

VISUAL ARTS, FOUNDATION COURSE OUTLINE

Course Title: DD 1170 Digital Imagery 3D II 3(1-0-2)

Dates:

Class Time:

Class Location:

Instructor:

Office:

Phone:

E-mail:

Prerequisite: DD 1160

Calendar Description: DD 1170 is a studio art course in which students will develop expertise in the creation and animation of three dimensional computer generated images (CGI). This course is project based and a continuation of DD 1160. It is designed to extend the skills which students acquired in that course by applying those skills to major collaborative projects.

Note: DD 1160 and DD 1170 are not programming courses. They are designed for students interested in learning to use existing tools for creating 3 dimensional images, developing personal expertise with those tools, and understanding the resulting aesthetic.

Course in Perspective: Students will:

- a. Acquire a solid understanding of the concepts and principles of 3D object creation.
- b. Develop a significant level of expertise in the use of specific computer tools applicable to 3D CGI.
- c. Learn to work in a collaborative team environment.
- d. Produce a portfolio of work which demonstrates their knowledge and expertise.

Topics will expand upon knowledge and skill developed in DD 1160 with major emphasis placed upon:

An introduction to project design and management for animation, Inverse Kinematics for character animation, 3D morphing, Particle animation.

Assignments:

Projects and assignments will be designed develop skills and expertise in the use of the appropriate tools for creating 3D CGIs and provide students with an opportunity to collaborate on larger projects. Possible collaborations will include students from the Visual Arts program, the Music component of Digital Design Studies and/or Computer Sciences. A portfolio of work which demonstrates the students growth, level of expertise acquired and contribution to collaborative projects will be required.

Evaluation:

Progress reports	35%
Final portfolio	45%
Participation	20%

Note:

More than 10% absenteeism may constitute a failure, except for medical or extenuating circumstance, in which case a doctor's letter will be required.