer aided machining. The course presents the concepts of part positioning, machining reference datums, tooling, tool path, accuracy, and precision. Students are expected to design and produce finished parts for their design portfolios. Lecture two hours, laboratory two hours. Prerequisite: IND 2901.

IND 4100. Furniture Design Studio I (4).F.

This course is an advanced investigation into designing with new materials and techniques for furniture. Discussions will focus on contemporary issues affecting the furniture design industry. Topics covered may include green design, trend materials, ready-to assemble or knock-down, and packaging. Prerequisites: GRA 3102, IND 2120, IND 2201, IND 3120, IND 3200, and a declared major in Industrial Design. Studio eight hours.

IND 4110. Furniture Design Studio II (4).S.

This course is an advanced study of furniture design. Through the development of a systematic design methodology, students will undertake an in-depth approach to problem-solving for furniture design. Understanding and utilizing research as a primary tool, students will address specific design criteria and innovate for niche markets. Through the production of the actual working prototype, a further sense of how design functions as a tool will be achieved. In addition, this hands-on application will foster a greater knowl-

edge of materials, the applied integration of CAD, and an appreciation for craftsmanship. Prerequisite: IND 4100. Studio eight hours.

IND 4555. Contemporary Industrial Finishing (2). On Demand.

Care and maintenance of finishing equipment; selection and use of spray equipment; preparation of the surface to be finished, staining and filling undercoating, top coating, oil finishes, application of simple and synthetic finishes. Lecture one hour, laboratory two hours. Prerequisite: IND 2005. [Dual-listed with IND 5555.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

IND 4557. Design for Manufacture (3).F.

The theoretical design, development, and mass production of a manufactured product. To include market survey, design selection, prototype, construction, development of jigs and fixtures, and implementation of process planning and control systems. Lecture two hours, laboratory two hours. Prerequisite: IND 2000 [Dual-listed with IND 5557.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

IND 4565. Applied Furniture Design and Construction (4).On Demand.

The study of traditional and contemporary furniture, and its importance, design, and construction procedures. The student may design and construct a piece of traditional or contemporary furniture. Lecture two hours, laboratory four hours. Prerequisite: IND 3025. [Dual-listed with IND 5565.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

IND 4576. Production Techniques in Industrial Crafts (3). On Demand.

An analysis of functional design and production methods used in industrial crafts. Individual projects designed to employ various technical and mechanical methods of production to leather, ceramic, metals and combination of these craft materials. Lecture two hours, laboratory two hours. Prerequisite: IND 2116 or permission of the instructor.

IND 4596. Design and Material Development for Industrial Crafts (3). On Demand.

An analysis of the development processing, and finishing techniques used for ceramics, leather, and non-metal materials. Emphasis is on exploratory problems and the application of these materials to the design of industrial craft products. Lecture two hours, laboratory two hours. Prerequisite: IND 2116 or permission of the instructor.

IND 4701. Product Design Studio III (5).F.

The first semester of the senior design studio places higher expectations on the student's design process, as developed in IND 3711 (Product Design Studio II). Projects are research oriented, and documentation of the development of design ideas is paramount for successful completion of the course. Design research, as it can be applied to their upcoming senior design projects, is the focus toward the end of the semester. The subjects of design culture, the materiality of objects, product semantics and user-centered design are among the research topics and points of discussion. Potential projects may include consumer electronics, toys, transportation, and housewares. Industry sponsored projects are often undertaken as well. Lecture two hours, laboratory six hours. Prerequisite: IND 3711.

IND 4711. Product Design Studio IV (5).S.

The final semester of the product design studio sequence examines professional practice in the field of industrial design, professional ethics, available jobs, and opportunities for continued education. A fully executed design project is the primary focus of the semester, with the student using the research skills developed during the previous product design studios. Potential projects may include furniture design, exhibit design, consumer products, medical devices, and sporting goods. Passing a portfolio review is a requirement of this course. Lecture two hours, laboratory six hours. Prerequisite: IND 4701.

IND 4811. Professional Practice in Industrial Design (3).F.

In this course, students prepare to enter their career field. Course topics may include the development of professional contacts, interviewing skills, portfolio development, and the preparation of résumés, press releases, and design contracts. Students develop a comprehensive package to prepare for employment based on improved skill sets and capabilities. In-class learning is augmented by site visits to manufacturing facilities and design offices in the area. Corequisite: IND 4701 or IND 4100.

IND 4900. Internship (3-12).On Demand.

GEN ED: Capstone Experience

Minimum 160 work hours. Prerequisites: Permission of Instructor. Graded on an S/U basis.

INTERIOR DESIGN (INT)

INT 1001. Visual Literacy I (3).F.

Introduces fundamentals of 2D graphic communication through a variety of design projects. Investigates principles and elements

of design through problem-solving methods. Introduces composition, lettering, layout, line quality, graphic representation and color theory. Lecture one hour, studio four hours.

INT 1002. Visual Literacy II (3).S.

Explores principles of three-dimensional design as they relate to client-based markets, addressing issues of form, space and the design process. Pertinent vocabulary and concepts involved in the creation and critique of three-dimensional, client-based, functional objects, products and spaces will be covered. The course introduces problem solving techniques through ideation, form studies and models. Prerequisite: INT 1001. Lecture one hour, studio four hours.

INT 1100. Interior Design Studio I (3).S.

Foundation studio course, explores the fundamentals of interior design including the design process, principles and elements. Investigates problem-solving techniques through a variety of small-scale two and three-dimensional projects. Introduces critical thinking, analysis and communicating volumetrically. Includes creative problem-solving, process drawing, quick sketching and rendering, and modelmaking. Provides exposure to green design and team design. Prerequisites: INT 1001. Corequisite: INT 1002 or permission of the instructor. Laboratory two hours.

INT 1300. Design and the Built Environment (3).F.

Provides a survey of the interdisciplinary design professions and their impact on culture and human behavior. Includes case studies of the built environment. Lecture three hours.

INT 2001. Visual Literacy III (3).F.

Explores various graphic communication methods by means of advanced drawing and presentation techniques. Investigates manual and digital three-dimensional pictorial views, design sketching, presentation drawings, perspective, delineation and rendering. Provides exposure to a variety of graphic communication media, color theory, and presentation methods. Prerequisites: INT 1002 and completion of the Freshman Portfolio Review, or permission of the instructor. Lecture one hour, studio four hours.

INT 2100. Interior Design Studio II (3).F.

Introductory studio, focuses on application of design principles and elements in shelter interiors. Provides exposure to universal design principles, special populations, green design, social responsibility, human factors, kitchen and bath standards and specifications. Emphasizes critical thinking, space planning, circulation, and spatial analysis. Typical projects may include small and medium-scale residential and multi-family interiors. Prerequisite: completion of the Freshman Portfolio Review. Studio six hours.

INT 2110. Interior Design Studio III (3).S.

Intermediate-level studio, focuses on systems design. Explores problem identification, research, functional analysis, programming methods and space planning theory. Investigates codes, and the integration of building systems. Includes theories of circulation, systems, application of ergonomics, ADA, building codes, ceiling systems, and specifications. Typical projects may include medium-scale work, retail and exhibition spaces. Extends analytical and strategic thinking. Prerequisites: INT 2100 and must be a declared INT major. Studio six hours.

INT 2200. Interior Design Systems I (3).S.

Provides basic understanding of interior building products with focus on materials and finishes. Also includes systems furniture, architectural wall systems, and ceiling systems. Investigation and analysis of properties, selection criteria, costs, maintenance, specifications, codes, performance testing, sustainability, and life-cycle costing. Prerequisite: completion of the Freshman Portfolio Review or permission of the instructor. Lecture three hours.

INT 2300. History of Interior Design and Architecture I (3).F.

Explores history of interiors, architecture, and materials from prehistoric (ancient) times to the Industrial Revolution. Includes residential and commercial spaces. Provides exposure to multi-cultural issues in design. Prerequisite: completion of the Freshman Portfolio Review or permission of the instructor. Lecture three hours.

INT 2310. History of Interior Design and Architecture II (3).S.

Explores history of interiors, architecture, graphic and industrial design, and materials from the Industrial Revolution to the present. Includes residential and commercial spaces. Provides exposure to multi-cultural issues in design. Prerequisite: completion of the Freshman Portfolio Review or permission of the instructor. Lecture three hours.

INT 2330. Kitchen and Bath Workshop (3). On Demand.

Use of the National Kitchen and Bath Association Guidelines in the design and evaluation of kitchens and baths. Incorporates universal and green design concepts into space planning and specification of products for kitchens and bath design. Explores ergonomic and anthropometric research for decision-making. Emphasis primarily on residential applications. Prerequisite: INT 2100 or permission

of the instructor. Lecture two hours, studio two hours.

INT 2400. Interior Design Sophomore Field Study (0).On Demand.

Travel, tours and study of areas of interest within the interior design profession. Manufacturers, design firms, showrooms and museums are typical destinations. Attendance and overnight stays required. Graded on an S/U basis. Prerequisite: completion of the Freshman Portfolio Review or permission of the instructor.

INT 2500. Independent Study (1-4).F;S.

Approved contract is required.

INT 3001. Architecture and Design Internship Workshop (1).F.

Emphasizes study and preparation for the design workplace experience including internship requirements and objectives. Provides discussion of procedural and ethical concerns and preparation for the interview process. Includes research, goal-setting, design and creation of application materials and portfolio. Prerequisite: completion of the Freshman Portfolio Review or permission of the instructor. Lecture one hour.

INT 3005. Interior Design Studio IV (3).F.

Intermediate-level studio, focusing on global design in commercial environments. Course provides application of human environmental studies, multi-cultural studies, advanced graphics, space planning, lighting and green design. Typical projects may include hospitality facilities (hotels, resorts, restaurants), branding and consumer studies, and retail. Prerequisite: INT 2110. Studio six hours. (SPEAKING) (Global Learning Opportunity course)

INT 3105. Interior Design Studio V (3).S.

An advanced studio which focuses on problem-solving skills related to collaborative design. The course further develops concept writing, process drawing, space planning, design development, detailing, and green design understanding. Typical projects may include medium-scale healthcare and socially conscious design/service-based learning for non-profits. Prerequisite: INT 3005. Studio six hours.

INT 3200. Interior Design Systems II (3).F.

Explores ambient interior systems such as lighting, acoustics and indoor environmental quality (IEQ). Includes basic principles of illumination, exploration of light sources, identification, terminology, analysis, calculations, graphic representation and documentation to effectively communicate lighting design, acoustics and IEQ. Prerequisite: INT 2200 or permission of the instructor. Lecture three hours.

INT 3320. Environment and Human Behavior (3).S.

GEN ED: Junior Writing in the Discipline (WID)

Explores interrelationships between human behavior and the built-environment. Emphasizes synthesis of empirical research, analysis, mapping, design guidelines, programming, written documentation, and post-occupancy-evaluations. Study may include proxemics, human factors, social behavior, stressors and other prominent areas of research. Analysis may include residential or commercial spaces. Current topics may include placemaking, global issues, culture, defensible space. Prerequisites: completion of the Freshman Portfolio Review and RC 2001 or its equivalent. Lecture three hours.

INT 3500. Independent Study (1-4).F;S.

Approved contract is required.

INT 3520. Instructional Assistance (1).F;S.

A supervised experience in the instructional process on the university level through direct participation in a classroom situation. Graded on an S/U basis. Prerequisite: junior or senior standing. May be repeated for a total credit of three semester hours. Approved contract is required.

INT 3530-3549. Selected Topics (1--4). On Demand.

INT 3551. Technical Assistant (1).F;S.

A supervised, meaningful, planned and evaluated laboratory assistant experience. Students enrolled in this course will act as instructional aides within various interior design courses. Graded on an S/U basis. Prerequisite: completion of the Freshman Portfolio Review or permission of the instructor.

INT 4100. Interior Design Studio VI (4).F.

Advanced studio. May include programming and client issues, complex topics with professional documentation, focus on green design and advanced problem solving. Typical projects may include competition scenarios from varied sources. Prerequisite: INT 3105. Studio eight hours.

INT 4108. Studio VII Pre-Design (2).F.

This course focuses on pre-design phases for the senior project. Content may include project proposals, comprehensive research, programming, codes analysis, project management, site analysis, building identification and other pre-design issues. The course stresses the importance of pre-design work in the overall design process, with emphasis on current periodicals, references and literature. Prerequisite: INT 3105. Lecture two hours.

INT 4110. Interior Design Studio VII (4).S.

Final in a series of studios focusing on in-depth individual interior design projects. Emphasizes research, programming, comprehensive design, documentation and detailing. Typical projects may expose students to historic preservation, adaptive reuse issues, green design and incorporates advanced technical, analytical and theoretical problem-solving methods. Prerequisite: INT 4100. Corequisite: INT 4320. Studio eight hours.

INT 4301. Current Issues in Interior Design (1).On Demand.

Explores current issues and trends in interior design. Emphasizes synthesis of research and critical thinking for creative problem-solving. Topics vary from year to year. May be repeated for credit when content does not duplicate. Prerequisite: INT 3105. Laboratory two hours.

INT 4320. Professional Practices in Design (2).S.

Explores issues and ethics of interior design professional practice. Includes discussion of legal certification, professional organizations, and NCIDQ examination. Provides advanced study of professional standards, codes and specifications. Corequisite: INT 4110. Lecture two hours.

INT 4330. Construction Documents and Detailing (2).S.

Explores methodology of developing a comprehensive set of construction documents for commercial interior design projects using CAD as a production tool. Emphasizes drawing and document standards for plans, elevations, schedules, details and specifications in accordance with professional practice. Prerequisite: INT 2110. Studio four hours.

INT 4400. Interior Design Senior Field Study (1). On Demand.

Travel, tours and study of areas of interest within the interior design profession. Metropolitan areas, manufacturers, design firms, showrooms and museums are typical destinations. Attendance and overnight stays are required. Barring duplication of content, a student may repeat INT 4400 twice for a total credit of three semester hours with permission of the instructor. Graded on an S/U basis. Prerequisite: INT 2110 or permission of the instructor.

INT 4900. Internship (4).SS.

GEN ED: Capstone Experience

Prerequisites: all 3000-level interior design coursework. Graded on an S/U basis.

Department of Art (ART)

Clifton Meador, Chair

Jim A. Toub, Assistant Chair

Eli Bentor

Brian E. Bookwalter

Andrew Caldwell

John R. Craft

Christopher M. Curtin

Lynn Duryea

April V. Flanders

George B. Glisan

Michael Grady

Victoria Grube

Brooke Hofsess

Kevin R. Howell

Jeana E. Klein

John S. Latimer

Hui Chi Lee

Taekyeon Lee

Scott P. Ludwig

Maurice Meilleur

(Ara) Ed Midgett

Gary M. Nemcosky

Mark L. Nystrom

Ila S. Prouty

Thomas M. Reeves

Alyssia J. Ruggiero

Marissa Saneholtz

Jody M. Servon

John Stephenson

Lisa M. Stinson

Tricia Treacy

Heather L. Waldroup

Joshua White

Chip Williams

Yu-Ju Wu

The purposes of the Department of Art are: (1) to provide instruction and to promote co-curricular activities which prepare students for careers in the visual arts such as teaching, exhibitions, graphic design, photography, the graphic arts, or an arts related field such as arts management; (2) to provide instruction and training in the intellectual and technical skills necessary for design and studio art production; (3) to promote informed understanding of the value of art and design in contemporary and in historical cultures; (4) to cultivate students' abilities to think creatively and critically when both producing and responding to visual art; (5) to provide instruction and co-curricular activities in the visual arts as a component of the general education program; and (6) to contribute creative work and scholarship to the University community, the arts professions and to society in general.

Admission into Majors in the Department of Art

The following degree programs require a portfolio review: BA in Art and Visual Culture with a concentration in Studio Art, BFA in Studio Art, BFA in Graphic Design and the BFA in Art Education (K-12).

The following degree programs do not require a portfolio review: BA in Art and Visual Culture with concentrations in Art History and Art Management.

The Department of Art seeks to enroll the most capable and motivated young artists and designers in its degree programs. Admission is limited and highly competitive. The portfolio indicates the student's preparedness for entry into the department's rigorous and demanding studio-based curricula. It shows the applicant's aptitude for visual expression and demonstrates technical skills that have been acquired in the art and design.

Portfolio review by the Department of Art is independent of the University Admissions process. Portfolios are reviewed three times each year - on the last Wednesday of October and March and the first Wednesday in July. Artwork in any media may be included in the portfolio. Details for portfolio submission are available on the department website: www.art.appstate.edu/portfolioreview.php.

Students without a portfolio or those who do not pass the review are encouraged to enroll in studio classes that will assist them in developing their portfolios prior to a second portfolio submission. It is recommended that students apply to the review during or at the end of the first year.

Students who have successfully passed the portfolio receive priority enrollment in all art classes including all 1000 and 2000 level studio classes. Portfolio approval is a key requirement for declaring a major in Art and for enrolling in intermediate and advanced studio courses.

Applicants to the degree program in Art Management and Art History are not required to submit a portfolio in order to declare a major in these areas. Should a declared Art Minor wish to change to major in one of the areas mentioned above, and thereby gain access to upper division courses, the portfolio requirement would be in effect.

Newly admitted freshmen and transfer students are strongly advised to attend the Department of Art meeting scheduled during freshmen and transfer orientation sessions where additional important information is given to all prospective art majors.

GRAPHIC DESIGN CANDIDACY PORTFOLIO REVIEW (For admittance into the Bachelor of Fine Arts degree in Graphic Design): Art majors seeking the Bachelor of Fine Arts degree in Graphic Design must submit their work to the candidacy portfolio review in order to gain entrance into the BFA Graphic Design program. This second review usually occurs during a student's third semester at Appalachian (possibly earlier for transfer students), after the Department of Art's Portfolio Review and completion of ART 1001, ART 1002, ART 1003; ART 1102; ART 2102; and either ART 2030 or ART 2130. Students seeking the BFA degree in Graphic Design must pass the candidacy portfolio review before taking any 3000 level studio course. Students who do not pass this review may use their

earned art credits as electives or as requirements towards another degree in art or towards a minor in art. Students may also repeat courses and/or continue to take 2000 level studio courses and then re-submit their work one time only to the candidacy portfolio review. The candidacy portfolio review takes place on Reading Day at the end of the fall and spring semesters.

Computer requirement: Students who pass the Graphic Design Candidacy Portfolio Review are required to have a laptop computer and software that meets minimum graphic design program specifications. The Art Department will make a certain number of "loaner" computers available to students who demonstrate extreme financial need.

Students majoring in art must make a minimum grade of "C" (2.0) in each required art course. Courses stipulated as prerequisites for subsequent art courses must be successfully completed with a grade of "C" or higher before continuing to the next level of course work.

The Bachelor of Arts degree in Art and Visual Culture (549*/50.0701) with a concentration in Art History (549B)

The program of study is available at: www.programsofstudy.appstate.edu/art-and-visual-culture-ba-art-history-549b-2015-2016

The Bachelor of Arts degree in Art and Visual Culture (549*/50.0701) with a concentration in Studio Art (549C)

The program of study is available at: www.programsofstudy.appstate.edu/art-and-visual-culture-ba-studio-art-549c-2015-2016

The Bachelor of Arts degree in Art and Visual Culture (549*/50.0701) with a concentration in Art Management (549D)

The program of study is available at: www.programsofstudy.appstate.edu/art-and-visual-culture-ba-art-management-549d-2015-2016

The Bachelor of Fine Arts degree in Art Education (K-12) (584A/13.1302)[T] (with teacher licensure)

The program of study is available at: www.programsofstudy.appstate.edu/art-education-k-12-bfa-584a-2015-2016

The Bachelor of Fine Arts degree in Graphic Design (511A/50.0409)

The program of study is available at: www.programsofstudy.appstate.edu/graphic-design-bfa-511a-2015-2016

The Bachelor of Fine Arts degree in Studio Art (513A/50.0702)

The program of study is available at: www.programsofstudy.appstate.edu/studio-art-bfa-513a-2015-2016

The Bachelor of Science degree in Commercial Photography (583A/50.0406)

Freshmen entering this program are required to have a laptop computer according to specifications described at: www.tec.appstate.edu/students-computer-specifications

The program of study is available at: www.programsofstudy.appstate.edu/commercial-photography-bs-583a-2015-2016

Sophomore Portfolio Review for Commercial Photography Students

Students majoring in Commercial Photography must successfully complete a sophomore portfolio review before registering for 3000 and 4000-level Commercial Photography coursework.

A. Commercial Photography majors must complete or be currently enrolled in the following courses before submitting a sophomore portfolio: PHO 1022, 2022, 2032 and 2052.

B. After the return from mid-term break each semester a call for portfolios will be made. Eligible students may submit a portfolio of 10-12 images representing their best work, including one series of 3-4 related images. The portfolio must also contain a brief (less than one page) statement which states the students' interests and goals for their future in commercial photography.

The sophomore portfolios will be evaluated by a panel of Commercial Photography faculty and judged on the following criteria:

1. Effective use of design
2. Compositional strength
3. Effective use of camera controls
4. Lighting control or understanding of lighting factors.

C. Students who do not pass the sophomore portfolio review will be required to pursue one or more of these steps:

1. Consult with a Commercial Photography faculty member to determine a plan for improvement of student's work.
2. Take action identified in the consultation to build skills and knowledge, thus creating work for resubmission.
3. Resubmit a portfolio in the same or subsequent semester.

The Bachelor of Science degree in Graphic Arts and Imaging Technology (572*/50.0409) has three concentrations, Print Production, Packaging Production, and Cross Media Production. GAIT Program Computer Requirement: *All students entering this program are required to have a Macintosh laptop or notebook computer according to specifications described at: www.tec.appstate.edu/students-computer-specifications.*

The Bachelor of Science degree in Graphic Arts and Imaging Technology with a concentration in Print Production (572B)

The program of study is available at: www.programsofstudy.appstate.edu/graphic-arts-and-imaging-technology-bs-print-production-572b-2015-2016

The Bachelor of Science degree in Graphic Arts and Imaging Technology with a concentration in Packaging Production (572C)

The program of study is available at: www.programsofstudy.appstate.edu/graphic-arts-and-imaging-technology-bs-packaging-production-572c-2015-2016

The Bachelor of Science degree in Graphic Arts and Imaging Technology with a concentration in Cross Media Production (572D)

The program of study is available at: www.programsofstudy.appstate.edu/graphic-arts-and-imaging-technology-bs-cross-media-production-572d-2015-2016

Undergraduate Minors in the Department of Art

A minor in Art History (505/50.0703) (18 semester hours)

The program of study is available at: www.programsofstudy.appstate.edu/art-history-minor-505-2015-2016

A minor in Studio Art (513/50.0701) (18 semester hours)

The program of study is available at: www.programsofstudy.appstate.edu/studio-art-minor-513-2015-2016

A minor in Commercial Photography (583/50.0406)

The program of study is available at: www.programsofstudy.appstate.edu/commercial-photography-minor-583-2015-2016

A minor in Graphic Arts and Imaging Technology (572/50.0409)

The program of study is available at: www.programsofstudy.appstate.edu/graphic-arts-and-imaging-technology-minor-572-2015-2016

Honors Program in Art

The Department of Art offers honors courses to students who have a minimum overall GPA of 3.45 in art courses and/or are nominated by a faculty member, and are invited by the Art Honors Committee. Qualified non-majors may enroll in art honors courses. However, to graduate with "honors in art" a student must be an art major who has completed at least nine semester hours of work in departmental honors courses. Three of the semester hours taken must include ART 4510, Senior Honors Thesis.

Courses of Instruction in Art (ART), Commercial Photography (PHO), and Graphic Arts and Imaging Technology (GRA)

This catalog reflects fall and spring semester offerings. Go to www.summerschool.appstate.edu for courses offered in summer terms. (For an explanation of the prefixes used in the following courses, see the listing of Course Prefixes.)

ART (ART)

ART 1001. Foundations I (3).F;S.

Basic introduction to two-dimensional design emphasizing the structural elements of art, the principles of visual organization, and the psychological effects of visual decision making. Color theory, including schematic uses and historical and psychological aspects, will be explored along with the application of color mixing and color integration. There will be an introduction to the critical and analytical approaches to the visual arts. Studio six hours.

ART 1002. Foundations II (3).F;S.

This course is the second half of an introduction to the structural elements of art. It examines the organizational principles of three-dimensional design and the study of equipment and materials used in this area of art making. Emphasis is on three-dimensional vocabulary, understanding of sculptural space, the use of hand and power tools, materials manipulation, and processes related to three-dimensional art. Studio six hours.

ART 1003. Foundations Drawing (3).F;S.

An introduction to drawing as a primary means of visual investigation. Major class topics include drawing from observation and visualization (drawing from imagination). Class exercises focus on rendering objects, spaces, and the human figure in basic wet and dry media (graphite, charcoal, and ink). Conceptual and process-centered approaches in contemporary drawing will be introduced. Studio six hours.

ART 1004. Visual Arts Exhibition Guide (1).F;S.

Students will familiarize themselves with current exhibitions of the Turchin Center for the Visual Arts, research aspects of the exhibitions, prepare educational materials, and give tours to groups and individuals. Open to art majors and non-art majors. Lecture/practicum one hour per week. May be repeated for a total of six semester hours credit.

ART 1005. Studio Seminar I (3).F;S.

Studio Seminar I will introduce students to contemporary studio art praxis. This course integrates idea generation and art making. The course will introduce students to the many resources available at ASU as they contribute to and enrich students' experience of art. It is an introduction to the inter-relationship between the history, criticism, theory and practice of the visual arts. It includes an overview of art world institutions and their relevance to understanding the artist's role in the world today. Issues central to professional practice such as preparing artist statements, documenting one's work and researching educational and funding sources will also be addressed. Lecture and studio four hours.

ART 1010. Visual Communication (3). On Demand.

This course examines the significance of the image as a vehicle of communication. Concepts and techniques taken from historical as well as from contemporary sources will seek to develop an understanding of the nature of the visual process and its importance in human lives. Studio work will include art experiences designed to increase an understanding of form and of content. Lecture and studio four hours.

ART 1020. Core Studio I (3).F;S.

Introduction to two-dimensional studio experience, combining practices in 2D design, drawing, painting, and collage. This course focuses on making and interpreting images through sketch exercises, creative visual research, and long-term mixed media projects. Studio six hours.

ART 1021. Core Studio II (3).F;S.

Introduction to three-dimensional and four dimensional studio practices combining practices in 3D design, object making, and time based media. This course focuses on making and interpreting forms and actions through sketch exercises, creative visual, research, and long-term mixed media projects. Studio six hours.

ART 1102. Introduction to Graphic Design (3).F;S.

This is an introductory level course for students entering the field of graphic design. It involves studio inquiry into the nature of visual communication. The course is structured to foster a personal approach to the design process and the ability to discuss design critically. Topics introduced in the course include typography, symbols, contemporary design practice and the relationship between designer, audience and message. Work produced in this course allows for the discovery of the language, creative problem-solving processes and technologies fundamental to graphic design. Prerequisites: ART 1001 and ART 1003. Studio six hours.

ART 2007. Clay I: Handbuilding (3).F;S.

An introduction to clay as a material and means of expression, with emphasis on the development of content with hand-formed objects. Consideration will be given to ceramic history in relation to contemporary practice. Students will develop critical and reflective thinking skills in relation to their studio production through research, writing, discussions and presentations. Prerequisites: ART 1001 and ART 1002, or ART 1020 or ART 1021. Studio six hours.

ART 2008. Fibers: Materials and Processes (3).F;S.

A general introduction to a broad range of basic fibers processes and materials, such as dyeing and block printing, papermaking, felt-making, tapestry and wearables. Emphasis is on the development of technical fibers skills with application to individual works of art and design. Prerequisites: ART 1001 and ART 1003, or ART 1020 or ART 1021. Studio six hours.

ART 2009. Metalsmithing and Jewelry Design I: Fabrication and Stone Setting (3).F;S.

This course will focus on processes for construction with nonferrous metals. Techniques will include basic fabrication, stone setting, forming and the creation of mechanisms. Prerequisites: ART 1001 and ART 1002, or ART 1020 or ART 1021. Studio six hours.

ART 2011. Introduction to Visual Arts (3).F;S.

GEN ED: Fine Arts Designation; Liberal Studies Experience

This course covers selected historical and contemporary issues, the formal structure and critical analysis of the visual arts and an examination of art's relationship to ideas, beliefs and culture. Students will develop a critical understanding of art as a manifestation of broader social, historical, and contemporary issues in a global context. Lecture three hours. (CORE: HUMANITIES)

ART 2016. Introduction to Studio Art and Design (3).F;S.

GEN ED: Fine Arts Designation; Liberal Studies Experience

An introductory exploration of contemporary studio art practice, with a specific thematic focus. Students will experiment with materials and techniques, complete research on visual/thematic topics, and document their developing ideas. Projects will introduce a variety of two dimensional, three dimensional, and time-based media. Sample themes include topics in culture, technology, history, sociology, and the environment. Barring duplication of content, a student may repeat the course for a total credit of nine semester hours. Studio six hours.

ART 2019. Art for Social Change (3).F;S.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "Revolutions: Social and Political")

This course combines an introductory studio course with an examination of the way in which art can contribute to social change. Studio assignments will involve students in the investigation, understanding and application of artistic methods and the principles of design while thematically exploring contemporary social issues. Lectures, class discussions and project critiques are geared to develop students' awareness of how art can address social issues. Studio six hours.

ART 2022. Cultivating Creative Expression Through Visual Art (3).F;S.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "Cultivating Creative Expression")

Students will create works of visual art in various media, reflecting on the creative process, the influence of culture, and the dynamic and reciprocal interactions among the artist, instructor, and student. Lecture and studio four hours.

ART 2025. Printmaking: Relief (3).F;S.

A general introduction to printmaking: its history, development, techniques, and processes. Various relief printmaking techniques will be explored such as woodcut, linocut, collagraph, and non-traditional methods. Using additive and reductive processes, students work in black and white and in color, learning the registration and printing of multiple matrices. Traditional, contemporary, and experimental approaches are encouraged. Prerequisites: ART 1001 and ART 1003, or ART 1020 or ART 1021. Studio six hours.

ART 2026. Photographic Design I (3).F;S.

An introduction to photography. This course offers a foundation in the basic technical skills and aesthetic knowledge needed to create fine art photography. Historical and contemporary issues, critical thinking, and visual analysis will be emphasized through oral discussion and written documentation. A camera is required per the instructor's directions. Prerequisites: ART 1001 and ART 1003, or ART 1020 or ART 1021. Studio six hours.

ART 2030. Art from Prehistory to 1400 (3).F;S.

GEN ED: Fine Arts Designation; Liberal Studies Experience

A global survey of art history focusing on the early visual artistic traditions of Europe, Asia, Africa and the Americas from the dawn of art to 1400. The course examines visual art and art making in religious, social, cultural, and political contexts. Lecture three hours. (MULTI-CULTURAL) (CORE: HUMANITIES)

ART 2040. Clay I: Mold-Making and Casting (3).F;S.

An introduction to the materials and methods particular to the creative use of ceramic mold-making and casting. Students will develop critical and reflective thinking skills with regard to their studio production through research, writing, discussions and presentations. Focus will be on employing ceramic processes and firing methods relevant to content. Prerequisites: ART 1001 and ART 1002, or ART 1020 or ART 1021. Studio six hours.

ART 2050. Clay: Methods and Materials (3).On Demand.

This course involves hands-on working experience with ceramic raw materials and the formulation of clay bodies and fired surfaces, with an emphasis on accurate testing and recording methods. Students are expected to assess and apply the results of this materials research to the conceptual development of their work. Prerequisite or corequisite: any level I clay course (ART 2007, ART 2016 in clay, ART 2040, or ART 2107) or permission of the instructor. Studio six hours.

ART 2100. Painting I (3).F;S.

An introduction to the principles of spatial organization and color interaction. Includes exploration of concept, materials and techniques, light, color, form, and space. Prerequisites: ART 1001 and ART 1003, or ART 1020 or ART 1021. Studio six hours.

ART 2101. Sculpture I: Modeling and Casting (3).F;S.

An introduction to sculptural ideas and concepts developed through modeling in clay, wax and plaster molding processes. An introduction to foundry casting includes basic sand casting and plaster investment processes. Prerequisites: ART 1001 and ART 1002, or ART 1020 or ART 1021. Studio six hours.

ART 2102. Typography I (3).F;S.

This course concentrates on the study of typography. Course includes a survey of major typographical trends, analysis of letterforms, typesetting methods and the use of type in layout design. Prerequisites: ART 1001 and ART 1003. This course (ART 2102) may be taken concurrently with, but not before ART 1102. Studio six hours.

ART 2103. Drawing II (3).F;S.

An exploration of contemporary drawing practices, focusing on process, experimentation, content development, and refining observational drawing skills. Class projects address creative problem-solving in composition, visualization, and graphic expression. Emphasis is on the figure as a subject matter and drawing from the live model. Introduction to a broader range of drawing media, including color and collage. Prerequisites: ART 1001 and ART 1003, or ART 1020 or ART 1021. Studio six hours.

ART 2104. Digital Imaging (3).F;S.

This course introduces the student to technical and aesthetic aspects of digital image manipulation for artists and designers. Prerequisites: ART 1001 and ART 1003 or ART 1020 and ART 1021 for declared Art Management majors. Studio six hours.

ART 2107. Clay I: Throwing (3).F;S.

An introduction to clay as a material, using the potter's wheel as a tool to generate form and express ideas. Technical skill and concept development will be emphasized. Students will develop critical and reflective thinking skills with regard to studio practice through research, writing, discussions and presentations. Prerequisites: ART 1001 and ART 1002, or ART 1020 or ART 1021. Studio six hours.

ART 2125. Printmaking: Screenprinting (3).F.

This course introduces photomechanical screenprinting processes and techniques to create original prints. There is an additional emphasis on color theory for printmaking as well as techniques for creating editions and experimental prints. Prerequisites: ART 1001 and ART 1003, or ART 1020 or ART 1021. Studio six hours.

ART 2130. Art from 1400 to the Present (3).F;S.

GEN ED: Fine Arts Designation; Liberal Studies Experience

A global survey of art history from 1400 to the present examining the later artistic traditions of Europe, Asia, Africa, Oceania and the Americas. The course focuses on visual art and art making in light of changing social, political, religious, and cultural circumstances. Lecture three hours.

ART 2201. Sculpture I: Carving and Construction (3).F;S.

An introduction to sculptural ideas and concepts developed through carving in stone and wood and additive construction in materials such as welded steel. The student is introduced to the use of specialized hand and power tools including pneumatic chisels and die grinders as well as power sanders and grinders required for shaping and finishing stone, wood and steel. Prerequisites: ART 1001 and ART 1002, or ART 1020 or ART 1021. Studio six hours.

ART 2222. Introduction to Art Education (3).F.

This introductory course in art education will cover: current practices and philosophies in art education; multiple histories of art education; assessment as artifact; teacher as listener; and the role of materials to support, integrate, and challenge the artistic growth of young people in school. Students will learn how to create a lesson plan based on a provocation in an emergent integrative curriculum. Students will observe different teaching settings with perceptual, societal and artistic analysis implicit in programs observed. Participation in Saturday morning art workshops is expected.

ART 2230. History of Graphic Design (3).F;S.

A historical survey of visual communication, this course highlights key graphic designers and meta-disciplinary creative thinkers who have shaped significant innovations in the field. Examining relevant artistic, cultural, and technological events provides a context for understanding contemporary graphic design practice. Lecture three hours.

ART 2302. Calligraphy (3).On Demand.

An introduction to hand-lettering. Both monoline and edged-pen lettering styles are studied in their historical context, including Roman capitals, minuscules, and Italic styles. The application of color to letter forms will be examined, as well as various methods of page composition, surface decoration and bookbinding. Prerequisite: ART 1001 or permission of the instructor. Studio six hours.

ART 2420. The Child as Cultural Construct (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

Students will study the cultural, empirical, and personal image of the child and how these collective beliefs influence the practice of art education. Specific topics include: recognizing the child as cultural construct, the teacher and child as co-constructors of knowledge, the value of a child's aesthetic, and authentic assessment. The class will be a combination of written responses, class discussions, research observations, technological applications and a community collaborative art experience as it relates to contemporary visual culture, the image of the child and to the child's art making. Theories of art education that illuminate the vital importance of personal experience, public memory, intertextuality, and cultural narrative will be examined. Various models for assessing student performance will be studied with special attention given to creating assessment tools that deconstruct the practice of knower and non-knower and construct practical instruments. Prerequisite: RC 2001 or its equivalent.

ART 2444. Materials and Processes in Art Education (3).S.

This course will offer an in-depth and sustained exploration of the properties, structures, and expressive uses of selected art materials. The course aims to enrich and extend personal visual repertoires and in parallel, provoke insights into the role of materials in supporting, integrating and challenging the artistic growth of young people in school. Prerequisite: portfolio review.

ART 2500. Independent Study (1-4).F;S.

Majors in art may broaden and intensify their program through individual research and involvement in a given area of art. Prerequisite: permission of the departmental chair.

ART 2601. Textile Design (3).F.

An introduction to weaving and surface design techniques. Emphasis is on material selection, color theory and image sources as applicable to the development of individual textile designs. Prerequisite: registration is restricted to students majoring in the B.S. degree in Apparel and Textiles, or by permission of the instructor. Studio six hours.

ART 2602. Fibers: Weaving I (3).S.

An introduction to the weaving loom as an art-making tool, through basic weave structures, hand-manipulated weaves and weave-drafting. Emphasis is on the selection of materials, woven structures, and color theory as related to the development of individual works of art and design. Prerequisites: ART 1001 and ART 1003, or ART 1020 or ART 1021. Studio six hours.

ART 3007. Clay II: Handbuilding (3).F;S.

An in-depth exploration of processes and firing methods with hand-formed clay. Emphasis is on the development of conceptual skills and an individual approach. Structured and student-generated assignments will integrate technical skill with creative insight. Prerequisites: ART 1001, ART 1002, ART 1003, ART 2007, and portfolio review or permission of the instructor. Studio six hours.

ART 3009. Metalsmithing and Jewelry Design II: Casting (3).F.

This course will introduce centrifugal casting, rubber mold making, advanced stone setting, repousse and chasing. Students will continue to develop and incorporate forming and fabrication skills. Prerequisites: ART 1001, ART 1002, ART 1003, ART 2009 and portfolio review, or permission of the instructor. Studio six hours.

ART 3013. Introduction to New York/Washington Art Scene (1).F;S.

The ASU-NY Loft and/or the Appalachian House in Washington are bases from which visiting groups of students will experience the art museums and galleries in each city. Trips to these cities, organized by art faculty, allow students to gain one semester hour credit. Individual projects are assigned by the instructor leading each trip. May be repeated for a total of three hours credit.

ART 3015. Studio Seminar II (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

This hybrid theory/studio course will explore various strategies and approaches to art making with special focus on conducting research and cultivating writing skills specifically relevant to studio practice. It will provide an integrated introduction to the theory and practice of art making as it relates to the many institutions comprising the art world. This course will also explore various rationales and strategies for promoting and displaying art. Writing about the process of creating, displaying and articulating the meaning of one's own work and the work of others will be emphasized. Prerequisites: ART 1001, ART 1002, ART 1003 and ART 1005 and Portfolio Review and RC 2001 or its equivalent. Lecture and studio four hours.

ART 3017. Fibers: Weaving II (3).F;S.

Further exploration of weaving as a technique for art-making. Emphasis is on the development of critical thinking and technical weaving skills with application to individual works of art and design. Includes integrations with other fibers processes and techniques. Prerequisites: ART 1001, ART 1002, ART 1003, ART 2601 or ART 2602 and portfolio review, or permission of the instructor. Studio six hours.

ART 3021. Visual Art in the Elementary School (3).F;S.

A general orientation to visual art teaching/learning for the elementary level teacher. Students will study visual culture as it relates to children's art-making and the larger world. The class offers a studio experience with ongoing sketchbook assignments. There is a practicum requirement outside of class time where students implement art education theories and methods in an actual teaching situation and perform a child study based on art education meaning-based pedagogy. Lecture two hours per week, studio two hours per week, plus observations and teaching experiences outside of class time are required. (Note: Those pursuing a second concentration in visual arts should take ART 2420 instead of ART 3021.)

ART 3022. Art Education: Birth Through Six—Making Sense of the World (3).F.

Focusing on the child, ages birth through six, this course is based on a theory of visual culture: the questioning of developmental stages, the image of the child as a cultural convention, personal narrative, meaningful art practice, and recognizing art as a dialogue between individuals and culture. Readings, written responses, discussions will be based on what we know collectively about the growth and development of the young child, good teaching practice, and critical pedagogy. The class will offer studio experiences, observations and teaching experiences. Students will design and implement a case study. Lecture two hours per week, studio two hours per week, plus observations and teaching experiences outside of class time are required.

ART 3040. Clay II: Mold-Making and Casting (3).F;S.

An in-depth exploration of molds and casting to attain broader technical and conceptual skills in clay and mixed media. Coursework will include installation, site specific and collaborative endeavors. Structured and student-generated assignments will bridge technical awareness and creative insight. Prerequisites: ART 1001, ART 1002, ART 1003, ART 2040 and portfolio review or permission of the instructor. Studio six hours.

ART 3050. Digital Photographic Design (3).F;S.

This course will develop basic skills in digital art photography, building on knowledge gained in ART 2026 (Photographic Design I). Photographic image-making will be explored utilizing digital cameras and image-software. Issues in photography will also be investigated. Readings, discussions, field trips, lectures, research, written assignments and image presentations will be incorporated into the coursework. A DSLR camera is required per the instructor's directions. Prerequisites: ART 1001, ART 1002, ART 1003, ART 2026 and portfolio review or permission of the instructor. Studio six hours.

ART 3100. Painting II (3).F;S.

Further exploration of formal issues such as light, color and space. Additional examination of painting techniques, processes and materials. Emphasis is on more challenging, concept-driven assignments. Prerequisites: ART 1001, ART 1002, ART 1003, ART 2100, and portfolio review, or permission of the instructor. Studio six hours.

ART 3102. Typography II (3).F;S.

Second course in the typography sequence focusing on the design of multiple pages, an introduction to publication design, basic typographic systems, and typographic hierarchy. An introduction to the use of type with image and the surface design of three-dimensional form will be studied. Students who do not pass Candidacy Portfolio Review before starting this course will be required to drop the course. Prerequisite: Graphic Design Candidacy Portfolio Review. Studio six hours.

ART 3103. Contemporary Issues in Advanced Drawing (3).F;S.

A further exploration of contemporary drawing practices, with a specific thematic focus. Students will use sketchbook development, material experimentation, and visual research to create an independent body of work. Class themes include the human figure, narrative and sequential art, illustration, process and abstraction, and digital drawing media. All classes will examine the cross-cultural development of drawing in art history, and students will also have the opportunity to explore a variety of contemporary aesthetic approaches. Barring duplication of content, a student may repeat the course for a total credit of nine semester hours. Prerequisites: ART 1001, ART 1002, ART 1003, ART 2103 and portfolio review, or permission of the instructor. Studio six hours.

ART 3107. Clay II: Throwing (3).F;S.

An in-depth exploration of wheel-thrown clay to attain broader technical and conceptual skills. Emphasis is on the development of critical thinking and an individual approach to materials and processes through structured and student-generated assignments which will bridge technical awareness and creative insight. Prerequisites: ART 1001, ART 1002, ART 1003, ART 2107 and portfolio review or permission of the instructor. Studio six hours.

ART 3109. Metalsmithing and Jewelry Design II: Hollowware (3).S.Odd-numbered years.

This course will introduce the smithing processes of raising, stretching, sinking and shell forming used in the creation of both traditional and nontraditional hollowware forms. In addition, students will continue to develop fabrication, stone setting and casting techniques by adapting and integrating them into more complex and sophisticated forms. Prerequisites: ART 1001, ART 1002, ART 1003, ART 2009 and portfolio review, or permission of the instructor. Studio six hours.

ART 3110. Metalsmithing and Jewelry Design II: Computer Aided Jewelry Design (3).On Demand.

This course will introduce computer aided design and rapid prototyping processes currently used in the field of jewelry design and manufacture. Students will design and create objects using CAD software and rapid prototyping machinery. In addition, students will continue to develop traditional fabrication, stone setting and casting techniques by adapting them to the CAD/CAM environment. Prerequisites: ART 1001, ART 1002, ART 1003, ART 2009 and portfolio review, or permission of the instructor. Studio six hours.

ART 3111. Metalsmithing and Jewelry Design II: Enameling (3).S.Even-numbered years.

This course will introduce the processes of cloisonné, plique-a-jour and champlevé enameling. In addition, students will continue to develop traditional fabrication techniques, adapting and integrating them into their enameling designs. Prerequisites: ART 1001, ART 1002, ART 1003, ART 2009 and portfolio review, or permission of the instructor. Studio six hours.

ART 3112. Art Exhibitions in Contemporary Culture (3).F.

This seminar surveys current practices of exhibiting art in a variety of contexts and cultural institutions including museums, galleries, online and other exhibition sites. Students conduct research on contemporary exhibition practices and take field trips to explore current exhibitions and museum installations. Prerequisite: sophomore standing. Lecture three hours.

ART 3140. Professional Practice: Studio Art (3).On Demand.

This course will provide students with the opportunity, support and direction to begin their professional lives. It focuses on considering the options available with an undergraduate degree in art, and on acquiring the practical skills and knowledge vital for a professional life in a creative field. Students will learn about the pragmatics of a creative career, and understand what steps to take toward that career. Appropriate for students in all Art Department degree tracks. Prerequisite: junior or senior standing or permission of the instructor. Lecture and studio four hours.

ART 3200. Painting III (3).F;S.

An experimental and conceptual approach to painting. Encourages the exploration of conventional and unconventional media and the development of visual sensibility. Includes the study of contemporary issues and the cultivation of individual direction. Prerequisites: ART 1001, ART 1002, ART 1003, ART 2103, ART 3100 and portfolio review, or permission of the instructor. Studio six hours.

ART 3201. Sculpture II: Contemporary Issues (3).S.

Intermediate focus on traditional and/or experimental sculptural processes, media or techniques. Topics to be considered may include installation art, digital art, performance art or site specific sculpture as well as in-depth study of traditional media. Course content will vary from semester to semester. Prerequisites: ART 1001, ART 1002, ART 1003, ART 2101, ART 2201 and portfolio review, or permission of the instructor. Studio six hours.

ART 3202. Interaction Design I (3).F;S.

An intermediate graphic design course involving complex interactive projects for the web and other technologies using standards-compliant HTML and CSS. Students will have the opportunity to learn the application of semantic code markup in order to gain an understanding of the separation of content and form in dynamic media. Alternate forms of scripting for the web, animation and motion graphics, and interaction with databases will also be introduced. Prerequisites: ART 2026, ART 2103, ART 2104, and ART 3102. Studio six hours.

ART 3208. Fibers: Surface Design (3).S.

An exploration of fabric surface design materials and processes, such as dye applications, screen-printing and repeat patterning. Emphasis is on critical thinking and development of technical skills with application to individual works of art and design. Prerequisites: Prerequisite: ART 1001, ART 1002, ART 1003, ART 2008 or ART 2601, and portfolio review, or permission of the instructor.

ART 3226. Photographic Design II (3).F;S.

An intermediate course in fine art photography. The course explores more advanced techniques and processes as well as aesthetic, technical and conceptual problem-solving, critical analysis of image-making and historical and theoretical issues in the field. A camera is required per the instructor's directions. Prerequisites: ART 1001, ART 1002, ART 1003, ART 2026 and portfolio review or permission of the instructor. Studio six hours.

ART 3227. Special Topics in Photography (3).F.

In this course, students will examine a specialty area in photography through discussion, research, writing, presentations and/or creative studio work. Content may vary. Barring duplication of content, a student may repeat the course for a total credit of nine semester hours. A camera is required per the instructor's directions. Prerequisites: ART 1001, ART 1002, ART 1003, ART 2026 and portfolio review or permission of the instructor. Studio six hours.

ART 3302. Idea Lab (3).F;S.

The course will function as a creative laboratory, providing students the opportunity to be immersed in and mindful of the design process. Course topics include innovation methodologies, design processes, visualization, prototyping and testing. Through exercises, readings, research and studio projects, students will develop lifelong skills to foster the good ideas that lead to meaningful creative work. Students who do not pass Candidacy Portfolio Review before starting this course will be required to drop the course. Prerequisite: Graphic Design Candidacy Portfolio Review. Studio six hours.

ART 3308. Fibers: Structure (3).F.

An exploration of various three-dimensional fibers techniques, such as off-loom structural processes, paper forms and found materials. Emphasis is on critical thinking and development of technical skills with application to individual works of art and design. Prerequisites: ART 1001, ART 1002, ART 1003, and portfolio review, or permission of the instructor. Studio six hours.

ART 3312. Motion Graphics (3).On Demand.

This is an intensive course in time-based media for artists and designers. Students will create broadcast quality animation and compositing projects for television, web and other technologies. Students will use type and images to learn a variety of production techniques in digital audio, digital video, animation and other special effects. Post-production presentation techniques targeting the broadcast and theatrical industry, the web and other technologies will be covered. Prerequisite: ART 2104 or permission of the instructor. Studio six hours.

ART 3322. Sign, Symbol, Image (3).On Demand.

An introductory study of signs, symbols and images in the context of graphic communication. The course includes theoretical and practical considerations of the relationship between visual form and cultural meaning. Course projects address visual perception and interpretation, abstraction and stylization, symbol typologies, gestalt of design, semantics and typography, and the application of semiotics and rhetorical tropes to visual communication. Course objectives are to enhance students' analytical skills and situate graphic design practice in a larger socio-cultural context. Prerequisites: ART 2104 and ART 3102. Studio six hours.

ART 3332. Design Methods (3).On Demand.

This course includes a survey of research methods that enhance creative conceptualization abilities and provide research-based evidence that supports design decisions. Students examine case studies; analyze secondary research; experience various contextual research methods; and conduct and apply primary research that uses a variety of design methods (interview, observational and participatory). Prerequisites: ART 2104, ART 3102 and ART 3302. Lecture and studio four hours.

ART 3400. Women Artists (3). On Demand.

GEN ED: Junior Writing in the Discipline (WID)

This course will provide a historical and contemporary survey of women visual artists. Lecture three hours. Prerequisite: RC 2001 or its equivalent.

ART 3410. Book Arts (3).S.

This course investigates the potential of combining text and image using digital and photo-printmaking techniques to create artists' books with content. There is a secondary focus on mastering binding structures. Prerequisites: ART 1001, ART 1002, ART 1003, and portfolio review or permission of the instructor. Studio six hours.

ART 3420. Art Education: Field Experiences (3).F;S.

Students will devise curricula and teach various populations in the public schools and other community settings. Prerequisite: ART 2420 or permission of the instructor. May be repeated for a total credit of nine semester hours. Lecture two hours per week, laboratory two hours per week, plus observations and teaching experiences outside of class time are required.

ART 3425. Printmaking Studio (3).F;S.

This course involves an in-depth exploration of printmaking practices with a specific thematic and/or technical focus. Various techniques in printmaking will be covered and may include or combine: intaglio, lithography, monotype, photo and digital processes. Themes may include topics such as sustainable printmaking, the political print and print-installation. This course will examine the development of printmaking throughout history and across cultures. Students will explore a variety of contemporary aesthetic approaches in printmaking. Barring duplication of content, a student may repeat the course for a total credit of 12 semester hours. Prerequisites: ART 1001, ART 1002, ART 1003 and portfolio review or permission of instructor. Studio six hours.

ART 3500. Independent Study (1-4).F;S.

Majors in art may broaden and intensify their program through individual research and involvement in a given area of art. Prerequisite: permission of the departmental chair.

ART 3520. Instructional Assistance (1).F;S.

A supervised experience in the instructional process on the university level through direct participation in a classroom situation. Graded on an S/U basis. Prerequisite: junior or senior standing. May be repeated for a total credit of three semester hours. Approved contract required.

ART 3521. Technical Assistant (1). F;S.

A supervised experience in which students will provide technical laboratory assistance in media-based studios and computer-related facilities. Graded on an S/U basis. May be repeated for a total credit of three semester hours. Prerequisites: junior or senior standing and permission of the instructor.

ART 3522. Research Assistant (1-3). F;S.

A supervised experience in which the student collaborates on a faculty member's project under the direction of the faculty member. A student may also undertake her/his own research if it is relevant to that of the faculty member. Graded on an S/U basis. May be repeated for a total credit of six semester hours. Prerequisites: declared art major with junior or senior standing and permission of the instructor.

ART 3530–3549. Selected Topics (1–4). On Demand.**ART 3600. History of Modern Art** (3).F. Alternate years.

GEN ED: Junior Writing in the Discipline (WID)

A survey of leading movements in modern art from the 1870's to 1945. Lecture three hours. Prerequisites: ART 2130 or consent of the instructor and RC 2001 or its equivalent.

ART 3602. Special Topics in Graphic Design (3). On Demand.

Students examine in detail a speciality area in graphic communication, through discussion, research and creative studio work. Examples of topics might include: illustration, exhibition design, packaging design, and publication design. Content to vary; may be repeated for credit when content does not duplicate. Prerequisite: Graphic Design Candidacy Portfolio Review. Studio six hours.

ART 3610. Asian Art (3).On Demand.

