THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

Capstone Design: Computer Animation

CSE 5913

Credit Hours:
4.00

Course Levels:
Undergraduate (1000-5000 level)
Graduate (5000-8000 level)

Course Components:
Lecture

Course Description:
Capstone design project: conceptual and technical design and implementation of computer animation incorporating animation elements; teamwork, written and oral communication skills.

Prerequisites and Co-requisites:
Prereq: 3541 or 5541, and 2501 or Philos 1338, and CSE 3901 or 3902 or 3903, and second writing course; or Grad standing.

Course Goals / Objectives:
- Master synthesizing and applying prior knowledge to designing and implementing solutions to open-ended computational problems while considering multiple realistic constraints
- Be competent in evaluating design alternatives
- Be competent with software design and development practices and standards
- Be familiar with researching and evaluating computing tools and practices for solving given problems
- Be competent with deadline driven projects in a team setting
- Be competent with issues of project management, such as teamwork, project scheduling, individual and group time management
- Be competent with presenting work to a group of peers
- Be familiar with presenting work to a range of audiences
- Be competent with techniques for effective written communication for a range of purposes (user guides, design documentation, storyboards etc.)
- Be familiar with analyzing professional issues, including ethical, legal and security issues, related to computing projects

Course Topics:
- Class software familiarization
- Technical group reports
- Animation group progress reports
- Group work days
- Project organization
- Post-processing: sound, compositing, editing

Designation:

Elective