STUDIO ART

Department of Art
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.
Q: STA 141

111. Drawing II
Fall, Spring. 3(0-6)
Emphasis on development of personal imagery and expression. Introduction of the means of abstraction and of the use of the human figure as subject matter.
Q: STA 241, STA 242

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.
Q: STA 142

114. Three-Dimensional Form
Fall, Spring. 3(0-6)
Formal elements of three-dimensional form. Study and composition of materials and processes.
Q: STA 143

300. Intermediate Drawing
Fall, Spring. 3(0-6)
P: STA 111, STA 113, STA 114.
Observational and imaginative drawing including the human figure. Non-representational drawing. Contemporary drawing systems, concepts, and process.
Q: STA 248 Q: STA 340

302. Time-Space-Motion-Sound
Spring. 3(0-6)
P: STA 300. R: Not open to freshmen and sophomores.
Multi-dimensional forms of artistic expression and their interrelationships. Theory and exploration.

329. Painting I
Fall, Spring. 3(0-6)
P: STA 111, STA 113, STA 114.
Representational painting of landscape, figure, and still-life imagery. Painting concepts, materials, and techniques.
Q: STA 141, STA 142 Q: STA 255

325. Painting II
Fall, Spring. 3(0-6)
P: STA 300.
Continuation of representational painting, and introduction to non-representational painting and concepts.
Q: STA 255 Q: STA 355, STA 356, STA 357

340. Ceramics I
Fall, Spring. 3(0-6)
P: STA 111, STA 113, STA 114.
Ceramic processes including handbuilding, glaze formulation, and kiln firing.
Q: STA 141, STA 143 Q: STA 240

345. Ceramics II
Fall, Spring. 3(0-6)
P: STA 340.
Continued development of ceramic forming and kiln firing techniques including handbuilding, glaze formulation, mold making, casting, and wheel throwing.
Q: STA 240, STA 241 Q: STA 341

350. Figure Modeling
Fall, Spring. 3(0-6)
P: STA 111, STA 113, STA 114.
Modeling human and natural forms.
Q: STA 141, STA 143 Q: STA 228

351. Collage, Mixed Media, Assemblage
Fall, Spring. 3(0-6)
P: STA 111, STA 113, STA 114.
Exploration of artistic expression using collage, mixed media, and assemblage techniques.
Q: STA 143 Q: STA 229

354. Casting
Fall, Spring. 3(0-6)
P: STA 111, STA 113, STA 114.
Casting concepts and techniques as a means of artistic expression.
Q: STA 228 Q: STA 323

355. Construction and Fabrication
Fall, Spring. 3(0-6)
P: STA 111, STA 113, STA 114.
Study of construction methods of construction and fabrication as an approach to artistic expression.
Q: STA 228 Q: STA 323

360. Graphic Design
Fall, Spring. 3(0-6)
P: STA 111, STA 113, STA 114.
Graphite signs and symbols used in visual communication. Application of design principles to experimental and practical experiences.
Q: STA 141, STA 142 Q: STA 231

370. Photography
Fall, Spring. 4(2-4)
P: STA 111, STA 113, STA 114.
History and basic technology of black and white photography, integrative camerawork, and darkroom processing. Issues in photographic aesthetics. Students furnish cameras and all materials.
Q: STA 141, STA 142 Q: STA 200

380. Art for Early Childhood and Elementary Education
Fall, Spring. 3(1-4)
P: STA 111, STA 113, STA 114.
Creative art experience and its application for children. Children's growth and development in art. Artistic activities, readings, and discussion.
Q: STA 310

381. Learning Strategies, Concepts, Resources, and Materials for Art Education
Spring. 4(0-8)
P: STA 111, STA 113, STA 114.
R: Not open to freshmen and sophomores. Open only to majors in the Department of Art with a teacher certification option.
Q: STA 300

400. Advanced Drawing
Fall, Spring. 3(0-6)
P: STA 300.
Drawing with emphasis on a wide range of current drawing concepts, materials, and techniques. Advanced non-representational drawing. Application to individual thematic development.
Q: STA 340 Q: STA 459

405. Metalsmithing
Fall of even-numbered years. 4(0-8)
P: STA 111, STA 113, STA 114.
L. Forming, joining, finishing, and embellishing processes for metals to create small sculpture or jewelry.
Q: STA 141, STA 142, STA 143 Q: STA 249

407. Art in London
Summer. 3(0-6)
P: STA 111, STA 113, STA 114.
Study in London, England, of a variety of art disciplines. Visits to museums, galleries, monuments and other relevant sites, with some field trips away from the city. Meetings with artists.