The art forms of three Asian cultures - India, China, and Japan are explored. Particular attention is devoted to painting, sculpture, and architecture as well as the unique forms of each culture. Prerequisite: ART 2030 or ART 2130 or permission of the instructor. Lecture three hours.

ART 3630. African Art (3).S. Odd-numbered years.

GEN ED: Junior Writing in the Discipline (WID)

This course explores major themes in the study of the visual arts in Africa. Works of art from the ancient rock paintings of the Sahara, through the ancient artistic traditions of Ife and Benin, to the arts of the colonial and post colonial periods are presented. Diverse forms of art works are studied in their social, religious, and political contexts. Prerequisites: sophomore standing or consent of the instructor and RC 2001 or its equivalent. Lecture three hours.

ART 3650. Art of Late Antiquity (3). On Demand.

GEN ED: Junior Writing in the Discipline (WID)

A course in the Late Antique art, covering early Christian, Byzantine and early Islamic art. Focus on the social context of ancient art production and reception. Prerequisites: ART 2030 or consent of the instructor and RC 2001 or its equivalent. Lecture three hours.

ART 3700. Oceanic Art (3).F. Alternate years.

GEN ED: Junior Writing in the Discipline (WID)

This course examines the visual arts of the Pacific Islands, Australia, New Zealand, and New Guinea, including tattooing and other body adornment practices, architecture, sculpture, and textiles. The course explores the ways oceanic arts since the 18th century embody resistance and survival through the continuity of traditional art forms as well as work in more contemporary media and styles. Lecture three hours. Prerequisites: sophomore standing or consent of the instructor and RC 2001 or its equivalent.

ART 3705. Contemporary Art of Africa (3).On Demand.

GEN ED: Junior Writing in the Discipline (WID)

This course examines themes in the study of the recent visual arts of Africa and the Caribbean during the colonial and post-colonial period. This course explores the ways that artistic production reflects its local background and circumstances as it enters into a dialog with a global art scene. The course will examine art as a sensitive barometer of social, cultural, religious, and political changes in modern Africa and the Caribbean. Prerequisite: RC 2001 or its equivalent. Lecture three hours.

ART 3710. Ancient Egyptian Art (3).On Demand.

GEN ED: Junior Writing in the Discipline (WID)

A course in the history of Egyptian art, from archaic through early Christian periods. Focus is on the social context of ancient art production and reception. The course includes critical reading, writing, and discussion. Prerequisites: ART 2030 or permission of the instructor and RC 2001 or its equivalent. Lecture three hours.

ART 3730. Native Arts of the Americas (3).On Demand.

GEN ED: Junior Writing in the Discipline (WID)

This course explores the native arts and architecture of North America, Central America and South America. Diverse forms of artworks are studied in their social, religious, and political contexts. The focus of the course may be in any of the three major cultural regions, from prehistory to the present. Prerequisites: sophomore standing or permission of the instructor and RC 2001 or its equivalent. Lecture three hours.

ART 3750. History of Roman Art (3). On Demand.

GEN ED: Junior Writing in the Discipline (WID)

A course in the history of Roman art, from archaic through early Christian periods. Focus on the social context of ancient art production and reception. Prerequisites: ART 2030 or consent of the instructor and RC 2001 or its equivalent. Lecture three hours.

ART 3760. History of American Craft (3).On Demand.

This course will consider the development of American studio craft from a historical perspective and continuing to the present day, considering craft objects as discreet entities and in relation to other creative output. Lecture three hours.

ART 3800. Art Since 1945 (3).S. Alternate years.

GEN ED: Junior Writing in the Discipline (WID)

A survey of leading movements in contemporary art from 1945 to the present. Lecture three hours. Prerequisites: ART 2130 or consent of the instructor and RC 2001 or its equivalent.

ART 3810. Photography and Culture (3).On Demand.

GEN ED: Junior Writing in the Discipline (WID)

This course invites students to develop a critical understanding of the relationship between photography and culture. Readings, lectures, presentations and discussions on historical and contemporary photographers will be incorporated into the coursework. Prerequisites: ART 2130 or permission of the instructor and RC 2001 or its equivalent. Lecture three hours.

ART 3820. History of Museums and Collecting (3).On Demand.

GEN ED: Junior Writing in the Discipline (WID)

A seminar in the history of museums and collecting, focusing on the 19th century through today. Major emphasis is placed on critical reading, writing, and discussion. Prerequisites: ART 2130 or permission of the instructor and RC 2001 or its equivalent. Lecture three hours.

ART 3900. Internship (1-6). F;S.

Supervised placement in a setting which provides an opportunity for students to observe and practice various art and design related skills. Supervision and evaluation by the site supervisor and the faculty member. Graded on an S/U basis.

ART 3969. Art Education and the Exceptional Learner (3).S.

This course prepares the art educator to meet the needs of students with identified disabilities (K-12). The role of the art teacher in inclusive classrooms (those that include students with and without disabilities) as well as in self-contained classrooms (those containing only students with identified disabilities) will be addressed. Teacher candidates observe, analyze and evaluate a variety of K-12 art experiences involving children with exceptionalities. The course teaches the modification of art tools and the development of teaching strategies to allow all students to make art. Students will participate with the SPE 4205 (Inclusion) course and will also have a practicum experience. Prerequisite: portfolio review.

ART 4012. Exhibitions Practicum (3).S.

This practicum course introduces students to the fundamental principles and practical responsibilities of managing and maintaining art exhibitions. Students gain experience planning, promoting, designing, and installing exhibitions and events in the Catherine J. Smith Gallery. Prerequisite: sophomore standing. Lecture and practicum four hours.

ART 4013. Business of Art (3). On Demand.

An introduction to the theoretical and practical issues encountered by artisans on a day-to-day basis. The artisans will delve into various business topics such as taxes, insurance, bookkeeping, commission agreements, copyright laws, and other applications

necessary for establishment of good business practices. Prerequisites: 6 s.h. above the 2000 level in any ONE studio area (excluding graphic design) or 6 s.h. above the 3000 level in art history.

ART 4030. Seminar in Art Criticism and Theory (3).F;S.

GEN ED: Capstone Experience

A seminar in the theory and criticism of art in which leading methods of analysis are examined through readings and discussion. Major emphasis is placed upon the student developing a critical sense of art. Prerequisites: ART 2030 and ART 2130, or consent of the instructor. Lecture three hours.

ART 4040. Seminar in Art History (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

This advanced seminar in art history will focus on in-depth inquiry into a particular period, theme, place or genre in art history. Content will vary from semester to semester. May be repeated barring duplication of content for a total credit of 12 semester hours. Prerequisites: ART 2030, ART 2130 and RC 2001 or its equivalent. Lecture three hours.

ART 4102. Typography III (3).F;S.

Third course in the typography sequence stressing the dynamic relationships among content, form and context to gain a deeper understanding of systems at many levels. Other topics may include: packaging, expressive, environmental, dynamic, and interactive typography. Prerequisites: ART 2026, ART 2103, ART 3102, and ART 3302. Studio six hours.

ART 4109. Metalsmithing and Jewelry Design IV: Advanced Fabrication, Casting and Hollowware (3).F;S.

Study of advanced techniques and processes appropriate to developing an individual aesthetic in the area of metalsmithing and jewelry design. Students will complete a technical research project. Prerequisite: ART 3109. Studio six hours.

ART 4192. Graphic Design Senior Seminar (3).F;S.

This course prepares students for their final senior design project in ART 4202, Graphic Design Senior Studio (*GEN ED: Capstone Experience*). These two courses, taken in sequence, provide an opportunity for advanced students to demonstrate a mature understanding of design practice. Through readings, literature review, and research assignments, the graphic design senior seminar examines contemporary issues in design, the expanding practice of design and addresses the relevance of pre-design stages to the design process as a whole. Students conduct research and locate their interests within the design discipline before producing proposals for their capstone project. Prerequisites: ART 3202 and ART 4102. Lecture and studio four hours.

ART 4202. Graphic Design Senior Studio (3).F;S.

GEN ED: Capstone Experience

The culminating course in the graphic design program, this course addresses self-reliance and the application of research and creative inquiry to the realization of projects proposed in ART 4192 (Graphic Design Senior Seminar). Students will produce a portfolio of work that demonstrates analytical, conceptual, visual and technical maturity. Passing a portfolio review is a requirement of this course. Prerequisites: ART 3050, ART 3202, ART 4102, and ART 4192. Studio six hours.

ART 4300. Special Topics in Advanced Painting and Drawing (3).F;S.

This is an advanced painting and drawing studio course designed to develop personal vision and critical thinking. Emphasis is on the evolution of formal practice and self-evaluation. Barring duplication of content, a student may repeat the course for a total credit of nine semester hours. Prerequisites: ART 2100, ART 3100, and ART 3200 or ART 3103. Studio six hours.

ART 4301. Special Topics in Advanced Sculpture (3).F;S.

An advanced development of sculptural expression. The students will be expected to develop a personal approach to sculptural content and style as well as develop standards of critical judgment in the analysis of their own work. Barring duplication of content, a student may repeat the course for a total credit of nine semester hours. Prerequisite: ART 3201. Studio six hours.

ART 4302. Interaction Design II (3).On Demand.

This is an advanced graphic design course involving complex interactive projects for the web and other technologies using dynamic and media-rich interactive media. Projects may include animation, typography in motion, data visualization, interactive exhibits and narratives, and other time-based experiences. Prerequisites: ART 3102 and ART 3202 or permission of the instructor. Studio six hours.

ART 4307. Special Topics in Advanced Clay (3).F;S.

An advanced self-directed study with in-depth individual research, exploration and production with regard to materials, processes and concepts. Emphasis is on critical thinking. Students are expected to create a body of work that demonstrates their level of knowledge, skills and abilities acquired in studies to date. Barring duplication of content, a student may repeat the course for a total credit of nine semester hours. Prerequisites: two of the following Clay I courses: ART 2007, ART 2040, ART 2107; and one of the

following Clay II courses: ART 3007, ART 3040, ART 3107. Studio six hours.

ART 4308. Special Topics in Advanced Fibers Studio (3).F;S.

A self-directed studio production course in fibers with additional research, presentations, and critiques with fibers faculty and other advanced students. The majority of goals and projects will be proposed by the students with the instructor's approval. Barring duplication of content, a student may repeat the course for a total credit of nine semester hours. Prerequisites: three of the following fibers courses: ART 2008, ART 2602, ART 3017, ART 3208, ART 3308. Studio six hours.

ART 4309. Special Topics in Advanced Metalsmithing and Jewelry Design (3).F;S.

A self-directed advanced course of study in which the student will develop a contract with the instructor that includes project descriptions, selected readings and deadlines. Critiques will take place in both group and individual settings. Barring duplication of content, a student may repeat the course for a total credit of nine semester hours. Prerequisites: two of the following courses: ART 3009, ART 3109, ART 3110, ART 3111. Studio six hours.

ART 4312. Graphic Design Professional Practice (3).On Demand.

Aimed at senior graphic design majors, ART 4312 (Graphic Design Professional Practice) is intended to help students transition from student to design professional. The course addresses professional practices in the context of various design disciplines as well as current issues in the field. Students will create self-promotional packages, undertake research and writing that reflects their preparedness for the job search; develop and refine their portfolios; and, if possible, visit a design studio or printing facility. Prerequisites: ART 3102 and ART 3202. Lecture and studio four hours.

ART 4325. Special Topics in Advanced Printmaking (3).F;S.

This course continues the investigation of techniques and directions introduced in beginning level printmaking courses. Students are expected to refine technical competency through the development of a cohesive body of work that articulates an inventive and conceptual use of the printed image and a clear personal vision. Emphasis will be given to examining advanced processes and contemporary issues in printmaking. Barring duplication of content, a student may repeat the course for a total credit of nine semester hours. Prerequisites: ART 2025, ART 2125. Studio six hours.

ART 4326. Advanced Photographic Design (3).S.

An advanced course in fine art photography. This course is designed to allow students to work at an advanced level in photography, to enhance the aesthetic, intellectual and visual evolution of personal work and to hone critical skills and awareness of historical and theoretical issues in the field. A camera is required per the instructor's directions. Prerequisite: ART 3226 or permission of the instructor. Studio six hours.

ART 4351. Studio Seminar III (3).F;S.

Studio Seminar III prepares students for creating a coherent body of work in ART 4852 (Senior Studio). These two courses, taken in sequence, provide an opportunity for advanced students to demonstrate an emerging intellectual, visual and technical maturity in respect to their own work. Studio Seminar III includes planning and writing an exhibition proposal; reading relevant art criticism and theory; writing a research paper and documenting the progress of one's work through sketches, models, studio projects, and oral presentations. This course is an opportunity for students to articulate meaningful ideas and integrate them with studio practice. Prerequisites: ART 3015 and completion of a minimum of 27 semester hours of studio electives. Prerequisite or co-requisite: at least one of the following courses: ART 4300, ART 4301, ART 4307, ART 4308, ART 4309, ART 4325, ART 4326. Lecture and Studio four hours.

ART 4420. Art Education Special Topics (3). On Demand.

This course explores a particular current issue in art education each semester. May be repeated with different topics for a total credit of nine semester hours. Prerequisite: ART 2420. Lecture two hours, laboratory/studio two hours.

ART 4510. Senior Honors Thesis (3).F;S.

Independent research and/or creative project. Honors thesis directed by a member of the Art Department and evaluated by a departmental committee. Prerequisite: completion of six semester hours of Art honors coursework.

ART 4515. Junior/Senior Honors Seminar (3).F;S.

An intensive study of a selected topic in studio art, graphic design, art history, art management, art education, or inter-disciplinary art. Course content will be determined by the instructor. Course may be repeated barring duplication of content. Prerequisite: enrollment is by invitation or by permission of the instructor and the departmental honors director.

ART 4551. Studio Workshop (1-3) On Demand.

An intensive course to be offered in selected media such as drawing, printmaking, painting, photography, sculpture, clay, fibers,

alloys, computer graphics, and others. Prerequisite: portfolio review or permission of the instructor.

ART 4852. Senior Studio (3).F;S.

GEN ED: Capstone Experience

Senior Studio is the capstone studio experience for BFA Studio Art majors. This course carries on and brings to resolution the conceptual, technical and studio practices begun in Studio Seminar III. Students will demonstrate an emerging intellectual, visual and technical maturity by producing a body of work for exhibition. Students will also write process statements and deliver a series of oral presentations critically analyzing their works in progress. This course addresses issues relevant to becoming a professional artist. A committee of three faculty members will evaluate each student's work. Prerequisite: ART 4351. Studio six hours.

ART 4900. Internship: Field Experience (6-12).SS.

GEN ED: Capstone Experience

An on-the-job experience with artists, museums, galleries, and business related to the promotion of art professions. Graded on an S/U basis.

GRAPHIC ARTS AND IMAGING TECHNOLOGY (GRA)

GRA 1012. Introduction to Graphic Communications (3).F;S.

This course is a study of contemporary production practices of the graphic communications industry, examining the basics of digital imaging, page layout assembly, and workflow technologies such as computer-to-plate, print media, and finishing. The application of project based assignments and the study of materials, equipment, health and safety, concepts of text/image input, conversion, and output that are practiced in the graphic communications industry are included as topics. Lecture two hours, laboratory two hours.

GRA 1022. Electronic Document Design I (3).F;S.

This course is an introduction to digital production workflow applications relevant to the graphic communications industry. Specific topics may include production hardware, page layout and imposition, illustration and image processing software, input and output devices, digital file storage and asset management, and proofing technologies. Lecture two hours, laboratory two hours.

GRA 1520. Foundations of Packaging Production (3).S.

This course is an introduction to packaging production covering materials, processes, and technology used in package development. Specific topics may include package structure layout and design, materials and manufacturing, printing processes, and converting/finishing processes for packaging. Emphasis will be placed on understanding the complete production process from design to finished package. Lecture two hours, laboratory two hours.

GRA 2012. Introduction to Printing and Finishing (3).F;S.

This course is a continuation of GRA 1012, Introduction to Graphic Communications. Emphasis will be placed on theory and problem solving as well as broadening skills in the areas of print media, finishing technologies and production management. Further experiential learning of materials, equipment, production workflow techniques, concepts of text/image input and output devices, finishing processes, and quality control as practiced in the graphic communications industry are included in the design of this study. Lecture two hours, laboratory two hours. Prerequisites: GRA 1012 and GRA 1022.

GRA 2222. Introduction to Packaging Production (3).S.

This course is an introduction to the principles and practices of the flexographic printing and packaging industries. Students will become familiar with the basic flexographic workflow process involving the application of specific conventions acceptable to the flexographic industry. Emphasis is placed on the packaging workflow process; including prepress (design concepts and layouts, development of design files, preflighting, making and mounting plates), press setup, print production, and package conversion. Lecture two hours, laboratory two hours. Prerequisite: GRA 2012.

GRA 2522. Electronic Document Design II (3).F;S.

This course is a continuation of GRA 1022 as a study of page layout software technology specific to the graphic communications industry. Project-based assignments using Adobe Creative Cloud tools to address workflow requirements are examined through the production of electronic documents such as booklets, brochures, posters and newsletters. Other topics include image editing for page layouts, digital imposition, color models and modes, desktop color separation preparation, color profile management, masking, image tonal analysis, file preparation and conversions. Lecture two hours, laboratory two hours. Prerequisite: GRA 1022.

GRA 3102. Cross Media Production (3).F;S.

This course is a study of new technologies applicable in the production of digital content for print production or access from the World Wide Web. The study of Adobe Creative Cloud products in the application of project based assignments, including the study of materials, equipment, health and safety, concepts of text/image input, conversion and output devices that are practiced in the

graphic communications industry. Lecture two hours, laboratory two hours. Prerequisite: GRA 2522.

GRA 3112. Substrates, Inks, and Toner (3).F.

This course is designed to introduce students to substrates and inks used in printing and packaging production. Topics will include introduction to features and characteristics, manufacturing processes, printing and packaging production performance and quality control and color management solutions for substrates and inks used for producing printing and packaging products. Lecture two hours, laboratory two hours. Prerequisite: GRA 2012.

GRA 3312. 3D Imaging and Animation (3).F.

This course provides an introduction to 3D digital imaging for specific applications. Industry standard computer software will be used to explore fundamentals of modeling and texturing. Lecture two hours, laboratory two hours.

GRA 3500. Independent Study (1-4).F;S.

Approved Contract is required.

GRA 3512. Web Development for Graphic Communications (3).F.

This course provides students with the opportunity to develop basic web sites, manipulate images for web delivery. Additionally, students will create intermediate and advanced web sites that utilize complex interactivity. Lecture two hours, laboratory two hours.

GRA 3518. Sustainability for Print Production (3).F.

This course investigates print manufacturing practices, and the steps required to 1) implement manufacturing standards that address environmental, health and safety certification; 2) development and implementation of sustainable management systems (SMS); 3) best practices management within the printing industry, and 4) all the foregoing within the 3P model of planet, people and profit. Lecture two hours, laboratory two hours. Prerequisite: GRA 2012.

GRA 3530-3549. Selected Topics (1-4).On Demand.

Courses in Graphic Arts that vary in content at the discretion of the instructor.

GRA 3622. Graphic Communications Seminar (1).F;S.

GEN ED: Junior Writing in the Discipline (WID)

This course involves the development of the mechanics of being a professional in the graphic arts industry. Specific topics include resumes, cover letters, interviewing, presentation techniques and report writing. Prerequisites: RC 2001 or its equivalent and junior standing.

GRA 3772. Job Estimating and Planning (3).S.

The study of systems and techniques used for identification of printing production standards, cost estimating, production scheduling, production planning, material flow, teamwork, problem-solving techniques, and management's role in creating quality environments. Lecture two hours, laboratory two hours. Prerequisite: GRA 2012.

GRA 3882. Intermediate Packaging Production (3).F.

This course presents intermediate-level concepts of flexographic technologies and technical processes applicable to the flexographic industry. Students enrolled in this course will learn design techniques specific to flexography, printing calculations, job assembly, proofing, print evaluation, and multiple spot color techniques. This will be achieved through project-based assignments that allow students to select anilox roll, substrates, inks, dies, and other printing materials. Lecture two hours, laboratory two hours. Prerequisite: GRA 2222.

GRA 3900. Graphic Communications Internship I (3-6).On Demand.

Field experience with commercial print, in-plant or digital media companies producing products from processes such as animation, digital printing, cross media publishing, prepress, flexography, gravure, offset lithography, screen printing, packaging, web page development, or finishing and fulfillment is integral to career preparation for the graphic communications industry. Prerequisite: 16 hours of coursework in the major must be completed. Graded on an S/U basis.

GRA 4112. Technical Assistant (1).F;S.

A supervised, meaningful, planned and evaluated laboratory assistant experience. Students enrolled in this course will act as instructional aides within various graphic arts and imaging technology courses. Prerequisite: junior or senior standing.

GRA 4512. Advanced Cross Media Production (3).S.

This course is an advanced treatment of studies begun in the GRA 3102 course, and incorporates new technologies applicable in the production of digital content for print production, the World Wide Web, mobile device platforms and other applicable new forms of graphic communication. Students will learn and be required to demonstrate ability to apply electronic document designs across a

variety of graphic communication platforms. Lecture two hours, laboratory two hours. Prerequisite: GRA 3102 (ND Prerequisite: passing the math placement test or successful completion of MAT 0010) [Dual-listed with GRA 5512.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

GRA 4522. Advanced 3D Imaging and Animation (3).S.

This course focuses on using advanced texturing techniques, complex shading networks, inverse kinematics and forward kinematics to develop realistic 3D images and animation. Lecture two hours, laboratory two hours. Prerequisite: GRA 3312. [Dual-listed with GRA 5522.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

GRA 4524. Advanced Web Development for Graphic Communications (3).S.

This course is a continuation of GRA 3512, Web Development for Graphic Communications. Emphasis will be placed on creating multimedia Web pages, interactive Web forms, and mobile Web sites. This course will also integrate several different programs allowing students to create effective and attractive websites. By the end of this course, students should be able to design advanced web sites that utilize complex interactivity. Lecture two hours, laboratory two hours. Prerequisite: GRA 3512.

GRA 4558. Digital Printing Systems (3).F;S.

This course allows students the opportunity to explore digital printing applications such as short-run color and variable data printing. Students will study digital workflows, file preparation, data management, preflighting, digital front-end systems, press operation and routine maintenance. Lecture two hours, laboratory two hours. Prerequisites: GRA 1022 and GRA 2522. [Dual-listed with GRA 5558.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

GRA 4566. Advanced Packaging Production (3).S.

This course addresses advanced concepts and practices pertaining to the flexographic printing process. To include: advanced techniques such as multi-color spot and process color printing, quality control, corrugated board, image distortion, die calculations, and coatings. Lecture two hours, laboratory two hours. Prerequisites: GRA 3112 and GRA 3882. [Dual-listed with GRA 5566.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

GRA 4591. Advanced Printing and Finishing (3).F;S.

This course is designed to build on the basics covered in: Introduction to Graphic Communications, Introduction to Printing and Finishing, Introduction to Flexographic Printing and Packaging, and Electronic Imaging. Students will gain experience in advanced techniques in electronic prepress, halftones, duotones, process color, process stripping, process press work, and process control. Lecture two hours, laboratory two hours. Prerequisites: GRA 2012, GRA 3102, GRA 3112, and GRA 3772 or permission of the instructor. May be repeated for a total credit of six semester hours. [Dual-listed with GRA 5591.] Dual-listed courses require senior standing.

GRA 4592. Specialty Graphics Printing (3).On Demand.

Advanced laboratory practice in screen printing, wide format printing on multiple substrates that include foam core, vinyl, plastic and adhesives. Lecture one hour, laboratory four hours. [Dual-listed with GRA 5592]. Dual-listed courses require senior standing; juniors may enroll with permission of the coordinator.

GRA 4622. Current Trends in Graphic Communications Seminar (1).F;S.

This course is designed to emphasize current trends, technical movements and problems as they relate to the future of the printing industry. Classes will focus on group discussions related to these and other current issues. Students will be required to refer to academic experiences, internship experiences and library skills to participate in discussions. Prerequisite: senior standing. Laboratory two hours. [Dual-listed with GRA 5622.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

GRA 4722. Package Prototyping Studio (3).S.

This is an advanced portfolio development studio course with emphasis on design projects in packaging and delivering professional oral presentations. Students will build on skills learned in previous courses to design complete packaging projects based on research, creativity, structural design, and prototyping. Lecture two hours, laboratory two hours. Prerequisite: GRA 4566.

GRA 4900. Graphic Communications Internship II (1-6).On Demand.

GEN ED: Capstone Experience

A continuation of industry field experience with print or digital graphics media companies such as commercial printing, animation, prepress, flexography, gravure, offset lithography, screen printing, packaging, or finishing and fulfillment. Prerequisite: 30 hours of coursework in the major must be completed. Graded on an S/U basis. (Hours requirement for one credit hour is 160 hours, with 80 hours required for each additional.) May be repeated for credit when content does not duplicate. This course satisfies the senior capstone requirement for the BS in Graphic Arts and Imaging Technology majors.

COMMERCIAL PHOTOGRAPHY (PHO)

PHO 1022. Photographic Imaging I (3).F;S.

An introductory course in digital photography which will cover technical information about cameras, lenses, printing, cataloging processes, image editing and workflow practices. Students will also learn the foundations of composition for various genres of photography. Students will need access to a DSLR camera. A limited number are available for loan through the program. Studio five hours. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

PHO 2022. Photographic Imaging II (3).F;S.

A continuation of PHO 1022 (Photographic Imaging I) that covers advanced photographic processes and practices and will investigate control systems for exposure and development, the zone system, lighting, film processing, digital imaging processes and printing. Students will improve on their composition and photographic production values. Students will need access to a DSLR camera. A limited number are available for loan through the program. Studio five hours. Prerequisite: PHO 1022 or permission of the instructor. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

PHO 2032. History of Photography (3).F;S.*GEN ED: Liberal Studies Experience*

This course examines photography in a historical context from the beginning of the 19th Century to present. This comprehensive study of the technical and creative evolution of photography will feature historically significant photographers, their styles and corresponding historical events. Emphasis shall be placed on the evolution of photography in relation to developments in science, technology, society, the arts and politics. Lecture three hours.

PHO 2052. Form and Media in Photography (3).F;S.

Form and Media in Photography is designed to improve the visual literacy and compositional awareness of students intending to be Commercial Photography majors or minors. The course will focus on current trends in commercial imaging and usage in a variety of media. Students may explore photographic design and aesthetic elements in catalogs, editorial magazines, corporate media, web sites, packaging, and retail venues, and other appropriate media outlets. The use of emerging media and video as it relates to photography in these areas may also be studied. Prerequisite or corequisite: PHO 2022.

PHO 2062. Issues in Contemporary Photography (3).On Demand.

