
CSE 464 Advanced Topics in Digital Animation

Credits

1.0 (seminar)

Lead Instructor

Barbara Mones

Textbook

None

Course Description

Students design individual animated works for professional quality demo reels. 2- and 3-D animatics, special effects design, advanced character animation techniques, 3-D paint techniques and integration, short design, sequence planning, non-photorealistic rendering options, interactive animation for pre-planning, and advanced production techniques and strategies.

Prerequisites

CSE 458.

CE Major Status

None

Course Objectives

Each student will produce and direct their own animated short project. This short may be used for their demoreel in order to apply for industry positions. Much of the work will be individual and some will be team based.

ABET Outcomes

N/A

Course Topics

- professional quality demo reels
- direction for animated shorts
- production roles for animated shorts
- advanced 2- and 3-D animatics
- advanced special effects design
- advanced character animation techniques
- 3-D paint techniques and integration
- shot and sequence planning
- options for non-photorealistic rendering
- animation for pre-visualization
- advanced production techniques and strategies