CMS 360 Digital Imaging
Credit Hours: 3
Scheduled hours per week
Lecture: 3
Lab:
Other:

Catalog Course Description: Methodologies and techniques for using both traditional photography and the computer in creating and manipulating digital imagery. Students will explore a variety of creative techniques for producing, editing, and altering images using computers, software, and digital tools.

Pre-requisites: NA

Co-requisites: NA

Course Learning Outcomes:
At the conclusion of the course, students should be able to:
1. Apply techniques of image capture and importation.
2. Explain digital image structure: pixel dimensions, document size, and resolution.
3. Explain RGB and CMYK color modes: characteristics and uses.
4. Discussion of tools and functionality of Adobe Photoshop.
5. Practice using Adobe Photoshop and supporting technologies to produce visual imagery.
6. Apply photo-editing skills to optimize images using appropriate software and techniques.
7. Apply production skills to produce graphic files for output from digital imagery.

Topics to be studied:
At the conclusion of the course, students will have a basic understanding of the following:
- Digital file basics
- Photographic composition
- Photographic layers
- Photographic effects
- Filters
- Image enhancement

Relationship of Course to Discipline Learning Outcomes	
Students will demonstrate an ability to select the appropriate channels to communicate effective messages.	x
Students will demonstrate an ability to evaluate and critique their own and others' communication.	x
Students will exhibit strong listening skills.	x
Students will demonstrate an ability to produce strategic communication materials that are clear, accurate, thorough, cogent, and fair.	x
Students will demonstrate an ability to apply communication theory and mass communication principles to real-life situations.	x
Students will exhibit creativity and innovation in the delivery of messages.	x
Students will competently analyze an audience to create effective messages.	x
Students will articulate the role of ethics in media and communication.	x

Relationship of Course to General Education Learning Outcomes:	
Composition and Rhetoric Students illustrate a fundamental understanding of the best practices of communicating in English and meet the writing standards of their college or program-based communication requirements.	x
Science & Technology Students successfully apply systematic methods of analysis to the natural and physical world, understand scientific knowledge as empirical, and refer to data as a basis for conclusions.	
Mathematics & Quantitative Skills Students effectively use quantitative techniques and the practical application of numerical, symbolic, or spatial concepts.	
Society, Diversity, & Connections Students demonstrate understanding of and a logical ability to successfully analyze human behavior, societal and political organization, or communication.	x
Human Inquiry & the Past Students interpret historical events or philosophical perspectives by identifying patterns, applying analytical reasoning, employing methods of critical inquiry, or expanding problem-solving skills.	x
The Arts & Creativity Students successfully articulate and apply methods and principles of critical and creative inquiry to the production or analysis of works of art.	

Special requirements of the course:
Student must maintain a portfolio of all work throughout the semester.

Additional information:

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