This course will provide students with an understanding of the theoretical, critical, and professional concepts in contemporary photography. Topics may include but are not limited to, how the roles of philosophy, art history, science, technology, literature, psychology, marketing, consumer trends and consumption are relevant to photography and the various genres within the field. Students will broaden their understanding of these issues through readings, lectures, discussions, assignments, critiques, and presentations by professionals within the field. Prerequisite: PHO 2022.

PHO 3001. Shot of the Day (1).F.

This course requires the student to produce one photograph each and every day of the semester with weekly critiques to evaluate cohesiveness, production value, compositional strength, and technical control. Prerequisites: junior standing and PHO 2022. Open only to Commercial Photography majors or minors.

PHO 3002. Junior Photographic Portfolio (1).S.

This course requires the student to develop two small portfolios throughout the term, each along a single theme. Weekly critiques and discussions will evaluate student progress and provide guidance for improvement. Prerequisites: junior standing and PHO 2022. Open only to Commercial Photography majors or minors.

PHO 3012. Advanced Digital Photography (3).F;S.

This course covers advanced digital photographic processes which may include: control systems for exposure, capture, editing, color profiling, calibration, and image presentation. Students will gain advanced digital image editing skills and workflow methodology. Lecture two hours, laboratory two hours. Prerequisite: PHO 2022 or permission of the instructor.

PHO 3032. View Camera (3).F.

This course will introduce the student to making photographs with the view camera. This is a major tool of the professional photographer and the following information will be covered: the view camera and its basic parts, basic view camera operations, advanced view camera controls, and materials, processes, and accessories associated with the view camera. A primary concern in this course will be visual advantages of the view camera. The goal will be a portfolio which demonstrates technical and visual awareness. Studio five hours. Prerequisites: PHO 2022.

PHO 3042. Studio Photography (3).F;S.

An introductory course to studio photography that covers studio lighting for industrial/product and portrait photography. Studio five hours. Prerequisite: PHO 2022 or permission of the instructor. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

PHO 3052. Video Production for Photographers (3).F;S.

This course will utilize the audio and video capabilities of today's HD/SLR cameras and explore how photographers can create compelling and complex visual narratives for their clients in the commercial and corporate marketplace. Topics may include advanced technical techniques for the use of different audio microphones, best practices in recording audio for editing, how to light and shoot for motion, time lapse and animation of stills, conducting and shooting interviews, and basic non-linear editing techniques. Course assignments are to be completed to professional standards. Students will need access to a video capable DSLR camera. A limited number of cameras are available for loan through the program. Studio five hours. Prerequisite: PHO 3042 or permission of the instructor.

PHO 3072. Editorial Photography (3).F;S.

Editorial Photography is an advanced three credit hour course that emphasizes the tools and lighting techniques of the professional editorial and corporate/industrial photography marketplaces. Topics may include studio lighting, DSLR camera usage, and various location lighting techniques. Students will learn about business procedures and markets specific to editorial photography. Studio five hours. Prerequisite: PHO 3042 or permission of the instructor.

PHO 3092. Professional Photographic Practices (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

This course is designed to introduce the upper level photography major to best professional practices for the photography proprietor/entrepreneur. Topics may include intellectual property law, tax obligations and reporting requirements, employment law, insurance responsibility, and renters' rights and obligations under a lease. In addition, the course may cover software solutions to estimating and bidding jobs, tracking expenses, invoicing clients, and developing legal contracts. The course will also cover marketing, promoting and advertising options. By the end of the course, students will have developed a business plan, a financial statement, marketing materials, and have created a visual identity (logo/brand) to take into the marketplace. Prerequisite: RC 2001 or its equivalent. Prerequisite or Corequisite: PHO 3042.

PHO 3322. Documentary Photography (3).On Demand.

Documentary photography exposes students to the work of a number of great documentary photographers and photojournalists, as well as to writing about the documentary tradition. Students work throughout the term on a photo documentary project of their own, attempting to reduce a tiny area of the moving world to a set of still images that convey what the viewer needs to know about what they saw without hearing the sounds, smelling the odors, seeing the motion, or experiencing what was happening outside the viewfinder. Students also write papers about the subjects of their photo documentaries. Studio five hours.

PHO 3332. Field Experience in Commercial Photography (1-3).F;S.

This course allows Commercial Photography majors to earn credit for professional experiences outside of the classroom environment. These experiences include, but are not limited to, attending professional conferences, seminars, trade association fairs, field photographic experiences such as international program offerings and extended photographic field trips. This course may be repeated for credit barring duplication. Prerequisite: permission of the instructor.

PHO 3342. Methods and Materials of Commercial Photography (3).On Demand.

This course will offer the student information and hands-on experience in historical, contemporary, and emerging technologies related to the commercial photography industry. This course may be repeated for credit barring duplication. Studio five hours. Prerequisites: PHO 2022 or permission of the instructor.

PHO 3500. Independent Study (1-4).F;S.

Approved contract is required.

PHO 3520. Instructional Assistance (1).F;S.

A supervised experience in the instructional process on the university level through direct participation in a classroom situation. Graded on an S/U basis. Prerequisite: junior or senior standing. May be repeated for a total credit of three semester hours. Approved contract is required.

PHO 3530-3549. Selected Topics (1-4). On Demand.**PHO 3552. Photographic Studio Management (1).F;S.**

A supervised, meaningful and evaluated management course in Photographic Studio Management. Students enrolled in this course will learn the skills needed to manage a photography studio and to be an effective photographic assistant; including studio asset

management, photographic production management, and skills specific to being a photographic assistant. Lecture one hour, laboratory four hours. Prerequisite: PHO 3042 and junior or senior standing as a Commercial Photography major.

PHO 3553. Equipment Asset Management (1).F;S.

A supervised, meaningful and evaluated management course in photographic equipment asset management. Students enrolled in this course will learn the skills needed to manage a photographic equipment cage and to maintain photographic equipment; including asset management practices used in industry rental houses and expanding their familiarity with equipment to advise others on selection and usage. Lecture one hour, laboratory four hours. Prerequisite: permission of the instructor and junior or senior standing as a Commercial Photography major.

PHO 3554. Digital Lab Management (1).F;S.

A supervised, meaningful and evaluated laboratory management course in Digital Printing. Students enrolled in this course will learn the skills needed to run a print service; including asset management, production management, color profiling, printer maintenance, and how to work with clients. Lecture one hour, laboratory four hours. Prerequisite: junior or senior standing as a Commercial Photography major.

PHO 4402. Advanced Video Production for Photographers (3).On Demand.

Advanced Video Production for Photographers is an advanced three credit hour course that will build on course content from PHO 3052, Video Production for Photographers. The course will utilize the audio and video capabilities of today's HDSLRs and explore how photographers can utilize video and sound to create compelling and complex visual narratives for their clients in the commercial and corporate marketplace. The course will expand on skills covered in advanced technical data and techniques on the use of different audio microphones, best practices in recording audio for editing, how to light and shoot for motion, time lapse and animation of stills, conducting and shooting interviews, and basic non-linear editing techniques. The course assignments are to be completed to professional standards. Students will need access to a video capable DSLR camera; a limited number of cameras will be available through the program. Studio five hours. Prerequisite: PHO 3052.

PHO 4412. Fashion and Beauty Portraiture (3).F;S.

Students in this advanced course will review the history of fashion and beauty photography, explore current trends in the industry, and survey the many markets and applications for fashion and beauty imagery. Students will have the opportunity to work with models - both volunteer and professional - make-up artists, hair stylists, and wardrobe stylists in learning how to produce a professional fashion or beauty shoot. Each student will be encouraged to develop her or his own style through fashion editorial assignments, beauty advertising assignments, and testing with models, both in the studio and on location. Working digitally, students will also have the opportunity to learn how to use a wide range of lighting and camera controls specific to beauty photography in order to establish a color managed workflow to guarantee consistency of image production from capture through final delivery of images. Studio five hours. Prerequisite: PHO 3042 or permission of the instructor.

PHO 4422. Product Photography (3).F;S.

This advanced course will emphasize the tools and techniques of the professional photographer. Studio lighting, large format cameras, and color transparencies will be primarily used, and the student is expected to have working knowledge of these. Assignments will be expected to be completed to professional standards. Studio five hours. Prerequisites: PHO 3032 and PHO 3042.

PHO 4432. Commercial Photographic Production (3).F;S.

This studio class will acquaint the student with the fundamentals of commercial production in advertising and high end editorial photography. As photographers grow in their capabilities and experience, they will be expected to work as part of a creative team that can produce work of the highest quality. By shifting roles on each of three projects, students will become familiar with the functions of the Art Director, the Producer and the Commercial Photographer as they work in collaboration on complex creative projects. Studio five hours. Prerequisites: PHO 3072 and either PHO 4412 or PHO 4422.

PHO 4492. Photographic Portfolio (3).F;S.

GEN ED: Capstone Experience

This senior level course is designed for the major in Commercial Photography. The course will prepare the graduating senior to apply for employment in the field of professional photography or admission to graduate school. Topics covered will include letters of introduction, resumes, portfolio production and presentation, preparing exhibits, and web pages. Through the production of the final portfolio, students will demonstrate their technical skills, visual communication ability, knowledge of theory in design, and awareness of the global market. Lecture two hours, laboratory two hours. Prerequisite: senior standing. Open only to Commercial Photography majors.

PHO 4900. Internship (3-12).F;S.

Graded on an S/U basis.

Department of Communication (COM)

Jean L. DeHart, Interim Chair

Nina-Jo Moore, Assistant Chair

*Frank A. Aycock
Mark L. Bentley
Edward C. Brewer
Laura L. Brittain
Kelly Davis
Carolyn M. Edy
Paul H. Gates, Jr.
Roger S. Gonce
Jennifer B. Gray
Lynn D. Gregory*

*Lynette Holman
Ginger M. Loggins
Shanshan Lou
Stephen P. McCreery
Olga Zatepilina Monacell
Thomas S. Mueller
Sang-Hwa Oh
Christopher Patti
Newly Paul
Gregory Perreault
Susan S. Poorman*

*Janice T. Pope
Debbie Poulos
Heather P. Preston
William H. Purcell
R. David Spiceland, Jr.
Glenda J. Treadaway
Daniel C. Walsh
Anne C. Ward
Scott M. Welsh
Valerie Wisenkamp
Hongwei (Chris) Yang*

The objectives of the Department of Communication are to prepare those interested in entering specific communication professions such as electronic media/broadcasting, journalism, advertising, interpersonal/intercultural/health counseling, organizational consulting or training and public relations; to provide a broad background of information and develop skills needed by those students planning to enter other areas such as law, ministry, public service and graduate studies; and to provide the University and community the stimulation of debates and discussions of current issues, and the informative and entertaining programs of radio and television.

The Department of Communication offers courses in the areas of advertising, communication studies, electronic media/broadcasting, journalism, and public relations. The department also supports co-curricular programs including competitive intercollegiate forensics, the Appalachian radio station (WASU) and TV station (App TV), along with various community experiences in journalism, public relations and advertising. The department actively supports student organizations and national honorary societies that are related to communication such as the Forensics Union, Pi Kappa Delta, National Broadcasting Society, Alpha Epsilon Rho, Lambda Pi Eta Communication Honor Society, Appalachian Communicators Club, Advertising Club, the Public Relations Student Society of America and the Society of Professional Journalists. Communication majors are expected to participate in the co-curricular activities of the department.

Admission to the Department of Communication

The Department of Communication seeks to admit students who are dedicated to pursuing degrees in the varied fields of communication. Students wishing to major in the following degrees can proceed with their declaration as soon as they meet general university guidelines for admission:

- Bachelor of Science degree in Communication, Advertising
- Bachelor of Science degree in Communication, Journalism
- Bachelor of Science degree in Communication, Public Relations
- Bachelor of Science degree in Communication Studies

Due to resource issues related to the EM/B major, the Department places a restriction on the number of students the Department can serve. For this reason, applicants who have met all current University requirements for the declaration of a major will be considered for admission into the Bachelor of Science degree in Communication, Electronic Media/Broadcasting no later than February 1 for the following fall semester, or no later than September 15 for the following spring semester. Declaration of a major begins the process of applying for admission but is not the same as admittance into the Department. If more students apply for admission than resources can accommodate, selections for the EM/B major will be made based on overall GPA and grade in COM 1200. In the event of a tie, the selection committee will ask students to submit a writing sample.

The Bachelor of Science degree in Communication, Advertising (507A/09.0903)

The program of study is available at: www.programsofstudy.appstate.edu/communication-advertising-bs-507a-2015-2016

The Bachelor of Science degree in Communication, Electronic Media/Broadcasting (525A/09.0701)

The program of study is available at: www.programsofstudy.appstate.edu/communication-electronic-mediabroadcasting-bs-525a-2015-2016

The Bachelor of Science degree in Communication, Journalism (517A/09.0401)

The program of study is available at: www.programsofstudy.appstate.edu/communication-journalism-bs-517a-2015-2016

The Bachelor of Science degree in Communication, Public Relations (521A/09.0902)

The program of study is available at: www.programsofstudy.appstate.edu/communication-public-relations-bs-521a-2015-2016

The Bachelor of Science degree in Communication Studies (585A/09.0101)

The program of study is available at: www.programsofstudy.appstate.edu/communication-studies-bs-585a-2015-2016

Minor in Communication (532/09.0101) (18 semester hours)

The program of study is available at: www.programsofstudy.appstate.edu/communication-minor-532-2015-2016

Honors Program in Communication

The Department of Communication offers a 9 semester hour honors program composed of 6 semester hours of Communication honors courses and a 3 semester hour Communication honors thesis. To graduate with "Honors in Communication," a student must be a Communication major, maintain an overall GPA of 3.45 and maintain an overall Communication GPA of 3.45, and earn a grade of no less than a "B" in any honors designated courses.

Courses of Instruction in Communication (COM)

This catalog reflects fall and spring semester offerings. Go to www.summerschool.appstate.edu for courses offered in summer terms. (For an explanation of the prefixes used in the following courses, see the listing of Course Prefixes.)

COMMUNICATION (COM)

COM 1200. Foundations of Human Communication (3).F;S.

The study of the development, research, theory and field of human communication.

COM 1600. Fundamentals of Electronic Media (3).F;S.

This course provides an in-depth look at the industries in electronic media and gives a framework on which the BS in Communication, Electronic/Media Broadcasting major can build.

COM 2101. Public Speaking (3).F;S.

Intensive practice in composition and delivery of various types of speeches with emphasis on speech structure and style.

COM 2105. Public Speaking in the Disciplines (3).F;S.

GEN ED: Liberal Studies Experience

Intensive practice in composition and delivery of various types of speeches with emphasis on speech structure and style suited to a particular subject matter, which will vary by section as indicated in the schedule of classes.

COM 2106. Argumentation and Advocacy (3).F.

Study of the theory of argumentation including the reasoning process; the use, discovery, and evaluation of evidence; refutation; advocacy situation analysis and adaptation. Practice in speaking in a variety of advocacy situations and types. Corequisite or prerequisite: COM 2101 or consent of the instructor.

COM 2110. Introduction to Nonverbal Communication (3).F;S.

An introduction to nonverbal behavior as a form of communication, with emphasis upon nonverbal communication in the classroom, in the business world, and in general interpersonal relations. Examination will be made of such areas of nonverbal behavior as kinesics (body language), haptics (communication through touch), proxemics (use of space and communication), paralinguistics (vocal cues in communication), and nonverbal factors in communication between variant ethnic groups and cultures.

COM 2112. Online Public Discourse (3).On Demand.

Examination of the effects of Internet-based communication tools on issue awareness, formulation of perspectives, and exchange of views.

COM 2115. Speech Activity (1-3).F;S.

Participation in activities of the Forensic Union or other projects approved by the department. The student will contract with the appropriate staff member for the activities of this course. May count four (4) semester hours toward graduation.

COM 2121. Interpersonal Communication (3).F;S.

GEN ED: Integrative Learning Experience (Theme: "Social Relations Across Contexts")

Study and application of basic communication concepts to interactive communication situations and problems. Students will be involved in various activities pertinent to understanding these concepts.

COM 2124. Intercultural Communication (3).S.

GEN ED: Social Science Designation; Integrative Learning Experience (Theme: "Expressions of Culture")

Examines communication practices in multi-cultural settings including international, national, regional, ethnic, racial, economic, religious, and other topics of pertinence to effective intercultural communication. Students will be involved in observational activities and research activities to exemplify intercultural communication differences in a practical way.

COM 2131. Health Communication (3).F.

An exploration of the role communication plays in health care delivery, health behavior change programs, and health communication career opportunities. The course is designed to increase understanding of the communication theories and research in patient/provider relationships, communication in health care organizations, media coverage of health, and health communication campaign planning and implementation.

COM 2180. Communication Theory (3).F;S.

Study of communication theories, systems, models, formulations and measurements; new dimensions in speech criticism and research methodology; critical study of published reports in the contemporary literature of the field. Prerequisite: COM 1200.

COM 2181. Introduction to Rhetorical Theory (3).S.

An introduction to contemporary and classical rhetorical theories of communication and rhetorical approaches to the critical study of rhetorical artifacts. Prerequisite COM 1200.

COM 2300. Introduction to Mass Communications (3).F;S.

Study of the forms of mass communication including newspaper, magazine, radio, television, books, and film. Corequisite or prerequisite: COM 1200 or consent of the instructor.

COM 2315. Mass Communication Activity (1).F;S.

Participation in broadcasting or journalism activity. Students will contract with the appropriate faculty member to work in radio, TV, or journalism. Maximum of four hours may be applied to graduation. Graded on an S/U basis.

COM 2316. Audio Production I (3).F;S.

Audio Production I is a lecture/laboratory course designed to introduce the electronic media/broadcast student to the basic science of sound and audio along with terminology and audio production procedures used in radio, television, and other forms of converged media. Students are instructed in the use of professional state-of-the-art audio production equipment for producing commercials and various types of electronic media programming. Other forms of audio production techniques are also presented, such as preparing audio tracks for video production and general techniques of producing remote broadcasts. Corequisite or prerequisite: COM 1600. Prerequisite: registration is restricted to students admitted to the BS in Communication, Electronic Media/Broadcasting.

COM 2416. Video Production I (3).F;S.

The course introduces the student to the basic techniques of producing single camera, non-fiction programs. Students will produce programs that fall within a variety of genres, including news, public affairs, documentary, essay/commentary, PSAs and promotion. The course examines both the technical and analytical aspects of the production process. Areas covered include concept and storyline development, treatments, scripting, planning, camera techniques, lighting, editing, and exposure to non-fiction styles and genres. Prerequisites: Registration is restricted to students admitted to the B.S. degree in Communication, Electronic Media/Broadcasting.

COM 2500. Independent Study (1-2).F;S.

COM 2600. Introduction to Journalism (3).F;S.

Introduction to newsgathering, writing, and editing processes.

COM 2610. News Reporting and Writing (3).F;S.

Study of reporting and writing news for newspapers, magazines, and online media. Emphasis on techniques of gathering news, interviewing sources, and writing news stories. Prerequisites: COM 1200 and COM 2600; or consent of the instructor.

COM 2612. Broadcast Newswriting (3).F;S.

Study of newsgathering and newswriting for radio and television. Emphasis on techniques of interviewing, newsgathering, newswriting and preparing broadcast news stories. Prerequisites: COM 1600; and registration is restricted to students majoring in the BS in

Communication, Electronic Media/Broadcasting or other communication majors, or consent of the instructor.

COM 2618. Introduction to Media Publishing (3).F;S.

Introduction to the creation of printed communication. Students will be given the opportunity to learn to use current desktop publishing software to create publications typically found in the field of communication. Prerequisite: must be an admitted major in the Department of Communication.

COM 2700. Foundations of Advertising (3).F;S.

An introductory course that examines advertising as a form of communication. After a brief examination of history, role in the economy, external restraints and customer behavior, the course concentrates on theories and principles of media messages and management as well as advertising applications and trends.

COM 3010. Media Graphics (3).F;S.

A study and application of the creative and practical aspects of typography, layout and design of printed and electronic communication. Prerequisite: COM 2618.

COM 3100. Interviewing Methods (3).On Demand.

A study of communication variables in interview situations, including elements of informational, persuasive, health care, research, appraisal, journalistic and selection (employment) interviews. Includes a focus on question development and formulation, legal and ethical implications of interviewing techniques, interviewing as a theoretical perspective, and simulation interviews.

COM 3110. Small Group Communication (3).On Demand.

The theory and practice of small group communication, with emphasis upon the psychology of small group interaction, styles and methods of leadership, environments and small group interactions, and problem/solution methodologies in small group interactions. Students are provided the opportunity to apply theory in actual small group projects.

COM 3117. Environmental Communication (3).On Demand.

The course is designed to encourage students to think critically about the meanings of environmental communication and the roles it plays in their lives and throughout the world. Students will also examine the recent history and development of environmental communication as an area of intellectual inquiry.

COM 3118. Communicating Coal in Appalachia (3).On Demand.

The course examines the types of communication and information campaigns used by various stakeholders in the cultural, economic and political conflicts surrounding the coal industry in Appalachia. Students will learn through case studies, readings, guest speakers and at least one field trip to the coal fields of Appalachia.

COM 3120. Rhetoric and Religious Discourse (3).On Demand.

The rhetorical analysis of religious themes in political and popular discourses. Prerequisite: RC 2001 or its equivalent.

COM 3130. Minorities in Media (3).S.

GEN ED: Integrative Learning Experience (Theme: "American Culture: Past and Present")

This lecture and discussion course introduces students to the complex relationships between race, gender, and popular culture via critical media analysis.

COM 3131. Health Communication in Interpersonal Settings (3).On Demand.

Theory and practice of health communication in interpersonal contexts, including patient-provider communication, social support, and communication in illness.

COM 3132. Health and Mass Media (3).On Demand.

A course exploring the mass communication contexts of health communication, including health news, advertising, campaigns, and information seeking. The course is appropriate for the future health care professional, health communication professional, and health communication graduate student, patient, or health care consumer.

COM 3151. Gender Communication (3).On Demand.

GEN ED: Junior Writing in the Discipline (WID)

A course designed to allow students to learn, through studying theories and through practical experiences, the concepts relative to communication and both genders. Study includes, but is not limited to, communication among both and single genders; communication role development; how gender communication affects family relationships; differences in verbal and nonverbal communication across genders; and how gender roles affect close relationships, education, the media, acts of violence, and the workplace. Prerequisite: RC 2001 or its equivalent.

COM 3152. Communication in Organizations (3).F;S.

Examines communication within organizational structures; develops skill in language, observation and listening; teaches improved communications skill through interview and formal presentations. Oriented to the speech communication requirements of the contemporary business and professional community.

COM 3155. Persuasion (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

This course explores the role of persuasion in public life. Students will learn to critically analyze and produce persuasive discourse in social, cultural, and democratic contexts in light of prevailing theories of social influence. Prerequisites: COM 1200 and COM 2101, or consent of the instructor; and RC 2001 or its equivalent.

COM 3182. Organizational Communication Simulation (3).On Demand.

A course designed to help students develop and apply organizational communication skills that are helpful in a variety of professional settings, including human resources, interviewing, group decision-making, and written and oral reporting.

COM 3200. Internet Communication (3).F;S.

Practical and theoretical introduction to the Internet as a communication medium. Training in effective online communication, including human-computer interaction and web production. Discussion of social, political, and personal impact of online interactions via networks from a variety of theoretical, historical, and critical perspectives.

COM 3210. Copy Editing (3).F.

A course designed to introduce students to the theory and practice of editing copy, editing photos and informational graphics, and writing headlines for print and online journalism. Prerequisites: COM 2610 and must be an admitted journalism major.

COM 3220. Professional Ethics in Public Relations (3).F;S.

A study of public relations ethics through the analysis of real-world cases in a variety of professional and organizational contexts.

COM 3300. Mass Media and Society (3).F;S.

GEN ED: Liberal Studies Experience

A survey of the social impact of mass media. Analysis of issues such as mass media and individual behavior, violence and TV, media and consumers, and mass media and popular culture.

COM 3301. Writing for the Electronic Media (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

Formats and techniques of writing for the electronic media. Prerequisites: RC 2001 or its equivalent and COM 1600; and registration is restricted to students admitted to the BS in Communication, Electronic Media/Broadcasting or consent of the instructor.

COM 3302. Copywriting for Advertising (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

Development of skills and techniques of advertising copywriting applying to all media. Goals are to improve creative writing skills, learn the basics of advertising copy and layout and the analysis of advertisements. Prerequisites: COM 2700 and must be an admitted communication major or communication minor; and RC 2001 or its equivalent.

COM 3305. Communication Law (3).F;S.

A study of legal sanctions and constitutional freedoms affecting the mass media, various communication technologies and human communication.

COM 3306. Audio Production II (3).F;S.

Audio Production II is an extension of the material covered in Audio Production I. The course is designed to further electronic media/broadcast students' knowledge of the terminology, production procedures, and equipment used in all electronic media production including radio, Internet, and audio for video. Prerequisites: COM 2316; registration is restricted to students admitted to the B.S. degree in Communication, Electronic Media/Broadcasting.

COM 3311. Conflict Management (3).On Demand.

A course that examines positive conflict management processes, including active listening and communication skills, principled negotiation, mediation, and nonviolent direct action.

COM 3312. Crisis Communication (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

A study of the role of crisis communication in contemporary organizations. Emphasis is on critical assessment of organizational

readiness for a crisis and advanced crisis preparation. Students prepare a crisis assessment and crisis management plan for an actual organization/business. Prerequisite: RC 2001 or its equivalent.

COM 3313. Professional Ethics in Electronic Media (3).F;S.

Study methods of applying logical concepts and techniques as well as theories, principles and techniques relating to electronic media. The course will also demonstrate the importance of ethics and of social responsibility to the student's personal and professional life. It will scrutinize and evaluate fundamental issues and problems relating to electronic media and examine the social responsibility for electronic media communicators. Prerequisites: COM 1600, and registration is restricted to students admitted to the BS in Communication, Electronic Media/Broadcasting, or consent of instructor.

COM 3314. Advanced Media Analysis (3).F.

An examination of media content through a mass communication perspective. The course will define the field of media analysis, examine the importance of message production, and discuss the dilemmas that electronic media professionals face in producing content.

COM 3315. Political Communication (3).On Demand.

EN ED: Liberal Studies Experience

Examines the theoretical and practical aspects of political communication. Topics covered include political debates, speechwriting, political cartoons, communication strategies during and after campaigns, and the role of the media in political communication.

COM 3316. Television Studio Production (3).F;S.

Exposure to multi camera, live studio production. All aspects of the live process will be covered including production equipment, scripting, lighting, crew assignments, videotape formats and editing. Lecture 2 hours, laboratory 2 hours. Prerequisite: COM 2416.

COM 3317. Social Media Strategies (3).F;S.

Social Media Strategies is designed for students to understand various social and digital media techniques, as well as the public relations-based strategies behind them to help organizations engage in dialogue and build relationships effectively with different audiences and stakeholders.

COM 3318. Public Relations Principles (3).F;S.

