

# Minnesota State University Moorhead

## FILM 265: 16mm Production

### A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: 4

Lab Hours/Week: 0

OJT Hours/Week: \*.\*

Prerequisites:

This course requires the following prerequisite  
FILM 175 - Video Production

Corequisites: None

MnTC Goals: None

Theory and practice for the pre- professional filmmaker. Students learn to operate basic motion picture equipment. Projects include planning, shooting, and editing short films. Students will develop proficiency in the operation of film equipment needed to produce beginning level 16mm black and white reversal film projects. This includes 16mm film cameras, lighting, sound, and editing equipment.

**B. COURSE EFFECTIVE DATES:** 02/02/2019 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. 16mm MOS Cameras
  - A. Lens usage and technique
    - i. focal length
    - ii. aperture
    - iii. focus
  - B. Emulsion
  - C. Frame rate
  - D. Viewfinder systems
  - E. Shutter
  - F. Power/ Crank
  - G. Loading
  - H. Operation
2. Light Meter
  - A. ASA/ISO
  - B. Metering positions
  - C. Metering Technique: Sekonic Manual Light Meter
3. Lighting for Film
  - A. Lighting using Light Meter
4. 16mm Analog Editing
  - A. Operation of Rewinds and Guillotine Splicer
  - B. Analog Editing Technique
5. Non-Synchronous Audio for MOS 16mm Film
  - A. Operation of Marantz PMD 660
  - B. Creating original SFX
  - C. Spotting film edit and frame counting
  - D. Creation of sound track in post-production software
6. Collaboration on 16mm Film Projects.
7. Aesthetics.

**D. LEARNING OUTCOMES (General)**

1. Students will be able to complete several short 16mm MOS or asynchronous film projects on deadline in collaborative groups or as individuals.
2. Students will use 16mm lighting technology and technique in the service of project creation.
3. Students will use audio technology in the service of project creation.
4. Students will use 16mm film analog editing and nonlinear digital editing technology in the service of project creation.
5. Students will be able to operate 16mm MOS film cameras and the related camera support systems.
6. Students will be able to solve exposure problems and define key 16mm terms.

**E. Minnesota Transfer Curriculum Goal Area(s) and Competencies**

None

**F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted