

**490 Directed Study of Statistical Problems**  
 Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 9 credits in all enrollments for this course. R: Open only to juniors or seniors in the Department of Mathematics or Department of Statistics and Probability. Approval of department.  
 Individualized study of selected topics.

## STUDIO ART STA

### Department of Art and Art History College of Arts and Letters

**110 Drawing I**  
 Fall, Spring. 3(0-6)  
 Fundamental concepts of drawing. Emphasis on observational, descriptive and analytical drawing. Practice of drawing skills using common drawing media.

**111 Drawing II**  
 Fall, Spring. 3(0-6) P:M: (STA 110)  
 Development of imagery and expression; abstraction and the use of the human figure as subject matter.

**113 Color and Design**  
 Fall, Spring. 3(0-6)  
 Basic elements of two-dimensional design. Principles of organization and the theory and practice of color as a basis for creative solutions for the problems of the artist and designer.

**114 Three-Dimensional Form**  
 Fall, Spring. 3(0-6)  
 Formal elements of three-dimensional form. Application of the principles of organization as a means for producing creative solutions for the artist and designer. Related practical experience with a variety of materials and processes.

**300 Intermediate Drawing**  
 Fall, Spring. 3(0-6) P:M: (STA 111 and STA 113 and STA 114)  
 Observational and imaginative drawing including the human figure. Non-representational drawing. Contemporary drawing systems, concepts, and processes.

**320 Painting I**  
 Fall, Spring. 3(0-6) P:M: (STA 111 and STA 113 and STA 114)  
 Representational painting of landscape, figure, and still life imagery. Painting concepts, materials, and techniques.

**325 Painting II**  
 Fall, Spring. 3(0-6) P:M: (STA 320)  
 Continuation of representational painting, and introduction to non-representational painting and concepts.

**340 Ceramics I**  
 Fall, Spring. 3(0-6) P:M: (STA 111 and STA 113 and STA 114)  
 Ceramic processes including handbuilding, glaze formulation, and kiln firing as a means of cultural expression.

**345 Ceramics II**  
 Fall, Spring. 3(0-6) P:M: (STA 340)  
 Continued development of ceramic forming and kiln firing techniques including handbuilding, glaze formulation, mold making, casting, and wheel throwing for cultural and artistic expression.

**350 Figure Modeling**  
 Fall, Spring. 3(0-6) P:M: (STA 111 and STA 113 and STA 114)  
 Modeling human and natural forms. The figure as a means of artistic and cultural expression.

**351 Mixed Media and Installation**  
 Fall, Spring. 3(0-6) P:M: (STA 111 and STA 113 and STA 114)  
 Exploration of artistic expression using mixed media and assemblage techniques. Installation techniques.

**354 Casting**  
 Fall, Spring. 3(0-6) P:M: (STA 111 and STA 113 and STA 114)  
 Casting concepts and techniques as a means of artistic and cultural expression.

**355 Construction and Fabrication**  
 Fall, Spring. 3(0-6) P:M: (STA 111 and STA 113 and STA 114)  
 Sculptural concepts using methods of construction and fabrication as an approach to artistic and cultural expression.

**360 Graphic Design**  
 Fall, Spring. 3(0-6) P:M: (STA 111 and STA 113 and STA 114)  
 Graphic signs and symbols used in visual communication. Application of design principles to experimental and practical problem solving.

**370 Photography**  
 Fall, Spring. 4(2-4) P:M: (STA 111 and STA 113 and STA 114)  
 History and basic technology of black and white photography, integrative camerawork, and darkroom processing. Issues in photographic aesthetics. Students furnish camera and all materials.

**400 Advanced Drawing**  
 Fall, Spring. 4(0-8) P:M: (STA 300)  
 Drawing with an emphasis on a wide range of current drawing concepts, materials, and techniques. Advanced non-representational drawing. Application to individual thematic development.

**420 Painting**  
 Fall, Spring. 4(0-8) A student may earn a maximum of 20 credits in all enrollments for this course. P:M: (STA 325)  
 Advanced applications of painting concepts, styles and techniques. Consideration of the language of contemporary painting.

**430 Relief Printing**  
 Fall, Spring. 4(0-8) A student may earn a maximum of 20 credits in all enrollments for this course. P:M: (STA 300 or STA 320)  
 Theory and practice of relief prints including additive methods, linocut and woodcut for artistic and cultural expression.

**431 Screen Printing**  
 Fall, Spring. 4(0-8) A student may earn a maximum of 20 credits in all enrollments for this course. P:M: (STA 300 or STA 320)  
 Screen printing as a fine art print medium. Theory and techniques as a means to creative and expressive imagery.

**432 Lithography**  
 Fall, Spring. 4(0-8) A student may earn a maximum of 20 credits in all enrollments for this course. P:M: (STA 300 or STA 320)  
 Lithographic process as an artistic medium. Techniques of the medium. Preparing the plate or stone, printing, and using tusche, wash and rubbing as a means to creative imagery.

**433 Intaglio**  
 Fall, Spring. 4(0-8) A student may earn a maximum of 20 credits in all enrollments for this course. P:M: (STA 300 or STA 320)  
 Aesthetic principles and techniques such as line etching, soft ground, aquatint, dry point, wax resist, collograph, and monoprints.

**435 Handmade Paper**  
 Spring of odd years. 4(0-8) A student may earn a maximum of 20 credits in all enrollments for this course. P:M: (STA 300 or STA 320)  
 Handmade paper as an art form. Basic techniques including lamination, layering, folding and vacuum forming.

**440 Ceramics**  
 Fall, Spring. 4(0-8) A student may earn a maximum of 20 credits in all enrollments for this course. P:M: (STA 345)  
 Development of aesthetic and technical skills with particular focus on contemporary issues of content and concept. Includes opportunity for supervised individual study.

**450 Advanced Sculpture**  
 Fall, Spring. 4(0-8) A student may earn a maximum of 20 credits in all enrollments for this course. P:M: (STA 350 or STA 351 or STA 354 or STA 355) RB: and one other 300-level sculpture course  
 Advanced applications of sculpture concepts, styles and techniques. Consideration of the language of contemporary sculpture, with emphasis on individual direction.

**460 Graphic Communication**  
 Fall, Spring. 4(0-8) P:M: (STA 462 or STA 463 or STA 464 or STA 465 or STA 466 or STA 467 or STA 468) RB: and one other 400 level graphic design course.  
 Graphic design for visual communication based on typographic problem solving. Selected experimental and practical projects.

**462 Three-Dimensional Design**  
 Spring. 4(0-8) P:M: (STA 360)  
 Development and application of visual communication elements for three-dimensional structures and compound surfaces within a broad range of scale.

**463 Book Design**  
 Fall. 4(0-8) P:M: (STA 360)  
 Principles of typography and graphic design as applied to the book form.

**464 Design Process and Concepts**  
 Fall. 4(0-8) P:M: (STA 360)  
 Problem solving methods, strategies, and procedures. Exploration of problem definition, analysis, concept development, and evaluation.

**465 The Poster**  
 Spring. 4(0-8) P:M: (STA 360)  
 Poster design as a combined verbal and non-verbal communication device. Visual elements used to persuade and inform.

**466 Corporate Imagery**  
 Fall. 4(0-8) P:M: (STA 360)  
 Design development, hierarchical unification, and application strategies for the graphic identification of organizations and sub-units of organizations.

**467 Motion Graphics and Electronic Media**  
 Fall. 4(0-8) P:M: (STA 360)  
 Non-print methods of visual communication. Computer- and video-based two-dimensional animation design.

## Studio Art—STA

### 468 Computer Graphics

Spring. 4(0-8) P:M: (STA 360)

The computer as a medium for visual communication design. Experimentation with drawing, painting and solid modeling applications.

### 470 Still Photography

Fall, Spring. 4(2-4) P:M: (STA 370)

Control of black and white photographic materials through advanced camera and darkroom techniques. View camera principles and use. Print hand-coloring and archival processing. Contemporary form and content issues.

### 472 Color Photography

Spring. 4(2-4) P:M: (STA 370)

Principles of color photography. Vision, perception, and photographic science and art. Effect of color on content. Color negative process and printing.

### 474 Photography Studio Lighting

Fall. 4(2-4) P:M: (STA 370)

The photographer's balance of still life and portrait composition and controlled lighting with personal interpretation of subject matter. Lighting theory, technique, and equipment.

### 475 Photography Workshop

Spring. 4(1-6) P:M: (STA 370)

Non-traditional photographic processes and concepts. Non-silver printmaking, electronic still imaging, computer manipulation, video production, and slide-sound productions.

### 481 Art Experiences with Children and Youth: Elementary

Fall. 5(1-8) P:M: Completion of Tier I writing requirement. R: Open only to juniors or seniors in the Department of Art with a teacher certification option.

Art teaching in the Saturday Art Program. Emphasis on elementary experiences. Planning and writing art curriculum.

### 482 Art Experiences with Children and Youth: Secondary

Spring. 6(2-8) P:M: Completion of Tier I writing requirement. R: Open only to juniors or seniors in the Department of Art with a teacher certification option.

Art teaching in the Saturday Art Program. Emphasis on secondary experiences. Planning and writing art curriculum.