An introductory course that serves as an overview of the technical elements and basic principles of public relations. It introduces the students to the concepts and activities that form the foundations of a professional practice. Prerequisite: must be an admitted public relations major or communication minor.

COM 3320. Audio-Video Production (3).F;S.

A course for non-electronic-media/broadcasting majors. Introduces students to the terminology, equipment, operating procedures and conceptual strategies used in the production of material for audio and video. Includes audio and video laboratories.

COM 3333. Electronic Media Programming (3).S.

This course surveys the various methods for program decision-making at all levels of radio, television, and new electronic media. Also covered: the duties of the program director, music director, and on-air staff; how advertising, news, and entertainment fit together in programming strategy; the future convergence of media technologies and their effect on future programming; program criticism, effects, and ratings; and future career opportunities in the programming segment of these industries. Prerequisites: COM 2416 and registration is restricted to students admitted to the BS in Communication, Electronic Media/Broadcasting.

COM 3340. Journalism Ethics and a Free Society (3).F;S.

This course is an exploration of ethical dilemmas that journalists and other media professionals encounter and the impact that these situations have on their audiences. The examination of case studies provides a way to evaluate and integrate ethical foundations into professional situations.

COM 3341. Communication Ethics (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

Study methods of applying logical concepts and techniques as well as ethical theories, principles, and techniques to professional communication fields. The course will also demonstrate the importance of ethics and of communication ethics to the student's personal and professional life. It will scrutinize and evaluate the fundamental issues and problems in communication ethics and examine the social responsibility of professional communicators. Prerequisites: COM 1200 or permission of the instructor, and RC 2001 or its equivalent.

COM 3500. Independent Study (1-4).F;S.

COM 3520. Instructional Assistance (1).F;S.

A supervised experience in the instructional process on the university level through direct participation in a classroom situation. Graded on an S/U basis. Prerequisite: junior or senior standing. May be repeated for a total credit of three semester hours. Approved contract required.

COM 3530-3543. Selected Topics (1-4).On Demand.

An opportunity to study a special topic or combination of topics not otherwise provided for in the communication curriculum. Course numbers COM 3530-3543 are reserved for variable credit courses treating topics relating to any of the department's degree options. Any of these numbers may be repeated for credit when content does not duplicate.

COM 3544. Selected Topics in Advertising - Business (3).On Demand.

An opportunity to study a special topic or combination of topics not otherwise provided for in the communication curriculum. COM 3544 is reserved for 3 credit hour selected topics courses related to the business of advertising. May be repeated for credit when content does not duplicate.

COM 3545. Selected Topics in Advertising - Creative (3).On Demand.

An opportunity to study a special topic or combination of topics not otherwise provided for in the communication curriculum. COM 3545 is reserved for 3 credit hour selected topics courses related to the creative element of advertising. May be repeated for credit when content does not duplicate.

COM 3546. Selected Topics in Professional Contexts (3).On Demand.

An opportunity to study a special topic or combination of topics not otherwise provided for in the communication curriculum. COM 3546 is reserved for 3 credit hour selected topics courses related to professional contexts. May be repeated for credit when content does not duplicate.

COM 3547. Selected Topics in Public Contexts (3).On Demand.

An opportunity to study a special topic or combination of topics not otherwise provided for in the communication curriculum. COM 3547 is reserved for 3 credit hour selected topics courses related to public contexts. May be repeated for credit when content does not duplicate.

COM 3548. Selected Topics in Applications (3).On Demand.

An opportunity to study a special topic or combination of topics not otherwise provided for in the communication curriculum. COM 3548 is reserved for 3 credit hour selected topics courses related to applications. May be repeated for credit when content does not duplicate.

COM 3549. Selected Topics in Analyses (3).On Demand.

GEN ED: Junior Writing in the Discipline (WID)

An opportunity to study a special topic or combination of topics not otherwise provided for in the communication curriculum. COM 3549 is reserved for 3 credit hour selected topics courses related to analyses. Prerequisite: RC 2001 or its equivalent. May be repeated for credit when content does not duplicate.

COM 3600. Feature Writing (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

Study of principles, processes and techniques of editorial and feature writing for print media. Intense practical training in advanced writing styles and skills. Prerequisites: COM 2600 and COM 2610, or consent of the instructor; and RC 2001 or its equivalent.

COM 3618. Public Relations Writing (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

Public relations writing builds student skills in developing and preparing collateral public relations materials. This course integrates and builds upon the journalism, public address, core communication, and public relations courses. It sets the foundation for independent action in the advanced public relations courses and for successful experiences in an internship environment. Prerequisites: COM 2600 and RC 2001 or its equivalent. Corequisite or prerequisite: COM 3318.

COM 3620. Principles of Fund Raising (3).On Demand.

An introduction to the basic principles and methods of contemporary fund raising in the United States. Students are introduced to the skills of researching constituencies and developing a fund raising plan for a real organization.

COM 3640. Media Planning (3).F;S.

This course is designed to teach the basics of advertising media planning: the essential terms and concepts in media planning, how to identify the media problems and opportunities of a client, and how to develop effective strategies for solving these problems and making the best use of these opportunities. Each student will produce a ready-to-submit media plan for a client. Prerequisite: COM

2700 or permission of the instructor.

COM 3680. Literary Journalism (3).F.

A study of journalism as literature and the practice of writing nonfiction journalistic prose employing the narrative aims and techniques of fiction. (Same as ENG 3680.)

COM 3900. Internship (3-12).F;S.

A designed work experience program in either advertising, communication studies, electronic media/broadcasting, journalism, or public relations. Graded on an S/U basis.

COM 3901. Communication Practicum (1-3).F;S.

Students will produce a professional communication product with the approval and supervision of a communication faculty member to include research, analysis, design, and production. Prerequisites: communication major and junior standing, or approval of the instructor.

COM 3910. International Experience (3).On Demand.

This course is designed to assist students in the department's international internship program as they prepare themselves for the experience of completing an international internship. Prerequisite: open only to students participating in the department's international internship program.

COM 3915. Career Connections (2).On Demand.

A course designed to allow junior- and senior-level communication majors to refine their understanding of, and preparation for, varied fields of communication. In order to make a better transition from the classroom to the workplace, students will interact with communication professionals who will speak about career opportunities, professional activities and current industry trends. Graded on an S/U basis.

COM 3928. Communication Research Methods (3).F;S.

This course is designed to increase students' knowledge of the foundations and types of research methods commonly employed in communication research. Both quantitative and qualitative methods will be taught. Students should gain a fuller understanding of the relationship between theory and research. They should also gain practical experience in employing at least one of the research methods in an original research project leading to a written report suitable for submission to an academic conference. Prerequisite: junior or senior standing, or consent of the instructor.

COM 3929. Rhetorical Theory and Criticism (3).F.

A study of classical and contemporary theories of rhetoric and rhetorical methods of cultural critique. Application of rhetorical theory to rhetorical events and situations. Prerequisite: junior or senior standing.

COM 4040. International Advertising (3).On Demand.

The course provides an overview of the ways globalization and multi-media conglomerates have changed the advertising industry. Prerequisite: COM 2700 or consent of the instructor.

COM 4101. Speechwriting (3).S.

Theory and practice of writing the spoken word. Study of speech composition and the role of speech-making in various professional settings. Special emphasis upon style, organization, support, and criticism of the public speech with a primary emphasis upon manuscript speaking. Prerequisite: COM 2101 or permission of the instructor.

COM 4152. Advanced Organizational Communication (3).On Demand.

Application of communication methodology to the analysis of organizational communication processes. Students study methods of communication consulting, facilitation, and training. Prerequisite: COM 3152. [Dual-listed with COM 5152.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

COM 4220. Photojournalism (3).F.

An exploration of journalism as visual storytelling and the practice of using still, audio, and video techniques to capture and employ defining moments in the creation of news and feature narratives. Prerequisites: TEC 1022 or ART 2026 or CI 4740, or permission of the instructor.

COM 4250. Professional Ethics in Advertising (3).S.

An examination of ethical practices in advertising through case study analyses of agency, industry, and affected consumer groups. Prerequisite: COM 2700.

COM 4300. Media Sales (3).F;S.

This course is a senior level course designed for students in electronic media/broadcasting that includes a study of the techniques used by the mass media to sell space and time to advertisers. Also included is a study of personal selling; company, product, and audience research; media-audience matches; and media sales presentations. Also examined are the strengths and weaknesses of a variety of print, radio and television advertising techniques and strategies. Prerequisites: junior or senior standing; registration is restricted to students admitted to the BS in Communication, Electronic Media/Broadcasting or COM 3640; or consent of the instructor.

COM 4302. Broadcast Performance Techniques (3).F;S.

A study and application of specific performance techniques (i.e., voice, body, manuscript usage, personality) related to the broadcast industry. Students will experience a variety of radio and television performance and announcing situations directed towards improving their broadcasting performance skills. Prerequisite: COM 2416; COM 3316.

COM 4310. Design for Print and Interactive Media (3).S.

A course that emphasizes the theory, principles, and practice of newspaper and interactive magazine design. Prerequisites: COM 2610, COM 2618, and registration is restricted to students admitted to the BS in Communication, Journalism.

COM 4315. Electronic Media Management (3).F;S.

GEN ED: Capstone Experience

The study of factors related to the management of broadcast and cable stations, including finances, human resources, programming, sales, regulation, and promotion and marketing. Prerequisites: Senior standing; COM 3301; or consent of the instructor.

COM 4317. Electronic Media Regulation (3).F.

Governmental regulation of broadcasting and electronic media, detailing the FCC and other agencies relationships; emphasizing early broadcast legal history, administrative rulemaking, programming, licensing, renewals, content controls, ownership, fairness, political advertising, copyright and emerging media. Prerequisite: COM 3316; junior or senior standing.

COM 4318. Public Relations Campaigns (3).F;S.

An advanced course providing students with hands-on experience in researching, planning, implementing and evaluating public relations campaigns for various types of organizations. Prerequisites: COM 3318, COM 3618 and COM 3928, or permission of the instructor.

COM 4319. TV News and Sports Reporting (3).F.

A course designed to allow students to research, write, produce and edit a number of electronic media/broadcasting projects suitable for television news and sports. Topics covered include news and sport videography and audio, and field production and editing. Prerequisites: COM 2600, COM 2416, and COM 2612.

COM 4400. Advertising Campaigns (3).F;S.

GEN ED: Capstone Experience

This course is designed to teach the student how to prepare an entire advertising campaign from start to finish. As such, it will incorporate knowledge gained from the variety of courses the student has had previously. Prerequisites: senior standing, COM 2700, and either COM 3302 or COM 3640, or permission of the instructor.

COM 4402. Advanced Advertising Campaigns (3).S.

A course designed to prepare students to apply the elements and conduct the strategic development of an advertising campaign for a national student competition. The course will cover advanced advertising campaign principles and techniques, and it will provide opportunities to implement both in an agency-like setting. Prerequisites: COM 4400 and permission of the instructor.

COM 4416. Video Production II (3).F;S.

The course is designed to give upper-level video production students an opportunity to produce professional quality, non-fiction programs, including news, public affairs, documentary, essay/commentary, magazine format, and promotional videos. The course expands on the production skills covered in Video Production I and provides more in-depth analysis of the production process. The course covers advanced production techniques, advanced edit techniques, budgets, copyright, grant writing, distribution, marketing, and career options. Prerequisites: COM 2316, COM 3316, and COM 4316; registration is restricted to students admitted to the B.S. degree in Communication, Electronic Media/Broadcasting.

COM 4418. Public Relations Seminar (3).F;S.

GEN ED: Capstone Experience

Examines the educational preparation and requirements, as well as the professional standards, for public relations practitioners. The course analyses developments which impact the interface between organizations, their publics, and the social environment in which they operate. It is also a critical study of the role of public relations in different organizational settings. Corequisite or prerequisites:

COM 4318 and senior standing, or consent of the instructor.

COM 4420. Multimedia Storytelling (3).On Demand.

This course examines the ways technology has transformed traditional mass media, while preparing students to work with multiple media as they produce online narratives. Students will create multimedia content to publish to the Web. Prerequisites: one writing class (COM 2610, COM 3301, COM 3302, or COM 3618) AND one technical class (COM 3200, COM 3306, COM 3316, COM 3320, or COM 3420) OR permission of the instructor.

COM 4425. Task-Oriented Group Facilitation Methods (3).S.

Develop leadership and group facilitation skills through hands-on instruction that demonstrates how to conduct focused conversations, lead workshops, and accomplish action planning. Application opportunities using these skills include community development, organizational planning, education, government, and other occasions when people want to actively participate in the creation of their own futures. (Same as PLN 4425.)

COM 4432. Communication Studies Seminar (3).F;S.

GEN ED: Capstone Experience

This capstone course invites students to draw connections between their previous coursework and major works in the discipline, through discussions, presentations, and writing. Students will also construct a portfolio. Prerequisites: senior standing and must be admitted to the B.S. degree in Communication Studies.

COM 4510. Senior Honors Thesis (3). On Demand.

Independent study and research. Honors thesis directed by a member of the Department of Communication. Prerequisites: completion of 12 semester hours of departmental honors work and permission of the departmental honors coordinator.

COM 4610. Specialized Reporting (3).F;S.

GEN ED: Capstone Experience

This course is an advanced news writing and reporting course in the journalism sequence. Focus is on reporting for specific news beats to produce stories of publishable quality. Emphasis is also placed on analysis of advanced forms of news writing beyond breaking news, including features and in-depth stories. Prerequisites: COM 3600 and senior standing.

Department of Military Science and Leadership (MSL)

Lieutenant Colonel Michael Zopfi, Chair

The Army ROTC program provides college men and women the best available training and experience in the art of leadership. This program includes instruction to develop self-discipline, physical stamina, and poise, as well as the organizational and motivational skills that contribute to success in any career.

The BASIC COURSE consists of the freshman and sophomore years of military instruction (MSL 1001, MSL 1002, MSL 2001, and MSL 2002) and is strictly voluntary. These courses are short (1 or 2 hour) courses providing an overview of the military with opportunities for outdoor training and adventure. Individuals taking these ROTC courses incur no military service obligations. Almost every student eligible to attend Appalachian State University is also eligible to take these courses.

The LEADER TRAINING COURSE (MSL 2003), a five week outdoor, challenging summer camp, may be substituted for the BASIC COURSE. This summer camp is normally taken between the sophomore and junior years. Graduates may be eligible to receive a scholarship covering tuition, fees, and a monthly stipend for their remaining two years of college.

Partial or complete BASIC COURSE credit is available for prior military service or previous ROTC training. Contact the Department of Military Science and Leadership for details.

The ADVANCED COURSE consists of junior and senior years of military instruction (MSL 3001, MSL 3002, MSL 3003, MSL 4001, MSL 4002) and successful completion of the ROTC National Advanced Leadership Camp (MSL 3003), normally taken between the junior and senior years. This course of instruction is offered to those cadets meeting the necessary qualifications. Upon successful completion of the advanced course, the cadet may be offered a commission as a Second Lieutenant in the U.S. Army, Army Reserves, or Army National Guard.

Minor in Military Science and Leadership (555/28.0301) (24-25 semester hours)

The program of study is available at: www.programsofstudy.appstate.edu/military-science-and-leadership-minor-555-2015-2016

Scholarships

Two-year, three-year, and limited four-year scholarships are offered by the Department of the Army. These scholarships pay the full cost of tuition, a flat rate fee for textbooks, lab fees and other educational expenses for the duration of the award. They also provide a subsistence allowance of \$300 to \$500 a month up to 10 months of each academic year for which the award is in effect. Participation in the Army ROTC Scholarship Program does not preclude the holding of other scholarships. More information can be obtained from the recruiting officer or from the Chair of the Department of Military Science and Leadership.

Simultaneous Membership Program

Under this program, a student participates in either the National Guard or the Reserve and ROTC. Participation can lead to financial benefits of \$4,500 per year in federal tuition assistance, drill pay, the GI Bill, and the ROTC subsistence allowance. Total benefits can amount to more than \$70,000. In addition to this, a student who elects to serve in the National Guard or Reserve after earning a commission can qualify for two or three-year Guaranteed Reserve Forces Duty Scholarships which can be used to pay room and board costs. This scholarship can be worth approximately \$5,000 per semester. More information can be obtained from the recruiting officer or from the Chair of the Department of Military Science and Leadership.

Basic Course Qualification Requirements

A candidate for freshman and sophomore level ROTC training must:

1. Be of good moral character
2. Be a citizen of the United States
3. Be able to graduate before 30 years of age
4. Be physically able to participate in the program of instruction
5. Meet other entrance requirements as determined by the departmental chair, University policy, and current Army regulations

A student who does not meet all of the above requirements should consult with the Department of Military Science and Leadership to determine if waivers can be granted.

Basic Course Texts and Uniforms

Texts are either available through the University book rental system or they are furnished by the Department of Military Science and Leadership. Uniforms are furnished by the government. Students will be required to reimburse the government for loss of (or negligent damage to) uniform items or other equipment.

Advanced Course Qualification Requirements

A candidate for junior and senior level ROTC training must:

1. Meet all requirements for the basic course
2. Have a minimum of two years remaining at the University
3. Meet medical requirements for advanced course
4. Possess qualifications for becoming an effective Army officer
5. Have satisfactorily completed the basic course, received a waiver, have satisfactorily completed the Leaders Training Course, or have served as an enlisted person in the active or reserve armed forces with an honorable discharge and have completed basic training
6. Have satisfactorily completed loyalty requirements
7. Accept a commission if offered in either the active Army, Army Reserves, or National Guard
8. Meet other requirements as determined by the departmental chair, current Army regulations, and University policies

A student who does not meet all of the above requirements should consult with the Department of Military Science and Leadership to determine whether waivers can be granted.

Advanced Course Text and Allowances

Texts are either available through the University book rental system or they are furnished by the Department of Military Science and Leadership. Each cadet enrolled in the advanced course receives subsistence pay at the rate of between \$450 and \$500 per month for up to 20 months. They are paid a travel allowance to and from advanced camp. While at camp, cadets are paid approximately \$950. The total pay and allowances received while in the advanced course are approximately \$19,450 (at a minimum).

Courses of Instruction in Military Science and Leadership (MSL)

This catalog reflects fall and spring semester offerings. Go to www.summerschool.appstate.edu for courses offered in summer terms. (For an explanation of the prefixes used in the following courses, see the listing of Course Prefixes.)

MILITARY SCIENCE AND LEADERSHIP (MSL)

MSL 1001. Foundation of Officership (1).F.

The Foundation of Officership course introduces students to issues and competencies that are central to a commissioned officer's responsibilities. These initial lessons establish a framework for understanding officership, leadership, and Army values. Additionally, the course addresses "life skills" including fitness and time management. MSL 1001 is designed to give the student an accurate insight into the Army profession and the officer's role within the Army. The course teaches leadership topics beneficial to any future leader as well as introducing students to a military lifestyle. The course is open to all students and has no military obligation.

The MSL 1001 Leadership Lab consists of skill training and confidence building in subjects such as rappelling, paintball, one rope bridge, military weapons firing, night compass course, orienteering, and other selected subjects.

MSL 1002. Basic Leadership (1).S.

The Basic Leadership course builds on the experience of the first term and further broadens the introduction to the Army as well as to the leadership skills and the "life skills" needed by an Army officer. The course covers a variety of leadership and communication topics including: goal setting, problem solving methodology, briefings, effective writing, and listening and speaking skills. MSL 1002 teaches leadership topics beneficial to any future leader as well as introducing students to a military lifestyle. This course is open to all students and has no military obligation.

The MSL 1002 Leadership Lab consists of skill training and confidence building in subjects such as rappelling, paintball, one rope bridge, military weapons firing, night compass course, orienteering, and other selected subjects.

MSL 1101. Army Physical Fitness (2).F;S.

GEN ED: Wellness Literacy

This course trains students in the physical fitness standards identified by the U.S. Army. This includes education on how constructive personal choices promote fitness, health, and wellness. The course prepares Army ROTC cadets to meet and exceed the physical requirements of the Army, but is also open to non-ROTC students.

MSL 1102. Army Physical Fitness II (1).S.

This course is a continuation of MSL 1101, with more emphasis on student-led exercise sessions. Like MSL 1101, this course is specifically designed to prepare Army ROTC cadets to meet and exceed the physical requirements of the Army. It satisfies Cadet Command's requirements that all contracted ROTC cadets receive physical training and maintain the Army's individual fitness standards. MSL 1102 is an excellent preparation for the physical requirements of the MSL 3000 level courses. This course is also open to non-ROTC students.

MSL 2001. Individual Leadership Studies (2).F.

This course studies individual leadership characteristics and styles and what makes them successful or unsuccessful in different situations and environments. The course also provides an introduction to practical leadership skills required of a small group leader. Course topics include: leadership principles and characteristics, military written and oral communications; use of the map and compass for land navigation; small unit tactical operations. MSL 2001 continues with leadership instruction appropriate for any future leader, but is especially useful for students demonstrating the potential and desire for possible service as a US Army officer. The course is open to all students and has no military obligation.

The MSL 2001 Leadership Lab includes all the lab topics of MSL 1001 with additional focus on small unit leadership opportunities for emerging leaders. This course may be taken in conjunction with MSL 1001.

MSL 2002. Leadership and Teamwork (2).S.

The Leadership and Teamwork course examines how to build successful teams, various methods for influencing action, the importance of timing the decision, and creativity in the problem solving process. Students are assisted through the officer pre-qualification process to insure their preparation to begin the demanding two-year Advanced Course curriculum that begins with MSL 3001. MSL 2002 is designed for students demonstrating the potential and desire for possible service as a US Army officer. The course is open to all students and has no military obligation.

The MSL 2002 Leadership Lab includes all the lab topics of MSL 1002 with additional focus on small unit leadership opportunities for emerging leaders. This course may be taken in conjunction with MSL 1002.

MSL 2003. ROTC Leader's Training Course (5).SS.

At the month long Leader's Training Course (LTC) students will be given the opportunity to learn, develop, and practice leadership within a challenging, stressful and competitive framework. The LTC environment (similar to the Outward Bound program) provides students an opportunity to demonstrate overall officer potential and characteristics such as loyalty, duty, respect, selfless-service, honor, integrity, personal courage and leadership. Successful completion of LTC requires a cadet to meet or exceed the standard in a variety of objective evaluations. Normally taken the summer following the sophomore year as substitute for the first two years of ROTC (ROTC Basic Course). This course fulfills the requirements for entry into the ROTC Advanced Course. Training is conducted at Ft. Knox, Kentucky, about an hour south of Louisville, Kentucky. Transportation and expenses are paid for by the government. To receive five hours credit, a student must register and pay a fee to the University. Prerequisite: completion of sophomore year of college, cumulative GPA of 2.0, and selection by the department.

MSL 2500. Independent Study (1-4).F;S.

MSL 3001. Leadership and Problem Solving (3).F.

Students conduct self-assessment of leadership style, develop a personal fitness regimen, and have the opportunity to learn how to plan and conduct individual/small unit tactical training while testing reasoning and problem-solving techniques. Students receive direct feedback on leadership abilities. MSL 3000 level courses prepare a student to become a commissioned officer in the US Army. Prerequisite: Selection by the department as well as successful completion of the Basic Course (first two years of ROTC) or its equivalent as approved by a Professor of Military Science and Leadership. Lecture three hours, laboratory three hours.

The MSL 3001 Leadership Lab places students in demanding leadership positions for training, coaching and evaluation. Labs cover a variety of tactical situations to prepare cadets for success at the National Advanced Leadership Camp.

MSL 3002. Leadership and Ethics (3).S.

Examines the role that communications, values, and ethics play in effective leadership. Topics include ethical decision-making, consideration of others, spirituality in the military, and survey Army leadership doctrine. Emphasis on improving oral and written communication abilities, and pre-camp orientation. MSL 3000 level courses prepare a student to become a commissioned officer in the US Army. Prerequisite: MSL 3001 or permission of a Professor of Military Science and Leadership. Lecture three hours, laboratory three hours.

The MSL 3002 Leadership Lab places students in demanding leadership positions for training, coaching and evaluation. Labs cover a variety of tactical situations to prepare cadets for success at the National Advanced Leadership Camp.

MSL 3003. ROTC Leadership Development Assessment Course (4).SS.

The 30-day National Advanced Leadership Camp (NALC) incorporates a wide range of subjects designed to develop and evaluate leadership ability. The challenges are rigorous and demanding, both mentally and physically. Advanced Camp tests intelligence, common sense, ingenuity and stamina. These challenges provide a new perspective on an individual's ability to perform exacting tasks and to make difficult decisions in demanding situations. Successful completion of this course (along with MSL 4000 level courses) leads to a commission as an officer in the US Army. Usually taken the summer following junior year. Training is conducted

at Ft. Lewis, Washington, about an hour south of Seattle. Travel and expenses are paid by the government. To receive four hours of credit, a student must register and pay a fee at the University. Prerequisites: Selection by the department and successful completion of MSL 3001 and MSL 3002.

MSL 3500. Independent Study (1-4).F;S.

MSL 3520. Instructional Assistance (1).F;S.

A supervised experience in the instructional process on the university level through direct participation in a classroom situation. Graded on an S/U basis. Prerequisite: junior or senior standing. May be repeated for a total credit of three semester hours. Approved contract required.

MSL 3530-3549. Selected Topics (1-4). On Demand.

MSL 3823. American Military History (3).F;S.Odd-numbered years.(SS1.Even-numbered years.)

This course explores the American military experience from its origins in the colonial period to the present day. It is designed to view military history from a variety of angles, through multiple perspectives and formats, and to broaden students' views of the American military establishment. We will examine traditional military topics, such as strategy and tactics, and combat operations, as well as exploring "new military history" topics, such as the interaction between war and society, civil-military relations, and the social history of soldiers. We will also explore how political, social, and cultural factors have influenced the nature of warfare and the military institution in American history. (Same as HIS 3823.)

MSL 4001. Leadership and Management (3).F.

Develops student proficiency in planning and executing complex operations, functioning as a member of a staff, and mentoring subordinates. Students explore training management, methods of effective staff collaboration, and leadership and developmental counseling techniques. MSL 4000 level courses complete the student's preparation to become a commissioned officer in the US Army. Prerequisite: MSL 3002 or permission of a Professor of Military Science and Leadership. Lecture three hours, laboratory three hours.

The MSL 4001 Lab places senior cadets in leadership positions of the cadet corps to plan and execute the leadership training of the MSL 3001 cadets and their preparation for the National Advanced Leadership Camp.

MSL 4002. Officership (3).S.

Cadets study military law, small unit and staff operations, personal affairs, service customs, and officer orientation in preparation for graduation and commissioning. MSL 4000 level courses complete the student's preparation to become a commissioned officer in the US Army. Prerequisite: MSL 4001 or permission of a Professor of Military Science and Leadership. Lecture three hours, laboratory three hours.