420. Painting
Fall, Spring. 4(0-8)
A student may earn a maximum of 20 credits in all enrollments for this course.
P: STA 325.
Advanced applications of painting concepts, styles and techniques. Consideration of the language of contemporary painting.
Q: STA 355, STA 356, STA 357 Q: STA 455

430. Relief Printing
Fall, Spring of odd-numbered years, Spring of even-numbered years. 4(0-8)
A student may earn a maximum of 20 credits in all enrollments for this course.
P: STA 360 or STA 320.
Theory and practice of relief printing including additive methods, linecut and woodcut.
Q: STA 141, STA 142 Q: STA 247

431. Screen Printing
Fall of even-numbered years, Spring of odd-numbered years. 4(0-8)
A student may earn a maximum of 20 credits in all enrollments for this course.
P: STA 300 or STA 320.
Screen printing as a fine art print medium. Theory and techniques as a means to creative and expressive imagery.
Q: STA 305 Q: STA 405

432. Lithography
Fall, Spring. 4(0-8)
A student may earn a maximum of 20 credits in all enrollments for this course.
P: STA 360 or STA 320.
Lithographic process as an artistic medium. Techniques of the medium. Preparing the plate or stone, printing, and useful trouble-shooting and rubbing as a means to create imagery.
Q: STA 306 Q: STA 406

433. Intaglio
Fall, Spring. 4(0-8)
A student may earn a maximum of 20 credits in all enrollments for this course.
P: STA 360 or STA 320.
Aesthetic principles and techniques such as line etching, soft ground, aquatint, dry point, wax resist, collograph, and monoprints.
Q: STA 142, STA 241 Q: STA 407

435. Handmade Paper
Spring of even-numbered years. 4(0-8)
A student may earn a maximum of 20 credits in all enrollments for this course.
P: STA 360 or STA 320.
Handmade paper as an art form. Basic techniques including lamination, layering, folding and vacuum forming.
Q: STA 409

440. Ceramics
Fall, Spring. 4(0-8)
A student may earn a maximum of 20 credits in all enrollments for this course.
P: STA 345.
Development of aesthetic and technical skills with particular focus on contemporary issues of content and concept. Includes opportunity for supervised individual study.
Q: STA 341 Q: STA 431

450. Advanced Sculpture
Fall, Spring. 4(0-8)
A student may earn a maximum of 20 credits in all enrollments for this course.
P: STA 350, STA 351, STA 354, STA 355.
Advanced applications of sculpture concepts, styles and techniques. Consideration of the language of contemporary sculpture, with emphasis on individual direction.
Q: STA 328 Q: STA 428

450. Graphic Communication
Fall, Spring. 4(0-8)
P: STA 360.
Graphic design for visual communication based on typographic problem solving. Selected experimental and practical projects.
Q: STA 253 Q: STA 381

462. Three-Dimensional Design
Fall, Spring. 4(0-8)
P: STA 360.
Development and application of visual communication elements for three-dimensional structures and compound surfaces within a broad range of scale.
Q: STA 231, STA 143 Q: STA 382

A-164
463. **Book Design**  
P: STA 460.  
Principles of typography and graphic design as applied to the book form.  

QP: STA 231 QA: STA 363

464. **Design Process and Concepts**  
P: STA 460.  
Problem solving methods, strategies, and procedures. Exploration of problem definition, analysis, concept development, and evaluation.  

QP: STA 231 QA: STA 384

465. **The Poster**  
P: STA 469.  
Poster design as a combined verbal and non-verbal communication device. Visual elements used to persuade and inform.  

QP: STA 231, STA 200 QA: STA 385

466. **Corporate Imagery**  
P: STA 460.  
Design development, hierarchical unification, and application strategies for the graphic identification of organizations and sub-units of organizations.  

