Digital Cinema
Course Description

Students will work with the latest digital cinema technologies and workflows to create short narrative films. Students will develop, script, and storyboard films, then plan and execute shoots. During post-production students will employ the latest professional practices to edit, color grade, mix, finish, and author their films for final presentation.

Justification
This course provides advanced exploration into narrative filmmaking using digital cinema technology and workflows. Students learn valuable techniques involved in developing narrative films with professional digital tools.

Course Content
Core Competencies: The core competencies of this course include the following:

- How to write a short narrative film
- How to coherently represent cinematic space
- How to plan and coordinate for a successful narrative film shoot
- How to use an advanced 2.5K Ultra High-Definition digital cinema camera with a RAW workflow
- How to light on location for dramatic content
- How to record production audio
- How to work with tapeless image acquisition
- How to edit narrative material employing industry standard processes and digital tools
- How to operate and manage a RAW post-production workflow

Teaching Methods

This course is lecture/lab-based and consists of student activities in a project-based development process.

Learning Outcomes and Objectives

Upon completion of this course, students will:
- Have created a narrative film employing digital cinema technology and techniques.
- Have developed an advanced understanding (through assessing and solving numerous pertinent issues) of the pre-production, production and post-production requirements for a 10+ minute narrative film.
- Have developed an advanced skill set with the tools of digital cinema production: digital cinema cameras, film lights, grip equipment, microphones, etc.
- Have developed a comprehensive and advanced understanding of techniques involved in the successful depiction of cinematic space.
- Have developed an advanced understanding of the UHD video signal, including a fluency in the terminology associated with UHD video technology, production and post-production.
- Have explored the creative possibilities of the digital tools of post-production and produced advanced and sophisticated content.
- Have developed an advanced understanding of the tools involved in post-production: Editing techniques with Avid Media Composer and color grading with DaVinci Resolve, including the use of picture profiles and LUTs.