MASTER SYLLABUS

COURSE NUMBER – COURSE NAME
GMMD 311 – Video Effects and Post-Production

Created by: Morgan Elliot
Updated by: Christopher Sweeney

Canino School of Engineering Technology
Department: Decision and Graphic Media Systems
Semester/Year: Fall 2018
A. **TITLE:** Video Effects and Post-Production

B. **COURSE NUMBER:** GMMD 311

C. **CREDIT HOURS:** (Hours of Lecture, Laboratory, Recitation, Tutorial, Activity)

   # Credit Hours: 3
   # Lecture Hours: 3 per week
   # Lab Hours:  per week
   Other:  per week

   **Course Length:** 15 Weeks

D. **WRITING INTENSIVE COURSE:** Yes ☐ No ☒

E. **GER CATEGORY:** None: ☒ Yes: GER
   
   *If course satisfies more than one:* GER

F. **SEMESTER(S) OFFERED:** Fall ☐ Spring ☐ Fall & Spring ☒

G. **COURSE DESCRIPTION:**

   This course is an introductory course that will include broadcast and film standards, equipment function, and basic aesthetics. The coursework will focus on properly utilizing camera specifications, basic lighting concepts, and audio equipment settings. Students will learn aesthetic techniques and be expected to combine those techniques with their knowledge of the basic equipment.

H. **PRE-REQUISITES:** None ☒ Yes ☐ If yes, list below:

   **CO-REQUISITES:** None ☒ Yes ☐ If yes, list below:
I. **STUDENT LEARNING OUTCOMES:** *(see key below)*

By the end of this course, the student will be able to:

<table>
<thead>
<tr>
<th>Course Student Learning Outcome [SLO]</th>
<th>Program Student Learning Outcome [PSLO]</th>
<th>GER [If Applicable]</th>
<th>ISLO &amp; SUBSETS</th>
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<tbody>
<tr>
<td>Demonstrate basic camera functions through readings, lectures, and hands-on application.</td>
<td>Professional Detail</td>
<td>5-Ind, Prof, Disc, Know Skills ISLO ISLO</td>
<td>Subsets Subsets Subsets Subsets</td>
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<td>Evaluate aesthetic variables of video based on industry examples.</td>
<td>Design Critique</td>
<td>5-Ind, Prof, Disc, Know Skills ISLO ISLO</td>
<td>Subsets Subsets Subsets Subsets</td>
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<td>Create lighting setups for both interviews and dramatic settings.</td>
<td>Professional Detail</td>
<td>5-Ind, Prof, Disc, Know Skills ISLO ISLO</td>
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<td>Demonstrate the use of audio equipment for interviews, location shooting, and foley work.</td>
<td>Professional Detail</td>
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<td>Subsets Subsets Subsets Subsets</td>
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<td>Recognize practical uses of equipment for different production scenarios.</td>
<td>Professional Detail</td>
<td>5-Ind, Prof, Disc, Know Skills ISLO ISLO</td>
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<td>Apply equipment knowledge and techniques to on set production.</td>
<td>Professional Detail</td>
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<td>ISLO #</td>
<td>Institutional Student Learning Outcomes [ISLO 1 – 5]</td>
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<td>Communication Skills</td>
<td>Oral [O], Written [W]</td>
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<td>2</td>
<td>Critical Thinking</td>
<td>Critical Analysis [CA], Inquiry &amp; Analysis [IA], Problem Solving [PS]</td>
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<td>3</td>
<td>Foundational Skills</td>
<td>Information Management [IM], Quantitative Lit./Reasoning [QTR]</td>
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<td>Social Responsibility</td>
<td>Ethical Reasoning [ER], Global Learning [GL], Intercultural Knowledge [IK], Teamwork [T]</td>
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<td>5</td>
<td>Industry, Professional, Discipline Specific Knowledge and Skills</td>
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*Include program objectives if applicable. Please consult with Program Coordinator!
J. **APPLIED LEARNING COMPONENT:**