QP: STA 231 QA: STA 386

467. **Motion Graphics and Electronic Media**  
P: STA 460.  
Non-print methods of visual communication. Computer- and video-based two-dimensional animation design.  

QP: STA 231 QA: STA 387

468. **Computer Graphics**  
P: STA 460.  
The computer as a medium for visual communication design. Experimentation with drawing, painting, and solid modeling applications.  

QP: STA 231 QA: STA 388

470. **Still Photography**  
P: 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.  

QP: STA 200 QA: STA 300

472. **Color Photography**  
P: STA 470.  

QP: STA 300 QA: STA 372

473. **Landscape Photography**  
P: STA 470.  
Principles of landscape photography ranging from response to the rural and pastoral to urban and human altered. Historical and contemporary aesthetic trends. Film formats ranging from 35 mm to 4” x 5”. Controlled black and white printing and zone system.  

QP: STA 300

474. **Photography Studio Lighting**  
P: STA 470.  
The photographer’s balance of still life and portrait composition and controlled lighting with personal interpretation of subject matter. Lighting theory, technique, and equipment.  

QP: STA 300 QA: STA 370, STA 371

475. **Photography Workshop**  
P: STA 470.  
Non-traditional photographic processes and concepts. Non-silver printing, electronic still imaging, computer manipulation, video production, and slide sound productions.  

QP: STA 300 QA: STA 401

481. **Art Experiences with Children and Youth: Elementary**  
P: STA 381.  
R: Open only to majors 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.  

QP: STA 300 QA: STA 320

482. **Art Experiences with Children and Youth: Secondary**  
P: STA 481.  
R: Open only to majors 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.  

QP: STA 300 QA: STA 320

490. **Independent Study**  
Fall, Spring, 1 to 3 credits. A student may earn a maximum of 6 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.  

QA: STA 460

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: STA 320.  
R: Not open to freshmen and sophomores. Approval of department. Issues of technique, style, and content in painting.  

QA: STA 463

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: STA 450.  
R: Not open to freshmen and sophomores. Approval of department. Issues of technique, style, and content in printmaking.  

QA: STA 465

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: STA 340.  
R: Not open to freshmen and sophomores. Approval of department. Issues of technique, style, and content in ceramics.  

QP: STA 341 QA: STA 461

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: STA 350.  
R: Not open to freshmen and sophomores. Approval of department. Issues of technique, style, and content in sculpture.  

QP: STA 143

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: STA 360.  
R: Not open to freshmen and sophomores. Approval of department. Issues of technique, style, and content in graphic design.  

QA: STA 462

491F. **Selected Topics-Photography**  
Fall of odd-numbered years, 2 to 3 credits. A student may earn a maximum of 6 credits in all enrollments for this course.  

P: STA 370.  
R: Not open to freshmen and sophomores. Approval of department. Issues of technique, style, and content in photography.  

QA: STA 464

492. **Senior Seminar and Professional Practice**  
Fall, Spring, 2/2-0.  
R: Open only to seniors in Studio Art. Capstone course for artists and designers. Writing as a mode of issue delineation and definition.  

QA: STA 488

495. **Design Internship**  
P: STA 460.  
R: Open only to majors in 400 level design courses. R: Open only to juniors and seniors in Studio Art with photography or graphic design concentrations. Approval of department.  

Open only to students in a working design environment under supervision of a design professional: art director, graphic designer, or photographer.  

QA: STA 491

494. **Design Center**  
P: STA 300.  
R: Approval of department.  

P: 12 credits of 400 level design courses and a portfolio review. R: Open only to majors in the Bachelor of Fine Arts program in Studio Art with a design emphasis. Practicum to the design problem solving, including exten­ sive contact with selected clients at a professional level.  

QA: STA 486

820. **Painting**  
Fall, Spring, 2 to 8 credits. A student may earn a maximum of 40 credits in all enrollments for this course.  

R: Open only to Master of Fine Arts students in Studio Art. Approval of department. Advanced study in a variety of painting media to foster independent development.  

QA: STA 801

830. **Relief Printing**  
Fall, Spring, 2 to 8 credits. A student may earn a maximum of 40 credits in all enrollments for this course.  

