

**Descriptions—Studio Art
of
Courses**

STUDIO ART

STA

**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.

QA: STA 141

111. Drawing II

Fall, Spring. 3(0-6)

P: STA 110.

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.

QA: 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.

QA: STA 142

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.

QA: 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.

QP: STA 242 QA: 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.

320. 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.

QP: STA 141, STA 142 QA: STA 255

325. Painting II

Fall, Spring. 3(0-6)

P: STA 320.

Continuation of representational painting, and introduction to non-representational painting and concepts.

QP: STA 255 QA: 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.

QP: STA 141, STA 143 QA: 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.

QP: STA 240, STA 241 QA: STA 341

350. Figure Modeling

Fall, Spring. 3(0-6)

P: STA 111, STA 113, STA 114.

Modeling human and natural forms.

QP: STA 141, STA 143 QA: 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.

QP: STA 143 QA: STA 228

354. Casting

Fall, Spring. 3(0-6)

P: STA 111, STA 113, STA 114.

Casting concepts and techniques as a means of artistic expression.

QP: STA 228 QA: STA 328

355. Construction and Fabrication

Fall, Spring. 3(0-6)

P: STA 111, STA 113, STA 114.

Sculptural concepts using methods of construction and fabrication as an approach to artistic expression.

QP: STA 228 QA: STA 328

360. Graphic Design

Fall, Spring. 3(0-6)

P: STA 111, STA 113, STA 114.

Graphic signs and symbols used in visual communication. Application of design principles to experimental and practical problem solving.

QP: STA 141, STA 142 QA: 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 camera and all materials.

QP: STA 141, STA 142 QA: STA 200

**380. Art for Early Childhood and
Elementary Education**

Fall, Spring. 3(1-4)

R: Not open to freshmen and sophomores. Not open to students in the Department of Art.

Creative art experience and its application for children. Children's growth and development in art. Studio activities, readings, and discussion.

QA: STA 310

**381. Learning Strategies, Concepts,
Resources and Materials for Art
Education**

Spring. 4(0-8)

R: Not open to freshmen and sophomores. Open only to majors in the Department of Art with a teacher certification option.

Children's growth and development in art. Concepts, processes, and materials applied to art teaching. Writing assignments and field trips required.

QA: STA 303

400. Advanced Drawing

Fall, Spring. 4(0-8)

P: 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.

QP: STA 340 QA: STA 430

405. Metalsmithing

Fall of even-numbered years. 4(0-8)

P: STA 111, STA 113, STA 114.

Forming, joining, finishing and embellishing processes for metals to create small sculpture or jewelry.

QP: STA 141, STA 142, STA 143 QA: 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.

QP: STA 355, STA 356, STA 357 QA: STA 455

430. Relief Printing

Fall 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 300 or STA 320.

Theory and practice of relief prints including additive methods, linocut and woodcut.

QP: STA 141, STA 142 QA: 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.

QP: STA 305 QA: 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 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.

QP: STA 306 QA: 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 300 or STA 320.

Aesthetic principles and techniques such as line etching, soft ground, aquatint, dry point, wax resist, collograph, and monoprints.

QP: STA 142, STA 241 QA: 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 300 or STA 320.

Handmade paper as an art form. Basic techniques including lamination, layering, folding and vacuum forming.

QA: 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.

QP: STA 341 QA: 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: At least two courses from the sequence 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.

QP: STA 328 QA: STA 428

460. 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.

QP: STA 231 QA: STA 381

462. Three-Dimensional Design

Spring. 4(0-8)

P: STA 460.

Development and application of visual communication elements for three-dimensional structures and compound surfaces within a broad range of scale.