The MSL 4002 Lab places senior cadets in leadership positions of the cadet corps to plan and execute the leadership training of the MSL 3002 cadets and their preparation for the National Advanced Leadership Camp.

MSL 4500. Independent Study (1-4).F;S.

Goodnight Family Department of Sustainable Development (SD)

Sandra B. Lubarsky, Chair

*Christoffel den Biggelaar
Brian J. Burke
Laura E. England*

*Anne C. Fanatico
Anatoli Ignatov
Jacqueline Ignatov*

*Dinesh Paudel
Charles L. Smith
Jennifer H. Westerman*

The Bachelor of Arts and the Bachelor of Science degrees in Sustainable Development emerge from the United Nations' mandate to engender "development that meets the needs of the present without compromising the ability of future generations to meet their own needs." In practice, sustainable development prepares students to engage in the social, economic, and environmental transformations necessary to create thriving, equitable, and sustainable communities within an ecologically healthy world. The required core is designed to familiarize students with principles and practices of sustainability found in the natural sciences, social sciences, and humanities. The degree aims to prepare students to think critically and constructively about the practices of sustainable development and to have the knowledge and skills necessary to build a sustainable future. The study of sustainable development provides a strong preparation in sustainability for those who wish to pursue graduate work or wish to address sustainability in public, private, and non-profit sectors.

The Goodnight Family Department of Sustainable Development offers the following degree options:

- Bachelor of Arts degree in Sustainable Development (603A/03.0103)
- Bachelor of Science degree in Sustainable Development (604*/03.0103) with concentrations in: 1) Agroecology and Sustainable Agriculture (604B), 2) Community, Regional, and Global Development (604C), and 3) Environmental Studies (604D)
- Undergraduate minor in Sustainable Development (294/03.0103)

For additional information, visit the website at www.sd.appstate.edu.

The Bachelor of Arts degree in Sustainable Development (603A/03.0103)

The general features of the Bachelor of Arts degree in Sustainable Development are: (1) a series of core courses that give all sustainable development majors a firm grounding in sustainable development theory, perspectives and methods; (2) a cohesive group of courses focusing on one career-oriented area; and (3) a minor in an area of the student's choice.

The program of study is available at: www.programsofstudy.appstate.edu/sustainable-development-ba-603a-2015-2016

The Bachelor of Science degree in Sustainable Development (604*/03.0103) with concentrations in Agroecology and Sustainable Agriculture (604B); Community, Regional, and Global Development (604C); and Environmental Studies (604D). The general features of the Bachelor of Science in Sustainable Development are: (1) a series of core courses that give all sustainable development majors a firm grounding in sustainable development theory, perspectives, and methods; (2) a set of three concentrations; and (3) a cohesive group of courses focusing on one career-oriented area.

Agroecology and Sustainable Agriculture Concentration (604B)

The program of study is available at: www.programsofstudy.appstate.edu/sustainable-development-bs-agroecology-and-sustainable-agriculture-604b-2015-2016

Community, Regional, and Global Development Concentration (604C)

The program of study is available at: www.programsofstudy.appstate.edu/sustainable-development-bs-community-regional-and-global-development-604c-2015-2016

Environmental Studies Concentration (604D)

The program of study is available at: www.programsofstudy.appstate.edu/sustainable-development-bs-environmental-studies-604d-2015-2016

Minor in Sustainable Development (294/03.0103)

The program of study is available at: www.programsofstudy.appstate.edu/sustainable-development-minor-294-2015-2016

Courses of Instruction in Sustainable Development (SD)

This catalog reflects fall and spring semester offerings. Go to www.summerschool.appstate.edu for courses offered in summer terms. (For an explanation of the prefixes used in the following courses, see the listing of Course Prefixes.)

SUSTAINABLE DEVELOPMENT (SD)

SD 2400. Principles of Sustainable Development (3).F;S.

GEN ED: Integrative Learning Experience (Theme: "Sustainability and Global Resources")

This course is the foundation course for students interested in pursuing a major or a minor in Sustainable Development. The course will introduce students to the concepts and history of "development," the origins of concerns about "sustainability," and the marriage of these two ideas in the contested notion of "sustainable development (SD)." From that basis, the course will then examine the understanding and use of SD principles in and from various disciplinary and multi/interdisciplinary perspectives.

SD 2500. Independent Study (1-4).F;S.

SD 2530-2549. Selected Topics (1-4).On Demand.

An opportunity to study a special topic or a combination of topics not otherwise provided for in the sustainable development curriculum. May be repeated for credit when content does not duplicate.

SD 2610. Science for Sustainability (3).F;S.

This course is an introduction to the study of the natural sciences as they can be applied to the concepts of sustainability. The basic principles of science studied include: energy; matter; ecology; population growth; carrying capacity; decreasing biodiversity; resource depletion; climate change; and chemical pollution of air, water, and soils. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

SD 2700. Development Theory and Practice (3).F.

This course provides an overview of major contemporary perspectives on development and underdevelopment, examined through the critical lens of sustainability. Applications to particular topics and alternative models are considered in terms of their effects on people and environment.

SD 2800. Environmental Justice and Sustainability (3).F.

This course is a study of relationships between the environmental justice movement and sustainable development. Working at the intersection of these fields, students will gain an understanding of an egalitarian conception of sustainable development known as "Just Sustainability." Students will examine the history of the "Just Sustainability" paradigm; critically analyze questions of race, class, gender, place, and labor as they relate to "Just Sustainability" and the stakeholder theory; and read, evaluate and create case studies.

SD 3100. Principles of Agroecology (3).F;S.

This course will focus attention on agricultural systems from an ecological perspective and how such systems can contribute to a more sustainable society. Topics covered in the class will include basic ecological concepts (i.e., the biological, chemical, and physical factors and their interactions) and their application to agricultural systems, production and consumption aspects of food systems, and will address ways to facilitate the promotion of sustainable agriculture.

SD 3125. Applied Farm Operations I (3).F;S.

This course is a field experience based on the Sustainable Development Teaching and Research farm. Students will be actively engaged in many aspects of a small, diversified farm operation from production through harvesting and marketing of vegetables, field crops, fruits and livestock, as well as maintenance and upkeep of farm infrastructure in order to learn the art and science of small scale sustainable, ecological agriculture. Prerequisite or corequisite: SD 3100. Open to Sustainable Development majors only.

SD 3150. Soil and Soil Fertility Management (4).F.

In sustainable agriculture, soil health and quality are recognized as key to producing bountiful and nutritious food. A thorough understanding of the nature, properties, and ecology of soil are therefore necessary to the design and management of agroecosystems in which the long-term fertility and productive capacity of the soil is maintained, or even improved. This understanding begins with knowledge of how soil is formed and includes integration of all biological, chemical and physical factors, as well as components that determine soil quality and contribute to the structure and function of the entire soil ecosystem. From this foundation, students will then study how to assess soil quality and how to develop appropriate soil and soil fertility management plans using organic production methods. Lecture three hours, laboratory two hours.

SD 3170. Permaculture Design (3).On Demand.

Permaculture is a design science using ethical and biophysical principles combined with scientific methods of observation of nature

to create systems that sustainably meet human needs while supporting relevant social, ecological, and economic infrastructures. In this course, students will explore permaculture philosophy and its relevance to the modern world system, while providing students with practical skills and tools to assess specific sites and create holistic designs suited to the objectives and needs of stakeholders. Prerequisite: SD 3100 or permission of the instructor. Lecture two hours, laboratory three hours.

SD 3200. Agroforestry and Farm Forestry Systems (3).On Demand.

Agroforestry has been defined by the World Agroforestry Center (2000) as “a dynamic, ecologically based management practice that integrates trees and other tall woody plants in the agricultural landscape to diversify production for increased social, economic and environmental benefits.” This course will focus on how the principles, complexity and diversity of agroforestry systems enhance land productivity and sustainability. The social and economic benefits of such systems for farmers, communities and society will also be discussed. Emphasis will be on temperate zone agroforestry systems, in particular those suitable for, or having potential for, north-west North Carolina. As these systems are much more extensive in (sub)tropical areas, agroforestry systems in those areas will also be briefly reviewed. The main emphasis of the course will be plant (crop) and soil aspects and component interactions, both above and below ground and from spatial and temporal perspectives. Prerequisite or corequisite: SD 3100.

SD 3250. Livestock Production and Management (3).F.

This course is a survey of the livestock industry, the supply of animal products, and their uses. A special emphasis is placed on the origin, characteristics, adaptation and contributions of farm animals to sustainable agriculture, managing productivity, and minimizing ecological impact of agricultural systems. Prerequisite or corequisite: SD 3100.

SD 3300. Farm Business Management (3).S.

This course introduces students to the principles and tools of managerial analysis and decision-making for the profitable operations of farms and farm-related businesses. Emphasis is given to planning, implementing, directing, organizing and controlling a farm business. Topics include financial statements; business analysis; budgeting; acquisition; organization and management of capital, labor, land, buildings and machinery; investment analysis of business-related improvements; and tax implications for management. Through case studies and real-world examples, students will learn to apply micro-economic and agricultural production theories, optimize allocation of resources and products, analyze resource shifts in agricultural production, as well as understand pricing and marketing issues of farm products. Economic concepts useful for management decisions will be reviewed and applied.

SD 3350. Contemporary Issues in Agriculture and Food (3).On Demand.

This course will analyze, reflect on, and evaluate current agricultural issues. Examples of probable issues include the industrialization of the agriculture/food system, water rights, sustainable/local/organic agriculture, world hunger and food aid, saving the family farm, food safety, foreign agricultural assistance, the future of farming and food systems, genetic engineering, and others. Alternative perspectives on the issues and policy implications will be discussed. Barring duplication of content, a student may repeat the course for a total of six credit hours.

SD 3375. Sustainable Economics and Community Development (3).S.

What does it mean for economies or development initiatives to be just and sustainable? How are communities around the world mobilizing to advance their own visions of just and sustainable economic development? And what are the prospects for creating alternative economies in today's world? This course provides the theoretical and practical tools needed to explore economic issues from the perspective of sustainable development. Students will examine multiple perspectives on sustainable development, engage critiques of development and sustainability, and analyze case studies of sustainable economic initiatives, alternate economies, and community development. Prerequisite: SD 2700.

SD 3450. Farmworkers (3).On Demand.

An interdisciplinary survey of the forces shaping contemporary farmwork and the lives of farmworkers in the United States, with particular attention to North Carolina. Topics include demographics, historical context, labor markets, agricultural structure and agribusiness, the global economy, immigration, health and occupational safety, legal issues, education, working conditions, and community and labor organizing.

SD 3500. Independent Study (1-4).F;S.

SD 3520. Instructional Assistance (1).F;S.

A supervised experience in the instructional process on the university level through direct participation in a classroom situation. Graded on an S/U basis. Prerequisite: junior or senior standing. May be repeated for a total credit of three semester hours.

SD 3530-3549. Selected Topics (1-4).On Demand.

An opportunity to study a special topic or a combination of topics not otherwise provided for in the sustainable development curriculum. May be repeated for credit when content does not duplicate.

SD 3600. Environmental Humanities (3).On Demand.

Humanity's relationship to the natural world is embedded in our cultures and manifested in such cultural constructions as philosophy, religion, aesthetics, literature, and the humanities in general. This course introduces students to a humanities-based study of nature and culture.

SD 3700. Environment and Development in the Global South (3).F.

This course will build an understanding of the connections and tensions between environmental changes and development in the global South, and will examine the ways that grassroots actors have responded to environment and development via social movements. Drawing on the insights of regional political economy and political ecology, this course will build a critical understanding of the connections, contradictions and consequences of development and environmental changes in the global South.

SD 3715. Literature and the Environment (3).F.

GEN ED: Literary Studies Designation; Liberal Studies Experience

An exploration of literature through the theoretical lens of ecocriticism; students will examine the ways environmental values and practices are expressed in literature. Class readings may be drawn from a particular literary period or national literature, may range across literary periods and national borders, or may be selected thematically. (Same as ENG 3715.)

SD 3750. Nature, Technology, and Environment (3).F.

This course is a targeted, in-depth, and critical analysis of technology as social production and construction with specific attention to its influence on sustainable development. This course explores the social relationships embodied in technological systems, the inter-relationships between technology and sustainable development, and relevant historical and contemporary examples. Prerequisite: TEC 2029.

SD 3800. Classics in Sustainable Development (3).F.

GEN ED: Junior Writing in the Discipline (WID)

An exploration of landmark texts in the field of sustainable development; whole books will be examined in their biographical, socio-historical, and critical contexts in order to deepen knowledge of significant voices in the discourse of sustainability. Prerequisites: RC 2001 or its equivalent, and junior standing or permission of the instructor.

SD 3900. Practicum in Sustainable Agriculture (3).SS.

This is a hands-on course focusing on the practice of sustainable agriculture. Students will engage agricultural systems from an ecological perspective, explore the biodiverse system of a natural working farm, and understand how such systems contribute to a more sustainable society. We will explore basic ecological concepts (i.e., biological, chemical, and physical factors and their interactions with plants and animals) and their application to agricultural systems, as well as the production and consumption aspects of food systems. Specific topics covered during group meeting sessions will include organic soil health, organic fertilization methods, animal husbandry, pest and disease management, methods to increase biodiversity in the agroecosystem, season extension, cover cropping, composting methods, and agroforestry, as well as marketing and community involvement. Independent work time at the Sustainable Development Teaching and Research Farm is integral to this course. Prerequisite: SD 3100.

SD 4100. Agroecology Practices, Systems, and Philosophies (3).S.

This course will provide an in-depth exploration of (1) the ethical and philosophical roots of conventional and alternative agriculture; and (2) the biological, economic and social aspects of different agricultural systems and practices developed in response to perceived shortcomings of conventional modern agriculture. Alternative practices and systems to be compared and contrasted in this course include nature farming, permaculture, biodynamic agriculture, biointensive gardening, and agroforestry (additional systems and practices may be added or substituted based on class interest and consensus). Prerequisite: SD 3100.

SD 4125. Applied Farm Operations II (3).F;S.

This is the second required course in the Applied Farm Operations sequence. This course is an advanced field experience at the Sustainable Development Teaching and Research Farm. Students will work as crew leaders on the farm, assisting with skills training and facilitating farm activities while increasing their knowledge of the art, science and management aspects of small scale sustainable, ecological agriculture. Open to Sustainable Development majors in the Agroecology and Sustainable Agriculture concentration only. Prerequisites: SD 3100 and SD 3125. Prerequisites or corequisites: SD 3150 and SD 3250.

SD 4200. Ecologically-Based Pest Management (4).SS.

Applied principles of ecologically-based Integrated Pest Management in agricultural, landscape and other environments. Cultural, biological, mechanical/physical, preventive, and organically approved chemical control methods will be featured, with an emphasis on practical ecosystem-based strategies that feature biologically-based controls as the cornerstone of ecological pest management. Prerequisite: SD 3100. Lecture three hours, laboratory two hours.

SD 4401. Applications in Sustainable Development (3).On Demand.

An intensive study of special problems, topics, or issues related to the implementation of sustainable development, with emphasis on the evaluation of real-world case studies. The subject matter of this course will vary and barring duplication of subject matter, a student may repeat the course for credit. Prerequisite: SD 2400 or SD 2700 or permission of instructor.

SD 4510. Thesis/Project (3).On Demand.

In this course, students will be required to complete a thesis/project that makes use of and integrates the material from the sustainable development core in relation to a significant issue in sustainable development. Students may either write a thesis or conduct a final project, which will be supervised by a member of the sustainable development faculty and read by another Appalachian State University faculty member in a field appropriate to the topic selected by the student. Prerequisite: student must get approval from an advisor of the Sustainable Development department prior to enrolling.

SD 4530-4549. Selected Topics (1-4).On Demand.

An opportunity to study a special topic or a combination of topics not otherwise provided for in the sustainable development curriculum. May be repeated for credit when content does not duplicate.

SD 4550. Senior Seminar (3).F;S.

GEN ED: Capstone Experience

Review, synthesis, reflection, and elaboration on aspects of sustainable development. Designed as a final on-campus opportunity for students to synthesize and integrate the theories and practices that inform sustainable development, to test their ideas in conversation, to connect their individual work with the work and ideas of others, and to examine career opportunities related to sustainability. Variable content. Ideally should be taken during the final semester of on-campus study. Required for majors. Prerequisite: Sustainable Development major with senior standing or permission of the instructor.

SD 4900. Internship/Practicum (1-9).F;S.

Supervised work in an appropriate field experience. A critical means to apply theoretical constructs, methods and techniques learned in the classroom to real-world settings. The practicum offers ways of acquiring practical work experience and it provides opportunities to engage in community organizations, non-governmental and governmental organizations, and businesses that seek to advance sustainability in specific ways. The internship/practicum may occur at the local, regional, state, national or international levels. The practicum is an important part of the program's commitment to sustainable development in the wider world. Prerequisite: student must get approval from an advisor of the Sustainable Development department prior to enrolling. Graded on an S/U basis.

SD 4910. Advanced Internship in Agroecology (3).On Demand.

An internship in a commercial setting, research laboratory, or research facility; or in a federal, state, or local government or non-government agency. Students will be expected to complete a significant project developed in conjunction with the cooperating outside facility or agency, will keep a daily journal of their internship experience, and will report the results of their internship in a public seminar as well as a written report. Prerequisites: SD 3900 and approval of the Sustainable Development advisor. Graded on an S/U basis.

Department of Sustainable Technology and the Built Environment (TEC)

R. Chad Everhart, Chair

Brian W. Raichle, Assistant Chair

Charles A. Debelius

Susan C. Doll

Jeremy C. Ferrell

Marie C. Hoepfl

James B. Houser

D. Jason Miller

Jeffrey E. Ramsdell

Jamie A. Russell

Dennis M. Scanlin

Brent Summerville

Jerianne S. Taylor

Jeffrey S. Tiller

Ok-Youn Yu

The Department of Sustainable Technology and the Built Environment has developed a reputation for teaching, research and development, and community service in the areas of green building practices, renewable energy, sustainability, and design for the human environment. The Department's mission is to advance and apply knowledge within the respective disciplines to address societal needs. This mission is accomplished by 1) educating and mentoring students to consider multiple points of view, to solve problems creatively, and to make meaningful contributions in their fields; 2) conducting innovative research, design, and creative activities; and 3) serving the local and global community through outreach, development, and leadership that improves the world in which we live.

The Department of Sustainable Technology and the Built Environment offers the following undergraduate degree programs:

Bachelor of Science degree in Building Sciences with concentrations in Architectural Technology and Design, Construction

Management, or Sustainable Building Systems

Bachelor of Science degree in Sustainable Technology

Bachelor of Science degree in Sustainable Technology (571A/15.0507)

The program of study is available at: www.programsofstudy.appstate.edu/sustainable-technology-bs-571a-2015-2016

Sustainable Technology reflects an approach to technological development, characterized by creative and sound engineering, that recognizes the social, environmental, political, economic, and technical aspects of a proposed technological solution to a problem facing a society. Generally, sustainable technologies are smaller-scale technologies that are ecologically and socially benign, affordable, and often powered by renewable energy. The field is an interdisciplinary one drawing from the physical and social sciences as well as from engineering, architecture, and technology. Areas of interest include energy conversion systems, waste and water management, community and shelter design, technology assessment, small-scale production systems, and technology transfer.

Bachelor of Science degree in Building Science (577*/52.2001) has three concentrations: Architectural Technology and Design, Construction Management, and Sustainable Building Systems. *Freshmen entering this program are required to have a laptop computer according to specifications described at:* www.tec.appstate.edu/students-computer-specifications

The Bachelor of Science degree in Building Sciences with a concentration in Architectural Technology and Design (577B)

The program of study is available at: www.programsofstudy.appstate.edu/building-sciences-bs-architectural-technology-and-design-577b-2015-2016

The Bachelor of Science degree in Building Sciences with a concentration in Construction Management (577C)

The program of study is available at: www.programsofstudy.appstate.edu/building-sciences-bs-construction-management-577c-2015-2016

The Bachelor of Science degree in Building Sciences with a concentration in Sustainable Building Systems (577D)

The program of study is available at: www.programsofstudy.appstate.edu/building-sciences-bs-sustainable-building-systems-577d-2015-2016

Minors in the Department of Sustainable Technology and the Built Environment

Students not majoring in the Department of Sustainable Technology and the Built Environment may earn one of the following minors:

Appropriate Technology Minor (544/15.0612)

The program of study is available at: www.programsofstudy.appstate.edu/appropriate-technology-minor-544-2015-2016

Building Science Minor (580/52.2001)

The program of study is available at: www.programsofstudy.appstate.edu/building-science-minor-580-2015-2016

Honors Program in Sustainable Technology and the Built Environment

The Department of Sustainable Technology and the Built Environment offers a 9 semester hour honors program composed of 6 semester hours of Sustainable Technology and the Built Environment honors courses (or honors contracts or graduate courses) and a 3 semester hour Sustainable Technology and the Built Environment honors thesis. To graduate with "Honors in Sustainable Technology and the Built Environment," a student must be a Sustainable Technology and the Built Environment major, maintain an overall GPA of 3.45, maintain an overall Sustainable Technology and the Built Environment GPA of 3.45, and earn a grade of no less than a "B" in any honors designated course.

Graduate Degrees in Sustainable Technology and the Built Environment

The Department of Sustainable Technology and the Built Environment offers the following graduate degree: a Master of Science degree in Technology with concentrations in Appropriate Technology, Building Science, Renewable Energy Engineering, and Sustainable Design and Construction. Persons interested in this degree are requested to consult the Graduate Bulletin for further information.

Courses of Instruction in Sustainable Technology and the Built Environment (TEC)

This catalog reflects fall and spring semester offerings. Go to www.summerschool.appstate.edu for courses offered in summer terms. (For an explanation of the prefixes used in the following courses, see the listing of Course Prefixes.)

TECHNOLOGY (TEC)

TEC 1017. Communications Technology (3).S.

An introduction to the study of communication systems, including: electronic data communications; technical drawing and CADD; optics; graphic production techniques; photography; audio; and video. Classroom presentations and activities will emphasize the design, use and impacts of communication technologies. Lecture two hours, laboratory two hours.

TEC 1023. Introduction to Electronics (3).On Demand.

An introduction to electrical and electronic circuits. Topics included are Ohm's law, Kirchoff's laws, power, DC circuits, network theorems, and an introduction to AC circuits and commonly used electronic components. Theory is reinforced by experiments employing power supplies, circuit components, analog and digital meters, and the oscilloscope. Lecture two hours, laboratory two hours. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

TEC 1123. AC/DC Circuit Analysis (3). On Demand.

An introduction to capacitance, magnetic circuits, inductance and AC circuit analysis methods. Topics included are transient behavior of currents and voltages, electric and magnetic fields, magnetic circuits, AC circuit analysis, resonance, and network theorems. Theory is reinforced by experiments employing signal generators, resistive and reactive circuit components, meters, and the oscilloscope. Lecture two hours, laboratory two hours. Prerequisite: TEC 1023. Prerequisite or corequisite: MAT 1110. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

TEC 1708. Construction Technology and Building Codes (3).F;S.

This course provides students with an introduction to the construction process, building materials and designs, management issues, and building codes. Emphasis is given to contemporary trends in residential and commercial construction, with considerable focus on different building types, energy efficient and high performance buildings and building codes. The course includes a lab in which students are introduced to construction management techniques and participate in hands-on construction activities.

TEC 1728. Architectural Graphics and Computer Modeling (3).F;S.

Fundamentals of architectural graphics including basics of construction, sketching, architectural drafting conventions, CAD techniques, BIM techniques, pictorial drawing, dimensions, sections, and working drawings. Selected assignments from this course will be appropriate for inclusion in student portfolios. Lecture two hours, laboratory two hours. Prerequisite or corequisite: TEC 1708 (Construction Technology and Building Codes).

TEC 2012. Production Techniques in Graphic Arts (3). On Demand.

Theory and application of different production techniques in photo offset lithography and auxiliary areas. The course will operate in the same manner as a commercial print shop. Lecture one hour, laboratory four hours.

TEC 2029. Society and Technology (3).F;S.

GEN ED: Social Science Designation; Integrative Learning Experience (Theme: "Sustainability and Global Resources")

This course is designed to provide students with an understanding of the symbiotic relationship between technology and society. Examples of these relationships will be taken from historical accounts and from analyses of contemporary societies both in industrialized and non-industrialized countries. Lecture three hours.

TEC 2043. Introductory Digital Electronics (3). On Demand.

An introduction to number systems and codes, Boolean algebra and combinational logic circuits, integrated circuits and logic families, flip-flops, computing circuits, counters and registers. Topics included are switching function reduction and Karnaugh maps, integrated circuit specifications, circuit analysis, logic circuit and sequential machine design. Theory is reinforced by laboratory experiments where logic circuits, sequential machines, etc. are constructed and evaluated. Lecture two hours, laboratory two hours. Prerequisite: TEC 1023. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

TEC 2108. Introduction to Power and Energy Technology (3). On Demand.

An introduction to the study of sources, conversion, controlling, transmitting, and using power and energy. Emphasis will be placed on external, internal and electrical power and energy converters. Lecture two hours, laboratory two hours.

TEC 2113. Advanced Digital Photography (3).F;S.

This course covers advanced digital photographic processes which may include: control systems for exposure, capture, editing, color profiling, calibration, and image presentation. Students will gain advanced digital image editing skills and workflow methodology. Prerequisite: TEC 2022 or permission of the instructor. Lecture two hours, laboratory two hours.

TEC 2188. Transportation Systems and Devices (3).F.

A study of the history and development of transportation systems and devices and the impact of transportation technologies on society. The student will explore the function, characteristics and structure of land, air, water and space transportation systems. Lecture two hours, laboratory two hours.

TEC 2500. Independent Study (1-4).F;S.

Approved contract is required.

TEC 2601. Energy Issues and Technology (3).F;S.

GEN ED: Liberal Studies Experience

This course will explore the various forms of energy and will examine the complete range of energy conversion systems existing in the world today. Students will examine energy resources, their economic and environmental impacts, and technologies used to exploit them. The course consists of three major sections: principles of power and energy, conventional energy resources, and renewable energy resources. Lecture three hours.

TEC 2718. Building Mechanical Systems (3).F;S.

This course introduces students to the design and installation of the mechanical systems in buildings - water supply and waste (plumbing); electrical; and heating, ventilation and air conditioning (HVAC). The course combines lectures on the theory, practice, drawing methods, and building codes related to these systems with hands-on procedures. Lecture two hours, laboratory two hours.

TEC 2758. Surveying, Soils and Foundations (3).F;S.

This course covers construction from initial site investigation through foundations. Key topics include: soils, soil testing, structural foundation design, surveying, site layout, site plans, and foundation construction. Prerequisite: MAT 1025.

TEC 2803. Introduction to Industrial Applications of Computers (3). On Demand.