Yes ☑ No ☐

If YES, select one or more of the following categories:

- Classroom/Lab
- Internship
- Clinical Placement
- Practicum
- Service Learning
- Community Service
- Civic Engagement
- Creative Works/Senior Project
- Research
- Entrepreneurship

K. **TEXTS:**

  Edition: Seventh Edition

L. **REFERENCES:**

- Films from campus library/Video Streaming Service

M. **EQUIPMENT:**

None ☐ Needed: University supplied equipment, canon t3i dslr cameras, sony nxcr camcorder, rode shotgun microphones, cowboy studio soft boxes and led light panels

N. **GRADING METHOD:**

- A-F

O. **SUGGESTED MEASUREMENT CRITERIA/METHODS:**

- Final Project
- Midterm
- Weekly Assignments
- Progress
- Participation

P. **DETAILED COURSE OUTLINE:**

I. Week 1: Broadcast and Film Standards
   - A. Resolution
   - B. Frame rates
   - C. Aspect Ratio
   - D. NTSC vs PAL
   - E. Codecs
   - F. File types and File Size
   - G. Introduce Weekly Assignment Expectations
II. Week 2: Camera Basics One
   A. Aperture/Iris
   B. F-stop
   C. Focusing, Depth of Field
      D. White balancing
   E. Assignment 1: Analysis of designated film clip

III. Week 3: Camera Basics Two
    A. Sensor and ISO
    B. RGB curves
    C. Waveform monitor
    D. Hands-on Learning (Split into groups, work with equipment)
    E. Assignment 2: Analysis of designated film clip

IV. Week 4: Camera Mounts and Movement
    A. Using a tripod
    B. Using shoulder mount
    C. Stabilizers
    D. Pan, Tilt, Dolly, Truck, Crane
    E. Assignment 3: Analysis of designated film clip

V. Week 5: Frame Composition and Sequences
    A. Rule of thirds
    B. Headroom/Leading room
    C. Cross Camera Cutting/180 degree rule
    D. Single camera setup
    E. Assignment 4: Analysis of designated film clip

VI. Week 6: Specifications (What to look for when choosing cameras and lenses)
    A. Color (Bit) Depth
    B. Dynamic Range
    C. Resolution and Framerates
    D. Low Light Capabilities
    E. Zoom and Prime Lenses
    F. F-stop, Depth of Field
    G. Compression
    H. Assignment 5: Comparative Analysis of (2) clips, focusing on Specs.

VII. Week 7: Audio
    A. Types of microphones and their uses
    B. Methods of capturing audio
    C. Monitoring audio levels
    D. Types of audio files
    E. Assignment 6: Audio analysis of designated film clip

VIII. Week 8: Lighting and Midterm
      A. Midterm Exam (Weeks 1-7)
      B. Assign Final Project
C. Types of lights and their uses
D. Lighting for interviews
E. Dramatic lighting

IX. Week 9: Lighting Two
A. Practical lighting
B. Reflectors and natural light
C. Color Temperature
D. Assignment 7: Analysis of lighting in designated film clip

X. Week 10: Aesthetic Choices One
A. Telephoto vs. Wide Angle
B. Lines
C. Framing
D. Angles
E. Assignment 8: Analysis of aesthetic choices in designated film clip

XI. Week 11: Aesthetic Choices Two
A. Perspective, horizon lines
B. Timing, pace
C. Space
D. Assignment 9: Analysis of aesthetic choices in designated film clip

XII: Week 12: Aesthetic Choices Three
A. Blocking
B. Camera Movement
C. X, Y, Z orientation
D. Depth
E. Assignment 10: Analysis of aesthetic choices in designated film clip

XIII: Week 13: Aesthetic Choices Four
A. Sound as an indicator
B. Ambient Sound
C. Music
D. Narration

XIV: Week 14: View and Critique Final Projects

XV: Week 15: View and Critique Final Projects

Q. LABORATORY OUTLINE: None ☑ Yes ☐