

## ARC

### **ARC 105      Intro to Computer Arts      3.0 UNITS**

This course provides an introductory level exploration of the Macintosh Operating System; print, interactive and time-based graphics applications; typography; and color theory for print, web and video. Students will also learn conceptual, historical, and theoretical aspects of art and design made with digital media. 3 hours lecture/1 hour lab

### **ARC 106      Digital Imaging      3.0 UNITS**

This course provides students with the necessary knowledge and techniques for the creation and manipulation of photographic digital images using digital cameras and scanners for input, Photoshop for editing and manipulation, and photo quality inkjet printers for output. Assignments and discussions address critical issues in contemporary digital practices.

### **ARC 115      3D Digital Design for Fabrication      3.0 UNITS**

The course provides students with the foundation knowledge of the technical and creative aspects of digital three-dimensional design that will allow students to conceive, edit and fabricate objects using 3D scanners, 3D modeling software and 3D printers.

### **ARC 120      Digital Photography      3.0 UNITS**

This course offers fundamental understanding on how to operate a DSLR (Digital Single-Lens Reflex) camera, including manual controls, and execute a photography workflow of conceptualization, shooting, file management, digital outputs and inkjet printing. Through hands-on explorations of composition, light, framing, and editing combined with studies of various genres and artists, students will learn to communicate conceptual ideas through photography. At the culmination of this course each student will exhibit a body of printed work on a chosen theme. A DSLR camera kit is provided to each student taking this course, as is access to the photo studio and print lab. Outside-of-class time in the studio and lab may be required to effectively complete all assignments. Lab hours reinforce concepts introduced during lecture.

### **ARC 107      Print Design      3.0 UNITS**

This course will provide students with the necessary technical, conceptual and aesthetic knowledge to create effective designs for print that comprehensively communicate ideas through visual graphic form. Preparation of photos, graphics and text for use in layout and design will be thoroughly addressed. The use

of typography and its integration with images to communicate specific ideas and content to a desired audience will also be a main focus of the course. Adobe InDesign, Illustrator and Photoshop software applications will be utilized.

### **ARC 109      Interactive/Web Design      3.0 UNITS**

This course will provide students with the necessary conceptual knowledge of the visual aesthetics of interactive design. Students will design websites that use intuitive visual layouts and interactivity to communicate information and ideas to a specific audience. The course also covers the basic technical skills required to prepare images and content for the web. The Adobe Dreamweaver software application will be utilized in this course.

### **ARC 201      Digital Video      3.0 UNITS**

Through lectures, demonstrations and project-based assignments, students will acquire knowledge of digital video preproduction, production and postproduction by studying treatment and storyboard design, lighting techniques, shot composition using high-definition video cameras, editing video and sound, creating title sequences, compositing video, compressing data, and publishing digital video. Industry standard desktop video and audio editing software applications will be utilized. This course will also examine the role digital video and moving images have played in contemporary art, documentation, and mass media. Equipment will be supplied.

### **ARC 202      Digital Animation      3.0 UNITS**

This course provides students with the necessary knowledge and skills to create dynamic two-dimensional digital animation and motion graphics. Students will acquire the analytical and critical thinking skills required to conceive, produce and publish original digital animations utilizing industry standard software applications. Students will use storyboarding, rotoscoping, animated typography, original character development and scene production techniques. 2D animation fundamentals as well as concepts of motion and continuity will be thoroughly covered in this course. This course will also briefly introduce 3D compositing and interactivity. Equipment will be supplied.

### **ARC 280      Computer Portfolio and Presentation      3.0 UNITS**

Computer Arts Portfolio and Presentation provides student artists and designers with the knowledge to meet both their educational and professional goals.

Students will prepare their work to be presented to both future clients and employers as well as for admission to senior academic institutions. Students will acquire conceptual knowledge and technical skills to effectively present their work in many formats including as a printed portfolio, a web-based portfolio, a video reel for animation and video works, an interactive video disk, in an exhibition setting and as a multimedia presentation to an audience. The course will culminate with an exhibition and presentation of students' work. Computer Arts Portfolio and Presentation is the Capstone course for the A.F.A. Studio Arts - Computer Arts Option.