An introduction to industrial applications of mainframe and microcomputers; to include BASIC programming, an overview of machine codes, input/output devices, and common industrial applications such as computer-aided drafting (CAD) and computer-aided manufacturing (CAM). Lecture two hours, laboratory two hours.

TEC 3007. Fundamentals of Computer Numerical Control (3). On Demand.

Underlying concepts, activities and processes used in Computer Numerical Control/Computer Aided Manufacturing. Students will use microcomputers, CAD, CNC, and CAM software to program and operate various machines used in manufacturing, as well as utilize computers for other operations necessary for a computer integrated manufacturing environment. Lecture two hours, laboratory two hours.

TEC 3009. Introduction to the Technology Teaching Profession (3).F.

GEN ED: Junior Writing in the Discipline (WID)

An introduction to the career and technology education curriculum, as well as the professional roles and responsibilities of Technology Education and Trade and Industry teachers. Course expectations include lab activities related to career and/or technology education curriculum in North Carolina, interviews with master teachers, and field experiences in regional Career and Technical classrooms at the middle and high school levels. Prerequisite or corequisite: TEC 2029. Prerequisite: RC 2001 or its equivalent.

TEC 3013. Electronic Communications (3). On Demand.

A study of modern electronic communications systems. Topics included are the representation of information by electronic signals,

encoding, modulation, multiplexing, bandwidth and the transmission and reception of signals. Additionally, an introduction to communications media, modern networking, protocols, etc. is presented. Theory is reinforced by laboratory experiments. Lecture two hours, laboratory two hours. Prerequisite: TEC 1023.

TEC 3035. Architectural Field Study (1-3).On Demand.

Travel, tours, and study of areas of interest within the architecture profession. Metropolitan areas, historic building sites, design firms, and museums are typical destinations. Attendance and overnight stays are required. Graded on an S/U basis. Prerequisite: TEC 3728 or permission of the instructor.

TEC 3036. Construction Management Field Study (1-3).On Demand.

Travel, tours, and study of areas of interest within the construction industry. Conferences, large construction sites, and construction firms are typical destinations. Attendance and overnight stays are required. Graded on an S/U basis. Prerequisite: TEC 3728 or permission of the instructor.

TEC 3037. Sustainable Building Systems Field Study (1-3).On Demand.

Travel, tours, and study of areas of interest within the building performance industry. Conferences, buildings for field research, and building performance firms are typical destinations. Attendance and overnight stays are required. Graded on an S/U basis. Prerequisite: TEC 3728 or permission of the instructor.

TEC 3038. Commercial Construction Technology (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

This course introduces students to the technical, economic and managerial aspects of the commercial and industrial construction industries. Primary emphasis is on the equipment, materials, and construction processes used in commercial construction. Lecture three hours. Prerequisites: RC 2001 or its equivalent, MAT 1025, TEC 1708, and TEC 2758.

TEC 3039. Materials Science (3).F;S.

An in-depth study of the structure, characteristics, analysis, and application of modern engineering materials, with an emphasis on the processing/structure/properties/performance interrelationship. Topics include atomic structure and bonding, crystal structure and imperfections, solidification, mechanical properties, strengthening mechanisms, failure analysis, phase diagrams, heat treatment, corrosion and degradation, and materials characterization techniques.

TEC 3053. Electronic Troubleshooting Techniques (3). On Demand.

A study of the methods used to locate faulty components and other sources of equipment failure in modern electronic systems. Topics included are functional analysis, diagnostics, performance verification, and repair methods. Lecture two hours, laboratory two hours. Prerequisite: TEC 2043.

TEC 3111. Portfolio Development (3).F;S.

As students prepare for careers in a design field they should be aware of the importance of having a strong portfolio when looking for a job. The portfolio is one of the primary means of communication to show what one can do, and how one thinks or goes about solving a problem. This course will lead the students into the process of building their portfolios to a level that will allow them to be able to begin to compete for the jobs that are out there.

TEC 3113. Administering Desktop Operating Systems (3). On Demand.

This course provides students with experience in installation, configuration, troubleshooting, and administration of desktop operating systems. A wide variety of topics will be covered, including: installation techniques, storage management, hardware, security, and printers. Lecture two hours, laboratory two hours. Prerequisite: TEC 2803.

TEC 3133. Server Based Operating Systems (3). On Demand.

This course provides students with experience in installation, configuration, troubleshooting, and administration of server based operating systems. A wide variety of topics will be covered, including: storage management, network hardware, network protocols, and network printers. Lecture two hours, laboratory two hours.

TEC 3153. Advanced Electronic Troubleshooting Techniques (3). On Demand.

This course is a continuation of TEC 3053, Electronic Troubleshooting Techniques. A study of the methods used to locate faulty components and other sources of equipment failure in modern electronic systems. Topics included are functional analysis, diagnostic, performance verification, and repair methods. Lecture two hours, laboratory two hours. Prerequisite: TEC 3053.

TEC 3500. Independent Study (1-4).F;S.

Approved contract is required.

TEC 3520. Instructional Assistance (1).F;S.

A supervised experience in the instructional process on the university level through direct participation in a classroom situation. Graded on an S/U basis. Prerequisite: junior or senior standing. May be repeated for a total credit of three semester hours. Approved contract is required.

TEC 3530–3549. Selected Topics (1–4). On Demand.

TEC 3604. Sustainable Transportation (3).F;S.

This course will introduce students to emerging technologies and strategies for creating sustainable transportation systems. Specific topics may include: public transportation strategies, bicycle technologies, electric vehicles, energy efficient transportation options, and alternative fuels such as biodiesel, alcohol, natural gas, and hydrogen. The environmental, social, economic, and technological aspects of these options will be explored. Students will complete a significant independent project. Lecture three hours. Prerequisites: TEC 2601 and TEC 3638, or permission of the instructor.

TEC 3605. Sustainable Resource Management (3).F.

This course will introduce students to material efficiency strategies, recycling, composting, and the concept of life cycle design. A range of resource management philosophies, technologies and techniques will be discussed and analyzed. Students will complete a significant independent project. Lecture three hours. Prerequisite: TEC 2029 or permission of the instructor.

TEC 3606. Sustainable Water and Wastewater Technology (3).S.

This course will introduce students to both traditional and alternative water and wastewater treatment methods and technologies. Students will study how to analyze the water cycle and how to develop water management strategies which are both economically and environmentally sustainable. Topics may include water availability, water quality and purification techniques, water quality assessment, water pumping, efficiency, grey water, composting toilets, "living machines", and water policy. Students will complete a significant independent project. Lecture three hours. Prerequisite: TEC 2029 or permission of the instructor.

TEC 3607. Electro/Mechanical Systems (3).On Demand.

A study of mechanical systems and controls used in industry today. Basic mechanical, electrical, hydraulic, and pneumatic systems and their components will be included in the classroom activities. Lecture two hours, laboratory two hours.

TEC 3638. Foundations of Appropriate Technology (3).F;S.

GEN ED: Junior Writing in the Discipline (WID)

This course will explore through writing current topics in the appropriate technology field. Assignments will involve writing with feedback. Topics for writing assignments may include technical reports, white papers, system documentation, opinion pieces, summaries, literature reviews, experimental methods, and data analyses. The APA format will be stressed. Lecture three hours. Prerequisites: TEC 2029 and TEC 2601, or permission of the instructor, and RC 2001 or its equivalent.

TEC 3718. Construction Estimating (3).F;S.

This course provides students with the opportunity to explore and develop estimating skills used in the construction industry. Course material includes estimating unit costs of building components, quantity take-offs, and preparation of an overall project bid. Students prepare estimates using self-developed computer spreadsheets and are exposed to commercially available estimating software. Prerequisites: MAT 1025 or higher, TEC 1708, TEC 3038, and basic knowledge of computer word processing, Internet procedures, and spreadsheets. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

TEC 3728. Architectural Design Studio I (3).F;S.

This course will introduce students to the basic concepts of architectural design and some of the most important architects in recent history. The course will present the tools, processes, graphic conventions, and standards used in the design and construction of buildings. As a final project, students will design a building and prepare computerized construction drawings. Lecture two hours, studio two hours. Prerequisites: TEC 1708 and TEC 1728, or permission of the instructor.

TEC 3738. Statics and Strength of Structures (3).F;S.

This course utilizes a practical approach to introduce students to the principles and physical concepts of statics and strength of materials related to construction. Statics is the study of bodies and forces in equilibrium. The study of bridge types, trusses, and other structures will be integrated into the coursework in order to provide a practical framework for the subject matter. Lecture two hours, laboratory two hours. Prerequisites: MAT 1025, PHY 1103, TEC 1708, TEC 1728, TEC 2758, and TEC 3039.

TEC 3748. Building Science (3).F;S.

This course introduces students to the complex ways in which buildings interact with their environment. Topics may include indoor air quality, building durability, energy efficiency, and client comfort. Students will use building diagnostic equipment to test for

house and duct leakage, indoor air quality, humidity, and air flow. The course also emphasizes interpreting and translating these findings into concise summaries as well as comprehensive written reports. Lecture two hours, laboratory two hours. Prerequisites: TEC 1708 and TEC 2718, MAT 1020 or higher, or permission of the instructor. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.)

TEC 3758. Architectural Design Studio II (3).S.

This is an advanced level course exploring the broad field of architectural building design. It investigates form, space, tectonics, and details of buildings. Students have the opportunity to learn a variety of design development techniques, including manual drafting, sketching and rendering, computer software, and physical model building. Required course projects include presentation drawings, construction drawings, renderings, and models. Lecture two hours, studio two hours. Prerequisite: TEC 3728.

TEC 3803. Network Administration (3). On Demand.

Students in this course will study basic strategies to manage, monitor, configure, and troubleshoot network services. Data security and integrity, and user management will be the main emphasis of the discussions. Lecture two hours, laboratory two hours. Prerequisite: TEC 3133.

TEC 3807. Construction Safety (1).On Demand.

A comprehensive coverage of occupational safety and health based upon OSHA standards. Students will be required to satisfactorily complete the OSHA 10 hour Construction course and must provide a certificate of completion. Graded on an S/U basis.

TEC 3900. Industry Internship (1–3).On Demand.

Field experience or employment in the area of the student's interest. Prerequisite: 16 hours of coursework in the major must be completed. Graded on an S/U basis. (Hours requirement for one credit hour is 160 hours, with 80 hours required for each additional credit.)

TEC 4093. Senior Design and Fabrication Project (3).On Demand.

A course in research and development of electronic systems. System design and integration will be emphasized. With the guidance of the instructor, students will identify a need, and develop an appropriate design. The design will be implemented and evaluated using modern components and subsystems. Lecture two hours, laboratory two hours. Prerequisite: TEC 3803.

TEC 4103. Leadership in Technical Settings (3).F;S.

This course provides an introduction to the nature of leadership in technical settings. Special emphasis is on behavior of individuals and groups in organizations. Students will begin to develop their own views of leadership based on theory, research, and experience. Lecture three hours.

TEC 4407. Production Planning and Control (3).On Demand.

An applied study of process planning and production control systems used in modern manufacturing. To include such topics as: production planning, automation, time and motion study, order control, flow control and quality control, and plant layout. Lecture two hours, laboratory two hours.

TEC 4510. Senior Honors Thesis (1-3). On Demand.

Independent study and research. Honors thesis directed by a member of the Department of Technology & Environmental Design. Co- or prerequisites: completion of 6 semester hours of departmental honors work and permission of the departmental honors coordinator.

TEC 4572. Production Management (3). On Demand.

Practical management techniques and experience in the areas of sales, finance and high, middle, and lower level personnel management in an active printing production facility. This course will be taught concurrently with TEC 2012 Production Techniques in Graphic Arts. Lecture one hour, laboratory four hours. Prerequisite: TEC 2012.

TEC 4573. Control System Technology (3). On Demand.

A detailed study of the architecture of modern programmable control systems. The course will include computation, machine representation of information, storage structures, buses, input/output interfacing, peripheral devices, and instruction codes. Theory to be reinforced by hands on experience. Some theory and practical experience in Programmable Logic Controllers (PLC) will be introduced. Lecture two hours, laboratory two hours. [Dual-listed with TEC 5573.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

TEC 4607. Wind and Hydro Power Technology (3).F;S.

This course will introduce students to the basic concepts, tools, techniques and materials needed to design and construct systems that convert wind and hydro resources into electricity. Students will study how to measure these renewable resources and to estimate the power that could be produced from them. They will also have the opportunity to learn how to design and construct complete

renewable electricity systems and become familiar with many contemporary products used in renewable electricity systems. The course will include classroom and "hands-on" design, construction and possibly some field trip experiences outside of class. Lecture two hours, laboratory two hours. Prerequisites: TEC 1708, TEC 1728, TEC 2029, TEC 2601, TEC 2718, and TEC 3638 or permission of the instructor. [Dual-listed with TEC 5607.] Dual-listed courses require senior standing.

TEC 4608. Photovoltaic System Design and Construction (3).F;S.

This course will introduce students to the basic concepts, tools, techniques and materials needed to design and construct systems that convert solar resources into electricity with photovoltaic (PV) technologies. Students will study how to assess the solar resources available at a particular site and how that information can be used to properly design PV systems. They will also have the opportunity to learn how to design and construct complete code compliant photovoltaic systems and become familiar with contemporary trends and products. The course will include classroom and "hands-on" design, construction and possibly some field trip experiences outside of class. Lecture two hours, laboratory two hours. Prerequisites: TEC 1708, TEC 1728, TEC 2029, TEC 2601, TEC 2718, and TEC 3638 or permission of the instructor. [Dual-listed with TEC 5608.] Dual-listed courses require senior standing.

TEC 4618. Sustainable Building Design and Construction (3).F;S.

This course introduces students to the concepts and best practices related to sustainable building design and construction. Course topics include green building certification programs, sustainable building design software, high performance construction practices, resource efficient material selection, sustainable site planning, water efficiency, indoor air quality, and passive solar design. The course also explores a variety of unconventional building techniques and building materials such as straw bale, adobe, cob, and geodesics. Other topics discussed include sustainable community design, low impact development, composting, recycling, and grey water systems. Prerequisites: TEC 1708 and TEC 2718 or permission of the instructor. [Dual-listed with TEC 5618.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

TEC 4619. Curriculum Development in Career and Technology Education (3).SS.

Planning and development of teacher- and student-directed activities that align with state curriculum models. Students will create instructional videos and a variety of computer-generated instructional materials for use in technology education and other career and technical education programs. Emphasis is also placed on assessment strategies and on locating, evaluating, and revising existing instructional materials including computer-based materials. Lecture three hours. [Dual-listed with TEC 5619.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

TEC 4628. Solar Thermal Energy Technology (3).F;S.

This course will introduce students to the basic concepts, tools, materials and techniques needed to convert solar energy into heat. Specific technologies to be studied include solar cookers, solar dryers, solar water heaters, solar water pasteurization/distillation, solar greenhouses/coldframes, and some house heating systems. Students should develop skills in the use of tools, materials, and processes which effectively and efficiently capture and convert the sun's energy into thermal energy. The course will include traditional classroom and "hands on" design, construction and testing activities. Lecture two hours, laboratory two hours. Prerequisites: TEC 1708, TEC 1728, TEC 2029, TEC 2601, TEC 2718, and TEC 3638 or permission of the instructor. [Dual-listed with TEC 5628.] Dual-listed courses require senior standing.

TEC 4629. Organization and Management of Career and Technology Education (3).S.

Instruction and laboratory experiences in the organization and management of technology education programs, including: selection and sources of equipment and supplies; facility planning; safety organization and management concerns; scheduling; student evaluation; and discipline. Computer applications incorporated throughout. Lecture three hours. [Dual-listed with TEC 5629.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

TEC 4638. Contemporary Problems in Appropriate Technology (3).F;S.

GEN ED: Capstone Experience

This course is designed to provide students with an overview of contemporary problems facing the Appropriate Technology movement such as affordable and efficient alternative energy systems, small scale production systems, waste management and recycling, bioregional development, community and shelter design and technology transfer methodology. Each student will have the opportunity to explore in-depth a problem of their choosing and will be given guidance in the identification, definition and analysis of their chosen problem. Both library research and prototype or model construction will be required. Lecture two hours, laboratory two hours. Prerequisite: TEC 4608 or permission of the instructor.

TEC 4639. Career and Technical Student Organizations (3).S.

An in-depth study of career and technical student organizations (CTSOs) and how to organize and manage a local chapter. Related activities such as service learning, establishing an advisory board, and career planning will also be covered. Lecture three hours. [Dual-listed with TEC 5639.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

TEC 4649. Cooperative Vocational and Industrial Education (3).On Demand.

Organization and administration of a cooperative program for vocational or interdisciplinary areas. Included are locating and maintaining training stations and developing training plans. Lecture three hours.

TEC 4660. Instructional Strategies in Career and Technology Education (3).F.

The study of instructional strategies appropriate for use in trade and industry (grades 9-12) and technology education (grades K-12) classrooms. Class discussions will focus on learning theory, design-based instruction, and standards-based instructional planning. Students will prepare lesson plans, prepare and deliver presentations and demonstrations, and engage in K-12 classroom-based observations. Lecture three hours. [Dual-listed with TEC 5660.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

TEC 4667. Housing and Home Furnishings Seminar (1).On Demand.

A seminar structured to prepare managers and leaders for careers in industry with emphasis on home furnishings, construction, and design. A highly interactive, open course with limited enrollment and guest speakers. Two-hour seminar, one day per week. The course includes an all day trip to the High Point furniture market. Graded on an S/U basis.

TEC 4700. Biofuels Technology (3).F;S.

An examination of evolving biofuel technologies such as biodiesel, alcohol, cellulose products, and methane which are being developed to displace depleting fossil fuels (diesel, gasoline, natural gas, and coal). This course will introduce students to the basic concepts, tools, techniques, and materials needed to assess, design, and construct biofuels technology systems. Coursework will include multimedia presentations, lectures, discussions, films, field trips, homework, guest-speakers, and laboratory activities. Topics include: internal combustion engine technology, biodiesel chemistry and physical properties, combined heat-power systems, materials compatibility, by-products, closed-loop designs, energy balance, life cycle assessment, ASTM specifications, fuel analysis, feedstocks, biofuels and agriculture, biofuels in developing countries, ethanol, cellulosic ethanol, biogas and landfill gas, and eco-industrial models. Lecture two hours, laboratory two hours. Prerequisite: TEC 3638, or permission of the instructor. [Dual-listed with TEC 5700.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

TEC 4711. Computer Modeling of Renewable Energy Systems (3).F;S.

This course will introduce students to a variety of software packages for modeling the performance of renewable energy systems, and will help them develop proficiency in their use. Software packages may include Excel, FChart, PVFChart, BLCC, HOMER, WindCAD, RETScreen, and ARCSReader. Students will study how to predict the performance of a variety of solar heating technologies, photovoltaics, wind turbines, and solar house designs. The economics and environmental benefits of renewable energy systems will also be explored. File formats and memory allocation schemes, as they relate to understanding data storage, will be discussed. Effective problem solving skills will be emphasized throughout the course. Lecture two hours, laboratory two hours. Prerequisite: TEC 3638 or permission of the instructor. [Dual-listed with TEC 5711.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

TEC 4718. Construction Management (3).On Demand.

This course introduces students to the mechanics of managing construction projects and personnel. Organizational structures, required licenses, codes, permits, safety requirements, personnel management, customer relations, scheduling, accounting, insurance, and financing are addressed. Special attention is given to the use of computer software, such as spreadsheets and scheduling programs, for construction management activities. Prerequisites: MAT 1025 or higher, TEC 1708, TEC 2718, TEC 3038, TEC 3718, and basic knowledge of computer word processing, Internet procedures, and spreadsheets. (ND Prerequisite: passing the math placement test or successful completion of MAT 0010.) [Dual-listed with TEC 5718.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

TEC 4738. Architectural Design Studio III (4).F.

This course builds on previous courses in construction technology and architectural design to demonstrate to the student how to integrate the myriad aspects of architecture - from art to environment to materials to spaces to construction - into successful building designs. The course stresses application of design fundamentals to building design, but emphasizes the key elements of buildability, efficiency, durability and indoor air quality. Lecture two hours, laboratory four hours. Prerequisites: TEC 3748 and TEC 3758.

TEC 4748. Architectural Design Studio IV (4).S.

This course serves as the capstone course for the major in Building Sciences with a concentration in Architectural Technology and Design. The course proceeds through the entire architectural design process during the semester, culminating in the design of a structurally sound, efficient, durable, high performance building that meets all relevant building codes. Lecture two hours, laboratory four hours. Prerequisites: TEC 3038, TEC 3718, TEC 3738, and TEC 4738. Corequisite: TEC 4718.

TEC 4758. Planning and Scheduling (3).F;S.

This course introduces students to the complex process of planning for construction projects. The course covers project planning and scheduling, determining and leveling project resources, estimating, budgeting, and cost control for construction projects. Special attention will be given to the use of specialized scheduling software for construction management activities. Prerequisites: MAT 1025 or higher, TEC 1708, TEC 2718, TEC 3038, and TEC 3718. [Dual-listed with TEC 5758.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

TEC 4768. Construction Administration (3).F;S.

This course is an in-depth study of the administrative aspects of construction projects. Topics covered include organizational structures, required licenses, taxes, codes, permits, safety requirements, personnel management, customer relations, value engineering, insurance, accounting, and financing. Prerequisites: MAT 1025 or higher, TEC 1708, TEC 2718, TEC 3038, and TEC 3718.

TEC 4778. Integration of Building Design and Construction Management (3).F;S.

This is an advanced level course exploring the broad field of how architectural building design, engineering, and construction management interface with one another. It investigates Integrated Project Delivery methods using Computer-aided Drafting and Design (CADD), Building Information Modeling (BIM) and physical model building. Required course projects include a full set of construction drawings, cost estimates, project planning, and scheduling. Lecture two hours, laboratory two hours. Prerequisites: TEC 3718, TEC 3728, TEC 3738. Corequisite: TEC 4758.

TEC 4788. Integration of Energy and Building Systems (3).F;S.

This course is an advanced study of the physical principles behind the interaction of both residential and commercial buildings with the environment, including the performance of heating, cooling, ventilation, and humidity control systems. Traditional, high performance, and emerging technologies and practices are studied in the context of energy efficiency. Load calculations, system specification, and system integration are explored using the latest building information modeling (BIM) software tools. Lecture two hours, laboratory two hours. Prerequisites: TEC 3718, TEC 3728, TEC 3748, TEC 4618.

TEC 4900. Internship (3-12).F;S.

GEN ED: Capstone Experience

Graded on an S/U basis.

TEC 4910. Practicum in the Career and Technology Education Classroom (1).F;S.

Prospective technology education teachers are introduced to technology education classrooms and school communities through field experiences in secondary schools. Observation, participation, and teaching experiences ranging from individual to large group settings are included. Reflection, analysis, and discussions of practicum experiences are integrated into regularly scheduled seminars. Students will complete inquiry projects and participate in interdisciplinary teaming while developing rapport with technology education students and examining the context of effective technology education learning environments. This course provides experiential learning through both field experiences and weekly lectures. Prerequisite or corequisite: TEC 4660. Graded on an S/U basis.

Department of Theatre and Dance (TD)

Kevin Warner, Chair

Marianne Adams

Lauren E. Atkins

Emily Daughtridge

Derek S. Davidson

Derek P. Gagnier

Cara H. Gelber

Regina Gulick-James

Michael L. Helms

Gordon A. Hensley

Rebecca J. Keeter

Teresa E. Lee

Susan W. Lutz

Martha A. Marking

Keith T. Martin

John T. Marty

Paulette J. Marty

Ray Miller

Sherone D. Price

Kin-Yan E. Szeto

Anna G. Ward

Joel W. Williams

Sue S. Williams

The Department of Theatre and Dance prepares students to pursue paths that may include professional careers in the performing arts, graduate school, teacher certification in theatre, or avocational interests in theatre and dance. Classroom learning is enhanced by the department's commitment to an active co-curricular performance/production program that features the creative work of faculty and students. New and published works are created in the Appalachian Dance Ensemble, the Appalachian Young People's Touring Theatre, the University Theatre, and interdisciplinary collaborations within the university and surrounding communities.

The department strives to maintain working relationships with professional performing groups and organizations providing students with opportunities for internships and creative collaborations. The department encourages development of student leadership and service by actively supporting student organizations including Momentum, Playcrafters, Alpha Psi Omega, the Musical Theatre Club, the Appalachian Consortium of Theatre Teachers, and the ASU Chapter of the United States Institute of Theatre Technology.

The Bachelor of Arts degree in Dance Studies (581A/50.0301)

The program of study is available at: www.programsofstudy.appstate.edu/dance-studies-ba-581a-2015-2016

The Bachelor of Arts degree in Theatre Arts (591*/50.0501)

For the Bachelor of Arts in Theatre Arts, students must select one of the following concentrations:

General Theatre concentration (591B)

The program of study is available at: www.programsofstudy.appstate.edu/theatre-arts-ba-general-theatre-591b-2015-2016

Performance concentration (591C)

The program of study is available at: www.programsofstudy.appstate.edu/theatre-arts-ba-performance-591c-2015-2016

Theatre Design/Technology concentration (591D)

The program of study is available at: www.programsofstudy.appstate.edu/theatre-arts-ba-theatre-designtechnology-591d-2015-2016

Theatre Education concentration (591E)[T]

The program of study is available at: www.programsofstudy.appstate.edu/theatre-arts-ba-theatre-education-591e-2015-2016

Admission and Requirements for the BA degrees in the Department of Theatre and Dance

1. The Bachelor of Arts degree in Dance Studies is open to any student who has been admitted to Appalachian State University. An overall GPA of 2.5 is required in the major.
2. The Bachelor of Arts degree in Theatre Arts with a concentration in General Theatre is open to any student who has been admitted to Appalachian State University. An overall 2.0 GPA is required in the major.
3. The Bachelor of Arts degree in Theatre Education is open to any student who has been admitted to Appalachian State University. An overall GPA of 2.0 is required in the major; a cumulative GPA of 2.5 is required for teacher licensure.
4. The Bachelor of Arts degree in Theatre Arts with a concentration in Performance is open to students who have successfully interviewed with the performance faculty. A current performance resume, an 8x10 headshot, and a brief written statement expressing performance major goals are required for the interview. The student may be asked to perform a two-minute audition if the performance faculty is not familiar with the student's acting work. The student may receive no grade lower than a "B-" in any performance course in the major in order to continue in the program. The student must pass a juried audition and interview at the end of each year to determine the student's ability to successfully continue in the Performance concentration.
5. The Bachelor of Arts degree in Theatre Arts with a concentration in Theatre Design/Technology is open to students through an interview with the design/technology faculty. Once admitted to Appalachian or during the first year of residence, the student should fill out an application form and submit it along with a current production resume. The student will be asked to present a design and/or technical portfolio. In order to continue in the program, the student must maintain a minimum overall GPA of 2.7 in the (*) designated major courses as noted on the program of study for this concentration. The student must participate in a portfolio review and interview each year to evaluate the student's ability to continue successfully in the Theatre Design/

Technology concentration.