QP: STA 231, STA 143 QA: STA 382

- 463. Book Design**
Fall, 4(0-8)
P: STA 460.
Principles of typography and graphic design as applied to the book form.
QP: STA 231 QA: STA 383
- 464. Design Process and Concepts**
Fall, 4(0-8)
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**
Spring, 4(0-8)
P: STA 460.
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**
Fall, 4(0-8)
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**
Fall, 4(0-8)
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**
Spring, 4(0-8)
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**
Fall, Spring, 4(2-4)
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**
Spring, 4(2-4)
P: STA 470.
Principles of color photography. Vision, perception, and photographic science and art. Effect of color on content. Color negative process and printing.
QP: STA 300 QA: STA 372
- 473. Landscape Photography**
Fall, 4(2-4)
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 printmaking and zone sy
QP: STA 300
- 474. Photography Studio Lighting**
Fall, 4(2-4)
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**
Spring, 4(1-6)
P: STA 470.
Non-traditional photographic processes and concepts. Non-silver printmaking, 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**
Fall, 4(0-8)
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 303 QA: STA 320
- 482. Art Experiences with Children and Youth: Secondary**
Spring, 4(0-8)
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 303 QA: STA 320
- 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.
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: One 400 level course in printmaking. 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: One 300 level course in sculpture. 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
- 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: 12 credits in 400 level design courses. R: Open only to juniors and seniors in Studio Art with photography or graphic design concentrations. 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.
QA: STA 497
- 494. Design Center**
Fall, Spring, 4(4-0)
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 in design problem solving, including extensive 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.
QA: STA 810
- 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.
QA: STA 809
- 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 804
- 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 to foster individual development.
QA: STA 803

**Descriptions—Studio Art
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860. Graphic Design

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 graduate students in Studio Art. Approval of department.

Planning and conceptualizing ideas for visual communication problems that are to be expressed in words and/or pictures. Design of research that will expose a mastery of visual aesthetics and concepts in information design.

QA: STA 806

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 825

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 826

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 827

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 828

891. 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.

892. Master of Fine Arts Seminar

Fall, Spring, Summer. 3(3-0) A student may earn a maximum of 12 credits in all enrollments for this course.

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 scholarly and applied research.

894. Art Education Research Practicum

Fall, Spring. 3(0-6) A student may earn a maximum of 6 credits in all enrollments for this course.

R: Open only to master's students in Art Education. Approval of department.

Design and implementation of research in art classrooms.

QA: STA 821, STA 822

897. 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 art education, used in partial fulfillment of Plan B master's degree requirements.

898. 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.

899. 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 A master's degree requirements.

QA: STA 899

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, pre-and post-operative care.

QA: SUR 615

616. Thoracic 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.

Problem solving in thoracic medicine and surgery. Pulmonary physiology. Diagnostic tools and tests, and indications for surgical procedures.

QA: SUR 616

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 agents. Performing anesthetic procedures under faculty supervision.

QA: SUR 618

619. Sub-specialty 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.

Surgical domains not covered otherwise or in which students desire further exposure.

QA: SUR 619

620. Advanced Surgery Clerkship

Fall, Spring, Summer. 6 credits.

P: SUR 608, MED 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

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.

Clinical experience with nutrition team dealing with surgical and medical patients requiring therapeutic nutrition as a result of metabolic derangement and nutritional deficiencies.

QA: SUR 621

801. Shock and Metabolism

Fall. 4(4-0)

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 801

802. Clinical Surgical Anatomy

Spring. 4(2-4) A student may earn a maximum of 6 credits in all enrollments for this course.

Interdepartmental with Anatomy.

R: Open only to Master's students in Surgery.

Review of surgical anatomy. Detailed anatomical information through lecture and dissection sessions. Clinical interpretation of anatomy and surgical approaches.

QA: SUR 802

SURGERY

SUR

**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.

The surgical patient, surgical diagnosis, pre-operative evaluation and post-operative care.

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 judgments 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 genito-urinary disease, investigative methods and techniques of diagnosis and management. Urologic 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 emergent and elective neurosurgical problems involving the brain, spine, and peripheral nerves. Neurological examinations, diagnostic methods.

QA: SUR 614