R: Open only to Master of Fine Arts students in Studio Art. Approval of department. Theory and practice of relief prints as a means to create expressive imagery.  

831. **Screen Printing**  
Fall, Spring, 2 to 8 credits. A student may earn a maximum of 40 credits in all enrollments for this course.  

R: Open only to Master of Fine Arts students in Studio Art. Approval of department. Theory and practice of screen printing as a means to create expressive imagery.  

832. **Lithography**  
Fall, Spring, 2 to 8 credits. A student may earn a maximum of 40 credits in all enrollments for this course.  

R: Open only to Master of Fine Arts students in Studio Art. Approval of department. Theory and practice of lithography as a means to create expressive imagery.  

833. **Intaglio Printing**  
Fall, Spring, 2 to 8 credits. A student may earn a maximum of 40 credits in all enrollments for this course.  

R: Open only to Master of Fine Arts students in Studio Art. Approval of department. Theory and practice of intaglio printing as a means to create expressive imagery.  

840. **Ceramics**  
Fall, Spring, 2 to 8 credits. A student may earn a maximum of 40 credits in all enrollments for this course.  

R: Open only to Master of Fine Arts students in Studio Art. Approval of department. Advanced study in ceramics to foster independent development.  

QA: STA 800

850. **Sculpture**  
Fall, Spring, 2 to 8 credits. A student may earn a maximum of 40 credits in all enrollments for this course.  

R: Open only to Master of Fine Arts students in Studio Art. Approval of department. Advanced study in a variety of three-dimensional media for individual development.  

QA: STA 800
880. Graphic Design  
Fall, Spring, 2 to 6 credits. A student may earn a maximum of 40 credits in all enrollments for this course.
R: Open only to graduate students in Studio Art. Approval of department required.
Planning and conceptualizing ideas for visual communication problems that are to be expressed in words and/or pictures. Design of research that will explore mastery of visual aesthetics and concepts in information design.
QA: STA 906

882. Seminar in Art Education  
Fall of even-numbered years. 3(3-0)  
R: Approval of department.
Contemporary thought in art education. Current problems examined within an interdisciplinary framework.
QA: STA 925

883. Critical Theory and Aesthetic Experience in Art Education  
Spring of even-numbered years. 3(3-0)  
R: Approval of department.
Theories of art criticism and aesthetic experience. Application of these concepts to art education and related fields.
QA: STA 926

884. Curriculum Design for Art Education  
Fall of odd-numbered years. 3(3-0)  
R: Approval of department.
Principal curriculum models. Factors affecting art curricula. Design and evaluation of curricula for art education.
QA: STA 927

885. Research Methods for Art Education  
Spring of odd-numbered years. 3(3-0)  
R: Approval of department.
Research designs and methodologies applicable to the study of problems in art education. Preparing, conducting, and evaluating a pilot research problem.
QA: STA 928

881. Special Topics in Art Education  
Fall, Spring, Summer. 1 to 2 credits. A student may earn a maximum of 2 credits in all enrollments for this course.
R: Approval of department.
Special topics supplementing regular course offerings proposed by faculty on a group study basis for graduate students.

882. Master of Fine Arts Seminar  
Fall, Spring. 3(0-0)  
R: Open only to Master of Fine Arts students in Studio Art. Approval of department.
Contemporary intellectual issues related to practice in the visual arts. Group critiques of individual and applied research.
QA: STA 921

884. Art Education Research Practicum  
Fall, Spring, 3(0-0)  
R: Open only to master's students in Art Education. Approval of department.
Design and implementation of research in art classrooms.
QA: STA 922, STA 923

887. Master's Project in Art Education  
Fall, Spring. 1 to 2 credits. A student may earn a maximum of 2 credits in all enrollments for this course.
R: Open only to master's students in Art Education. Approval of department.
Final project in capstone course, used in partial fulfillment of Plan B master's degree requirements.

888. Master of Fine Arts Research  
Fall, Spring, 4 to 8 credits in increments of 2 credits. A student may earn a maximum of 16 credits in all enrollments for this course.
P: 12 graduate credits in student's studio art discipline. R: Open only to Master of Fine Arts students in Studio Art.
Individual research project in the student's studio art discipline directed by major professor.

889. Master's Thesis Research  
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 4 credits in all enrollments for this course.
R: Open only to master's students in Art Education. Approval of department.
Directed research leading to a master's thesis, used in partial fulfillment of Plan B master's degree requirements.
QA: STA 899

SURGERY

Department of Surgery College of Human Medicine

608. Basic Surgery Clerkship  
Fall, Spring, Summer. 6 to 12 credits. A student may earn a maximum of 12 credits in all enrollments for this course.
P: FMP 602. R: Open only to graduate-professional students in College of Human Medicine.
Directed research leading to a basic surgery clerkship.
QA: SUR 608

609. Otolaryngology Clerkship  
Fall, Spring, Summer. 6 credits. A student may earn a maximum of 18 credits in all enrollments for this course.
P: SUR 608. R: Open only to graduate-professional students in College of Human Medicine.
Common otolaryngologic disorders, emergencies, diagnosis and treatment. Primary physician's judgment about management.
QA: SUR 609

610. Plastic Surgery Clerkship  
Fall, Spring, Summer. 6 credits. A student may earn a maximum of 18 credits in all enrollments for this course.
P: SUR 608. R: Open only to graduate-professional students in College of Human Medicine.
Principles of wound healing and tissue repair. Indications and applications of plastic surgery procedures.
QA: SUR 610

611. Urology Clerkship  
Fall, Spring, Summer. 6 credits. A student may earn a maximum of 18 credits in all enrollments for this course.
P: SUR 608. R: Open only to graduate-professional students in College of Human Medicine.
Demonstration of clinical manifestations of genitourinary disease, investigational methods and techniques of diagnosis and management. Urinary emergencies and performance of basic urologic skills.
QA: SUR 611

613. Orthopedic Surgery Clerkship  
Fall, Spring, Summer. 6 credits. A student may earn a maximum of 18 credits in all enrollments for this course.
P: SUR 608. R: Open only to graduate-professional students in College of Human Medicine.
Diagnosis and management skills in common orthopedic problems. Orthopedic emergencies.
QA: SUR 613

614. Neurosurgery Clerkship  
Fall, Spring, Summer. 6 credits. A student may earn a maximum of 18 credits in all enrollments for this course.
P: SUR 608. R: Open only to graduate-professional students in College of Human Medicine.
Common emergency and elective neurological problems involving the brain, spine, and peripheral nerves. Neurological examinations, diagnostic methods.
QA: SUR 614

615. Ophthalmology Clerkship  
Fall, Spring, Summer. 6 credits. A student may earn a maximum of 18 credits in all enrollments for this course.
P: SUR 608. R: Open only to graduate-professional students in College of Human Medicine.
Medical and surgical treatment of eye diseases. Clinical experiences include private office practice, surgical observations, and post-operative care.
QA: SUR 615

618. Anesthesia Clerkship  
Fall, Spring, Summer. 6 credits. A student may earn a maximum of 18 credits in all enrollments for this course.
P: SUR 608. R: Open only to graduate-professional students in College of Human Medicine.
Common anesthetic urgencies. Performing anesthetic procedures under faculty supervision.
QA: SUR 618

621. Surgical Nutritional Care Clerkship  
Fall, Spring, Summer. 6 credits. A student may earn a maximum of 18 credits in all enrollments for this course.
P: SUR 608. R: Open only to graduate-professional students in College of Human Medicine.
Advanced experience in critical care, trauma, and nutrition. Students must successfully complete several technical bedside procedures with more responsibility for patient care than in SUR 608.
QA: SUR 620

801. Shock and Metabolism  
Fall. 4-6 credits. R: Open only to M.S. students in Surgery.
Results of prolonged reduction in tissue perfusion on tissue metabolism, structure, and function at the systemic, cellular and subcellular levels. Pharmacologic interventions useful in volume resuscitation. Temporary approval effective from Fall Semester 1992 through Summer Semester 1994.
QA: SUR 591

802. Clinical Surgical Anatomy  
Spring. 4(2-4) A student may earn a maximum of 6 credits in all enrollments for this course.
R: Open only to Master's students in Surgery.
QA: SUR 802