A minor in Dance (515/50.0301) (17-18 semester hours)

The program of study is available at: www.programsofstudy.appstate.edu/dance-minor-515-2015-2016

A minor in Theatre Arts (586/50.0501) (17-18 semester hours)

The program of study is available at: www.programsofstudy.appstate.edu/theatre-arts-minor-586-2015-2016

Honors Program in Dance Studies

The Department of Theatre and Dance provides the opportunity for highly qualified students to graduate with honors in Dance Studies. Applicants for the departmental honors program must have completed 30 semester hours including 6 semester hours in Dance Studies with an overall GPA of 3.45. Admission into the Dance Studies honors program is by application to, and recommendation of, the departmental honors committee. Space in the track is limited, and not all students meeting the application criteria may be accepted into the track.

In order to graduate with honors in Dance Studies, a student must maintain an overall GPA and a GPA in Dance Studies courses of 3.5 or better. The student must satisfactorily complete an honors contract (made between the student and the professor teaching the course) in the two of the following courses: DAN 3430, 3435, 4460, 4480, 4870 or other approved DAN course(s) at the 3000 or 4000 level. Additionally, all Dance Studies honors students must complete DAN 4510, an honors thesis/project. The honors thesis/project must include the primary dance studies professor and a secondary professor from outside the department as a secondary advisor. An honors student must make a grade of no less than "B" in any of their selected nine semester hours of departmental Honors-designated courses.

Note: The honors program in Dance Studies requires a minimum of three semesters to complete. Honors courses in Dance Studies are not offered during summer sessions.

Courses of Instruction in Dance (DAN) and Theatre (THR)

This catalog reflects fall and spring semester offerings. Go to www.summerschool.appstate.edu for courses offered in summer terms. (For an explanation of the prefixes used in the following courses, see the listing of Course Prefixes.)

DANCE (DAN)

DAN 1400. Modern Dance I (2).F;S.

GEN ED: Wellness Literacy

An introduction to modern dance as an art form with the beginning practice of movement technique. Emphasis will be on the discovery of skills to develop the articulation and expressiveness of the body. The course will be an introduction to the medium of modern dance through the concepts of time, space, force and direction while integrating alignment and placement. Historical perspectives as well as aesthetic values will be covered. May be repeated one time for credit.

DAN 1410. Beginning Ballet I (2).F;S.

GEN ED: Wellness Literacy

A beginning study of the art of classical ballet with emphasis on basic vocabulary, alignment/placement, classical historical traditions and basic combinations of movement. May be repeated one time for credit.

DAN 1420. Jazz I (2).F.

GEN ED: Wellness Literacy

A study of beginning jazz dance technique with an emphasis on rhythmic awareness, style and cultural traditions. May be repeated one time for credit. Prerequisite: DAN 1400 or DAN 1410.

DAN 1430. African Dance (2).F;S.

GEN ED: Wellness Literacy

This course is an introduction to the study of West African dance technique. The course emphasizes the movement vocabulary of West African dance while also providing historical and cultural perspectives on cross cultural dance styles. The course introduces students to the alignment, mechanics, musicality and performance qualities associated with West African dance, while also addressing the central role dance plays in the socio-spiritual life of African people. May be repeated one time for credit.

DAN 2010. Exploring the Arts: Dance (3).F;S.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "Imagination, Innovation, and Meaning")

This course will explore the meaning, history, and aesthetics of dance. It will include cross-cultural comparisons and the influence of other art forms throughout the history of dance. The course will be primarily lecture with demonstrations, video, and some experiential work.

DAN 2020. World Dance (3).S.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "Expressions of Culture")

This course will explore dance as a vital contribution to cultural understanding from various regions and cultures around the world including the Americas, Africa, Europe, Asia and Oceania.

DAN 2030. Dance, Media and Culture (3).On Demand.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "Expressions of Culture")

This course will focus on the intersection of dance, media and culture by contextualizing an emerging role of dance from an elitist perspective to a populist activity. Content will include a global perspective of dance on film, technological advances in digital dance media and the creation of fusion dance forms as a means of cultural expression.

DAN 2106. Performance Activity: Dance (0-1).F;S.

Performance activity is available to all students by audition for dance ensemble. May be repeated for credit. A maximum of two semester hours of credit in DAN 2106 will apply toward graduation.

DAN 2107. Production Running Crew (0-1).F;S.

Production running crew is available to all students. Specific jobs and hours will be arranged with the instructor. May be repeated for credit. A maximum of two semester hours of credit in DAN 2107 will apply toward graduation.

DAN 2400. Modern Dance II (2).F;S.

GEN ED: Wellness Literacy

A second (intermediate) level study of modern technique and basic elements of dance with more emphasis given to the refinement of skills and aesthetic elements. May be repeated one time for credit. Prerequisite: DAN 1400 or permission of the instructor.

DAN 2410. Ballet II (2).F;S.

GEN ED: Wellness Literacy

A beginner/intermediate class in classical ballet technique designed to facilitate skill in allegro and adagio work with an emphasis on developing line, style, placement and musicality. Focus will be on expanding the dancer's artistry through the development of articulation, precision and conditioning. May be repeated for a total credit of four semester hours. Prerequisite: permission of the instructor.

DAN 2420. Jazz II (2).S.

GEN ED: Wellness Literacy

A second level study of jazz technique and advanced elements of dance with more emphasis given to the refinement of skills including rhythmic awareness and dynamic interpretation. May be repeated one time for credit. Prerequisite: DAN 1420 or permission of the instructor.

DAN 2500. Independent Study (1-4).F;S.

DAN 2600. Floor Barre (1).On Demand.

A study of the innovative technique based on the teachings of originator and founder, Zena Rommett. This class will help develop correct alignment, maximum turn-out, and improve balance as well as refine movement skills and increase vitality. May be repeated one time for credit. Prerequisite: permission of the instructor.

DAN 2610. Pointe (1).On Demand.

An intermediate to an advanced level study of the art of pointe work in the area of classical ballet technique, facilitating pointe skill in allegro and adagio work with an emphasis on developing line, style, placement and musicality. Focus will be on expanding the dancer's artistry through the development of footwork while strengthening ankles and legs with movement articulation, precision and conditioning. May be repeated one time for credit. Prerequisite: concurrent enrollment in a technique class or permission of the instructor.

DAN 3280. Yoga as Somatic Practice (2).S.

GEN ED: Wellness Literacy

This course will examine the basic principles of the physical practice of yoga known as Hatha Yoga. The course will explore the practice of asanas (sustained postures) and vinyasas (sequences of postures connected by breath), pranayama (breathing exercises) and pratyahara, (meditation practices). Students will also be introduced to the philosophical and historical context of Hatha yoga. May be repeated one time for credit.

DAN 3400. Advanced Dance Technique (1).F;S.

The course will explore the elements of rhythm, space, time and effort in advanced dance technique. Focus will be on expanding the

dancer's artistry through the development of articulation, precision and conditioning. Students will be expected to learn movement quickly and accurately. May be repeated for a total of four semester hours credit. Prerequisite: permission of the instructor.

DAN 3405. Modern Dance III (2).F;S.

An advanced level study of modern technique with emphasis on continued refinement of skills, aesthetics, and the performance of complex combinations. May be repeated for a total of 6 s.h. credit. Prerequisite: DAN 2400 or permission of the instructor.

DAN 3410. Ballet III (2).F;S.

An intermediate/advanced class in classical ballet technique designed to facilitate progressive skill in the execution and performance of complex combinations of adagio and allegro work with an emphasis on refinement of line, style, placement, and musicality. Focus will be on continued expansion of the dancer's artistry through development of articulation, precision, and conditioning. Prerequisite: permission of the instructor. May be repeated for a total credit of four semester hours.

DAN 3420. Dance Composition and Improvisation (3).F;S.

A beginning study of dance composition including the elements of time, space, and design. Guided explorations in improvisation will be given as tools for developing personal movement vocabulary and expanding choreographic possibilities. Emphasis will be placed on learning to look at dances and appraise their choreographic structure critically and objectively. The course will culminate with a solo choreographic work. Prerequisite: DAN 1400 or DAN 1410 or DAN 1420 or permission of the instructor.

DAN 3430. Early Dance History (3).F;S.

GEN ED: Fine Arts Designation; Liberal Studies Experience

Early Dance History will explore ritual to classical dance forms from the earliest times through the 19th century. The course will focus on dance in relation to other art forms as well as the cultural, aesthetic and philosophical influences on dance.

DAN 3435. Dance History in the Modern Era (3).S.

GEN ED: Fine Arts Designation; Liberal Studies Experience

Contemporary Dance History will explore concert dance styles from the 20th century to the present day. Special emphasis will be given to cultural, aesthetic and philosophical influences on contemporary concert dance.

DAN 3450. Dance Pedagogy (3).F;S.

This course will explore methods and theories of dance education through didactic and experiential means including lecture, observation, labs, practical teaching experiences, and feedback sessions. Lecture three hours, laboratory one hour. Prerequisite: DAN 1400 or DAN 1410 or DAN 1420 or permission of the instructor.

DAN 3480. Pilates Conditioning I (2).F;S.

GEN ED: Wellness Literacy

This course is an experiential course based on the principles and teachings of Joseph H. Pilates. The Pilates method combines both Eastern and Western approaches to physical and mental conditioning with an emphasis on moving with maximum efficiency and precise control. May be repeated one time for credit.

DAN 3500. Independent Study (1-4).F;S.

DAN 3520. Instructional Assistance (1).F;S.

A supervised experience in the instructional process on the university level through direct participation in a classroom situation. Graded on an S/U basis. Prerequisite: junior or senior standing. May be repeated for a total credit of three semester hours. Approved contract required.

DAN 3530-3549. Selected Topics (1-4). On Demand.

A program involving advanced study, a research or creative project, and writing. Adapted to serve students who have exceptional interests. The proposals for this work must be approved by the instructor and the chair of the department prior to registration.

DAN 3580. Gyrokinesis (2).F;S.

GEN ED: Wellness Literacy

Gyrokinesis methodology, as developed by Julio Horvath, embraces key principles of dance, yoga, gymnastics and tai-chi. The method works the entire body using spinal articulations and undulating rhythms integrated with specific breathing patterns. May be repeated one time for credit.

DAN 3900. Internship (1-4).F;S.

Graded on an S/U basis.

DAN 4405. Modern Dance IV (2).S.

A fourth level study of modern dance technique that builds refined and nuanced technical skills, aesthetics, and performance of complex movement sequences. May be repeated for a total credit of four semester hours. Prerequisites: DAN 3405 and permission of the instructor.

DAN 4420. Choreography (0-2).F;S.

The course will focus on the increased awareness of design, dynamics, rhythm and motivation. Special attention will be given to design elements for small groups. There will be continued work in the observation, analysis and appraisal of dances. The class will culminate in a duet or trio choreographic work. Prerequisite: DAN 3420. May be repeated for a total of three semester hours credit.

DAN 4460. Somatics (3).F;S.

GEN ED: Wellness Literacy

This course will focus on functional anatomy and kinesiology to explore different approaches to therapeutic body-centered learning and current concepts in wellness. The course will be lecture and experiential in nature. [Dual-listed with DAN 5460.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

DAN 4480. Pilates Conditioning II (2).F;S.

A second level study of the Pilates method, based on the concepts of centering, concentration, control, precision, breath and flow. This course will introduce the equipment and the apparatus developed by Joseph H. Pilates. May be repeated one time for credit. Prerequisite: DAN 3480 or permission of the instructor. [Dual-listed with DAN 5480.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

DAN 4510. Senior Honors Thesis/Project (3).On Demand.

Independent study and research for a dance studies thesis or project. Directed and graded by a dance faculty member in the Department of Theatre and Dance. (By invitation or application only.)

DAN 4580. Gyrotonic (2).On Demand.

Gyrotonic methodology, as developed by Juliu Horvath, embraces key principles of dance, yoga, gymnastics and tai-chi. The method works the entire body using spinal articulations and undulating rhythms integrated with specific breathing patterns. This second level study incorporates the GYROTONIC® apparatus. May be repeated for a total credit of four semester hours. Prerequisite: DAN 3580.

DAN 4830. Collaborative Process (3).F.

GEN ED: Junior Writing in the Discipline (WID)

This course will explore the collaborative process in dance. Histories of great collaborations will be explored. Theoretical perspectives of creative process, the nature of creativity in collaborative work, crossing disciplines, and group process will be addressed. The course will be lecture, discussion and experiential in nature. Research projects and collaborative projects will be presented orally. Prerequisites: senior standing and permission of the instructor; and RC 2001 or its equivalent.

DAN 4840. Capstone (3).S.

GEN ED: Capstone Experience

Capstone is the culminating course requirement for the Bachelor of Arts degree in Dance Studies. It is an opportunity for the student to explore and discover the connections between the discipline of dance and another selected area of study. Students will be expected to create an in-depth senior project which illustrates and focuses on this resulting integration of disciplines. Students will be required to present and discuss the development as well as other aspects of their project in class, and they will also be required to present their final project in a public forum to students and faculty. A written synthesis of the process and project reflecting on the student's ability to create meaningful connections between disciplines is also required. Prerequisites: senior standing and permission of the instructor.

DAN 4870. Creative Process, Movement, and Therapy (3).S. Odd-numbered years.

An examination of body awareness, creative expression, and movement in therapy. Particular attention will be paid to the concept of creative process and how it relates to human development, personality integration, and healing. [Dual-listed with HPC 5870.] Dual-listed courses require senior standing; juniors may enroll with permission of the department.

THEATRE (THR)

THR 2005. Page and Stage (3).F.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "How We Tell Stories")

In this class, students will have the opportunity to learn techniques for analyzing and interpreting written dramatic texts and theatrical performances. They will analyze and interpret plays of different styles from various historical periods, with particular attention to the unique characteristics of drama as a medium for telling stories.

THR 2007. The Actor (3).F;S.

In this course, students will focus on the development of body, voice and imagination with the goal of effective communication. Coursework will include exercises and assignments designed to develop awareness of physical and imaginary stimuli, cultivate interpretive skills while discovering imagery within a text, and explore conscious awareness of self and environment with the purpose of developing creative flexibility.

THR 2009. The Stage Environment (3).F;S.

In this class, students will explore the fundamental principles and processes of designed environments for performance. Students will engage in design research, analysis, interpretation, and critique. Emphasis will be on developing creativity by participating in individual and collaborative projects.

THR 2010. The Theatre Experience (3).F;S.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "Imagination, Innovation, and Meaning")

In this course, students will analyze forms of theatre from various cultures and historical eras. They will also examine how their own personal, historical, and cultural perspectives affect their responses to artistic performance.

THR 2017. Theatre for Social Change (3).S.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "Revolutions: Social and Political")

This course is a practical and seminar class focused on the history and theory behind "theatre for social change" and is grounded in participation, research, analysis, and performance. Students study and apply various theories and methodologies of theatre for social change (image, forum, playback, invisible theatre, etc.) to effect change related to social, economic, cultural, political, and interpersonal issues.

THR 2020. World Culture and Performance Studies (3).S.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "Expressions of Culture")

This course applies insights from performance art, theatre, dance and other art forms. Its interdisciplinary approach will allow students to have the opportunities to study the unique role of "performance" in various aspects of our society as well as the world today. The class will explore the concept of performance, and special attention will be paid to issues of multiculturalism and the cultural, political, historical, social, economic and technological contexts of performance studies.

THR 2022. Cultivating Creative Expression Through Theatre (3).S.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "Cultivating Creative Expression")

The emphasis in this course is on understanding and creating theatre as a springboard for more deeply understanding and developing personal creativity. Students will be immersed in an integrated approach to developing theatre artistry through watching, reading and analyzing plays; engaging in the creative process of playmaking and playwriting; and participating in the collaborative process of theatre production. No prior theatre skills necessary. Lecture and studio lab.

THR 2101. Production Running Crew (0-1).F;S.

Production running crew is available to all students. Specific jobs and hours will be arranged with the instructor. May be repeated up to four times for credit. Prerequisite: permission of the instructor.

THR 2214. Dance Production Basics (3).F.

An introduction to the techniques of stage production in costume, stage lighting, and stage sound. Coursework will include the understanding of basic design principles, appropriate paperwork, organization, use of equipment, construction/installation techniques, and safety. Students will participate in a variety of production activities.

THR 2230. Scenery and Properties (3).S.

Introduction to the techniques used to design and execute stage scenery and properties including equipment, facilities, basic design techniques and documentation. Students will participate in scenic studio activities.

THR 2235. Theatrical Costume and Makeup (3).F;S.

An introduction to the theory and practice of stage costume and makeup including equipment, techniques, and application. Students will participate in costume studio activities.

THR 2240. Lighting and Sound (3).F.

An introduction to the techniques used to design and execute theatrical lighting and sound, including equipment, facilities, basic design techniques and documentation. Students will participate in production activities.

THR 2250. Stage Management (2).F;S.

The study of the procedures and techniques used to stage manage a theatrical production from auditions through the final performance.

The unique aspects of stage managing in the university and professional environments will be considered. Prerequisite: permission of the instructor.

THR 2300. Acting for Non Majors (3).F;S.

GEN ED: Fine Arts Designation; Liberal Studies Experience

This course will introduce basic acting techniques and terms for the interested student not majoring or minoring in theatre. Terms, concepts and the recent historical development of the art form will be examined to provide the student with a context for effective evaluation of acting performances. Exercises and class assignments will be used to help students develop a basic approach to creating performances.

THR 2445. Arts Management and Promotion (3).F.

The theory and practice of business management, promotion and publicity, fund raising, ticket sales, and box office management as applied to the performing arts. Lecture and demonstration three hours. Prerequisite: RC 1000.

THR 2500. Independent Study (1-4).F;S.

THR 2610. Oral Interpretation (3).F;S.

GEN ED: Liberal Studies Experience

An introduction to the study of literature through the medium of performance. The student is expected to master techniques of literary selection and analysis and to perform from poetry, prose and dramatic literature.

THR 2617. Improvisation (1).S.

A basic course designed for theatre majors or minors. Students will engage in performance exercises emphasizing spontaneity and creativity. Course content will begin with theatre games and build to improvisational scene work.

THR 2620. Acting I: Beginning Scene Study (3).S.

This course is a study of script analysis applied to performance through monologue and scene study for the purpose of developing a character. Prerequisite: THR 2625.

THR 2625. Voice and Movement for the Stage (3).F.

This course emphasizes the development of the actor's physical instrument, the voice and body. Voice emphasis is on establishing good vocal habits through practical application of various vocal techniques. Students will study phonation, respiration, articulation, phrasing, textual analysis to establish the effective use of the voice for the stage. Movement emphasis will focus on body control with ease, use of performance space, and ensemble movement. Students will study Alexander Technique and other theatre movement practices, such as mime and mask, as a basis for effective use of the body on stage.

THR 2629. Acting for the Camera (3).On Demand.

The purpose of this course is to provide the opportunity to develop a "natural" on-camera acting style which suits the character and personality of each student. Emphasis in this course will be on finding the place where students may bring life to a specific character with as much authenticity, and with as little effort, as possible. May be repeated one time for credit.

THR 2635. Stage Combat (2).F. Odd-numbered years.

An introduction to the use of combat in theatrical productions. Course work will include safe approaches to weapon and hand-to-hand combat, appropriate weapon choices, text and fight analysis, rehearsal discipline, and basic fight choreography. Prerequisite: THR 2625.

THR 3071. Teaching Theatre, 9-12 (2).F. Even-numbered years.

Methods for teaching theatre in the 9-12 classroom. This course includes strategies, organization and administration for classroom and production activities in theatre arts. Experiences include developing lesson plans and actual high school teaching experience. It is strongly advised that all requirements for licensure (except student teaching) be completed prior to taking this methods course.

THR 3225. Advanced Stage Makeup (2).On Demand.

Advanced techniques in stage makeup for a variety of production situations. Techniques to be covered include scars, burns, stage blood, latex, and other three-dimensional techniques. Lecture and laboratory two hours. Prerequisite: THR 2235 or permission of the instructor.

THR 3500. Independent Study (1-4).F;S.

THR 3520. Instructional Assistance (1).F;S.

A supervised experience in the instructional process on the university level through direct participation in a classroom situation. Graded on an S/U basis. Prerequisite or corequisite: THR 3070/CI 3070. May be repeated for a total credit of three semester hours. Approved contract required.

THR 3530–3549. Selected Topics (1–4). On Demand.

A program involving advanced study, a research or creative project, and writing. Adapted to serve students who have exceptional interests. The proposals for this work must be approved by the instructor and the chair of the department prior to registration.

THR 3620. Acting II: Advanced Scene Study (3).F.

This course continues the development of acting craft using scene study as a forum to explore realistic acting techniques and scene analysis. Prerequisite: THR 2620.

THR 3625. Advanced Voice Techniques (3).S.

This course will introduce methods to develop the Advanced Voice Techniques necessary to excel in classical theatre productions and auditions. Text analysis skills will be studied for the purpose of bringing “vocal life” to classical texts, songs and audition pieces. Exercises to improve the resonance and agility of the speaking and singing voice will be utilized. The International Phonetic Alphabet will be used in conjunction with specific work to develop consistent dialects and neutral stage speech. Work with vocal timing and delivery of comedic material will be explored. Prerequisite: THR 2625 Voice and Movement for the Stage.

THR 3630. Theatre Directing Techniques (3).On Demand.

Basic directing techniques including script analysis, production planning, blocking and working with the actor. Practical applications of the principles of directing. Prerequisites: THR 2009 and THR 2620. May be repeated once for credit.

THR 3635. Alexander and Advanced Movement Technique (3).On Demand.

This course will engage students in advanced movement techniques necessary to meet a variety of theatrical performance demands. Intermediate study of the principles of the Alexander Technique applied to acting will serve as a foundation for the course. Activities and exercises will help students arrive at freedom from unwanted physical habits and develop presence, agility and stamina in performance. Applied movement techniques such as mask, basic stage combat, physical comedy, Commedia and other period styles will be introduced. Prerequisite: THR 2625 Voice and Movement for the Stage

THR 3640. Solo and Group Performance (3).F;S.

GEN ED: Fine Arts Designation; Integrative Learning Experience (Theme: "How We Tell Stories")

An introduction to performance studies, using the principles of oral interpretation. The course begins with the training of the body, voice, and sense memory as well as an introduction to dramatic analysis. The second part of the course uses these performance instruments for solo rehearsal and presentation of student selected literary texts: description, narrative, drama and poetry. The course concludes with ensemble performances of literary texts.

THR 3650. Alexander Technique for Stage (2).On Demand.

A course that explores the awareness of self, ease and improved coordination in movement, and stage presence through the principles of the Alexander Technique.

THR 3656. Theatre Performance and Production for Young Audiences (3).S.

This course will explore techniques and theories of producing plays for young audiences using children, youth and adults. Course work will emphasize practical demands of productions in a variety of organizational settings. Students will produce and tour a production for young audiences. This course is designed for students majoring in theatre, education and recreation. May be repeated for a total credit of six semester hours. Prerequisite: THR 2625 or permission of the instructor.

THR 3670. Playwriting (3).On Demand.

A study of the art and craft of writing for performance. Readings will include plays, performance theory, and performance reviews. The course will be run as a workshop in which every student must be an active participant in evaluating her or his own work and that of others. Assignments will include written work, oral presentations, workshop evaluations, and performances. May be repeated for credit when content does not duplicate. This course serves as a prerequisite for ENG 3662, ENG 3663, and ENG 4550. (Same as ENG 3670.)

THR 3679. Screenwriting (3).On Demand.

The purpose of this course is to provide the opportunity to establish a solid foundation in screenplay writing. Strong emphasis will be placed on structure, style and naturalized dialogue, as well as the fundamental importance of thinking and writing visually and simply. Focus will be on the motion picture medium, though other forms such as sitcoms, industrial A/V and soaps will be covered briefly. (Same as ENG 3679.)

THR 3730. Early Theatre History and Literature (3).F.

GEN ED: Fine Arts Designation; Liberal Studies Experience

This course explores the history, literature, and criticism of the theatre from prehistory up to the Early Modern period. The course will focus predominantly on European theatre, but will also include studies of some Asian forms.

THR 3735. Modern Theatre History and Literature (3).F.

GEN ED: Junior Writing in the Discipline (WID)

This course explores the history, literature, and criticism of the theatre in the modern period through the present. The course will focus predominantly on American and European theatre, but will also include some African, South American, and Asian theatre. Prerequisites: THR 2005, THR 3730, and RC 2001 or its equivalent.

THR 3857. Teaching Theatre, K-5 (2).F.Odd-numbered years.

Introductory methods for using creative drama in the K-5 classroom and other settings. This course aids the potential K-5 teacher in using drama as a teaching tool, and it includes practical experience in the classroom. Prerequisite: CI 2300 or permission of the instructor.

THR 3900. Internship (3-12).F;S.

Graded on an S/U basis.

THR 4220. Stage Costume Design (3).On Demand.

The elements of design in relation to costume design through a series of historical and problem oriented projects. Emphasis will be placed on imagination, problem solving and growth in both the graphic interpretation and presentation of work. Prerequisites: THR 2009 and THR 2235.

THR 4230. Scenic Design (3).On Demand.

A study of the theory and processes used for the design of theatrical settings for a variety of productions. Prerequisites: THR 2009 and THR 2230.

THR 4235. Special Topics in Design and Production (3).On Demand.

The study of advanced design and production topics in a variety of production forms and styles. May be repeated two times for credit. Prerequisite: permission of the instructor.

THR 4240. Stage Lighting Design (3).On Demand.

A study of advanced techniques of theatrical lighting design. Techniques for lighting design in drama, dance, and the other media will be investigated. Topics will include scenic projection, CAD for the lighting designer, adaptation of stage lighting for television and recent advances in lighting fixtures and control systems. Prerequisites: THR 2009 and THR 2240.

THR 4320. Acting III: Styles (3).S.

An extensive study of the scene analysis and playing skills necessary to bring to life various performance styles from Ancient Greek to the modern day. Emphasis is on scene work and the incorporation of voice, movement and acting craft to create fully realized, meaningful performances. Prerequisite: THR 3620.

THR 4357. Teaching Theatre, 6-8 (2).S.Even-numbered years.

Advanced methods for using creative drama in the 6-8 classroom and other settings. Research and exploration of current approaches in the creative drama field. Emphasis is placed on the transition from process to product. This course includes practical experience in the classroom.

THR 4840. Capstone (3).F.

GEN ED: Capstone Experience

The capstone offers theatre students an opportunity to synthesize prior academic coursework, research, and practical problem solving in all major areas of theatre study. This capstone represents the culmination of the student's academic education and serves as a bridge to professional and educational theatre, graduate study and other job opportunities.