### 490 Independent Study

Fall, Spring. 1 to 3 credits. A student may earn a maximum of 3 credits in all enrollments for this course. R: Approval of department.

Special projects arranged by an individual student and a faculty member in areas supplementing regular course offerings.

### 491A Selected Topics - Painting

Spring. 2 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. P:M: (STA 320) R: Approval of department.

Issues of technique, style, and content in painting.

### 491B Selected Topics - Printmaking

Spring. 2 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. P:M: (STA 430 or STA 431 or STA 432 or STA 433 or STA 435) R: Approval of department.

Issues of technique, style, and content in printmaking.

### 491C Selected Topics - Ceramics

Spring. 2 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. P:M: (STA 345)

Issues of technique, style, and content in ceramics.

### 491D Selected Topics - Sculpture

Spring. 2 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. P:M: (STA 350 or STA 351 or STA 354 or STA 355) R: Approval of department.

Issues of technique, style, and content in sculpture.

### 491E Selected Topics - Graphic Design

Spring. 2 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. P:M: (STA 360) R: Approval of department.

Issues of technique, style, and content in graphic design.

### 491F Selected Topics - Photography

Fall of odd years. 2 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course. P:M: (STA 370) R: Approval of department.

Issues of technique, style, and content in photography.

### 492 Senior Seminar and Professional Practice (W)

Fall, Spring. 2(2-0) P:M: Completion of Tier I writing requirement. R: Open only to seniors in the Studio Art major. C: STA 492A concurrently.

Capstone course for artists and designers. Writing as a mode of issue delineation and definition.

### 492A Exhibition Practicum

Fall, Spring. 1(1-1) P:M: Completion of Tier I writing requirement. C: STA 492 concurrently.

Exhibition experience in studio art. Audience delineation. Conceptualization. Use of space. Evaluation.

### 493 Design Internship

Fall, Spring. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course. P:M: (STA 460 or STA 462 or STA 463 or STA 464 or STA 465 or STA 466 or STA 467 or STA 468) RB: and one other 400 level graphic design course. R: Approval of department, contract required prior to registration.

Field experience in a working design environment under supervision of a design professional: art director, graphic designer, or photographer.

### 494 Design Center

Fall, Spring. 4(0-8) P:M: (STA 460 or STA 462 or STA 463 or STA 464 or STA 465 or STA 466 or STA 467 or STA 468) RB: and one other 400 level graphic design course. R: Approval of department, contract required prior to registration.

Practicum in design problem solving, including extensive contact with selected clients at a professional level.

### 495 Workshop in Studio Art Practice

Fall, Spring, Summer. 1 to 3 credits. A student may earn a maximum of 4 credits in all enrollments for this course. RB: Upper level studio art major. R: Open only to juniors or seniors or graduate students in the Studio Art major or approval of department. Written contract required.

In-depth study of a specific technique or theoretical artistic practice.

## TEACHER EDUCATION

### Department of Teacher Education College of Education

#### 150 Reflections on Learning

Fall, Spring, Summer. 3(3-0) Interdepartmental with Counseling, Educational Psychology and Special Education.

Students' experiences as learners in comparison to psychological, sociological, and anthropological theories and assumptions about learning and teaching in and out of school.

#### 240 Diverse Learners in Multicultural Perspective

Fall, Spring, Summer. 3(2-2) Interdepartmental with Counseling, Educational Psychology and Special Education. Administered by Department of Counseling, Educational Psychology, and Special Education. Not open to students with credit in TE 250.

Communicative, linguistic, physical, sensory, behavioral, affective, and cognitive differences in learning in multicultural classrooms. Factors that mediate access to knowledge.

#### 250 Human Diversity, Power, and Opportunity in Social Institutions

Fall, Spring, Summer. 3(3-0)

Comparative study of schools and other social institutions. Social construction and maintenance of diversity and inequality. Political, social and economic consequences for individuals and groups.

#### 301 Learners and Learning in Context (W)

Spring. 4(3-4) P:M: Completion of Tier I writing requirement. RB: (TE 150) And (TE 250 Or CEP 240) R: Not open to freshmen or sophomores. Open only to students admitted to the teacher certification program.

Role of social context and sociocultural background in learning. Natural and socially constructed differences among learners. Relationship among subject-specific knowledge, teaching and learning that subject, and the institutional and communal context. Multiple literacies.

#### 311 Growing Up and Coming of Age in Three Societies (D)

Fall of odd years. 3(3-0) RB: One IAH course, one ISS course, completion of Tier I writing requirement. R: Not open to freshmen and sophomores. SA: TCC 305

Diverse disciplinary and cultural perspectives of childhood and youth. Continuity and change in families and schools. Factors such as ethnicity, race, gender, and political philosophies. Focus on three contrasting societies.