

# PH 3775 - NIGHT PHOTOGRAPHY

Credits: 3

This class will focus on making images at night and in low-light situations through the use of long exposures and image stacking. Students in this course will create elaborate pre-visualized night images incorporating light painting in populated areas, as well as exploring the night sky away from the light pollution of our urban environment. Astrophotography, planning for movement in the night sky, working in teams over large spaces with no visual contact, and specialized equipment are explained in this course.

Prerequisites: PH 3450 - Advanced Digital Imaging

Notes: e.g. New Course in 2020-21 Curriculum

Course Learning Outcomes:	Exceeding	Meeting	Developing	Not meeting	Program Outcomes	Institutional Outcomes
Demonstrate a broader understanding of, and appreciation for, the field of Astronomy and Meteorology through the creation of detailed plans for night photography expeditions.	Student's work synthesizes a broader understanding of, and appreciation for, the field of Astronomy and Meteorology through the creation of detailed plans for night photography expeditions.	Student's work demonstrates a broader understanding of, and appreciation for, the field of Astronomy and Meteorology through the creation of detailed plans for night photography expeditions.	Student's work implies a developing understanding of, and appreciation for, the field of Astronomy and Meteorology through the creation of detailed plans for night photography expeditions.	Student's work does not demonstrate a broader understanding of, and appreciation for, the field of Astronomy and Meteorology through the creation of detailed plans for night photography expeditions.	PH1, PH2, PH3, PH4	Design Competence, Communication Competence, Cultural Competence, Critical Thinking
Evaluate low-light scenes and make the appropriate technical choices to capture images that contain a full range of tones and low noise levels.	Student's work synthesizes the ability to evaluate low-light scenes and make the appropriate technical choices to capture images that contain a full range of tones and low noise levels.	Student's work demonstrates the ability to evaluate low-light scenes and make the appropriate technical choices to capture images that contain a full range of tones and low noise levels.	Student's work implies a developing ability to evaluate low-light scenes and make the appropriate technical choices to capture images that contain a full range of tones and low noise levels.	Student's work does not demonstrate the ability to evaluate low-light scenes and make the appropriate technical choices to capture images that contain a full range of tones and low noise levels.	PH1, PH3	Design Competence, Cultural Competence, Critical Thinking
Demonstrate an understanding of light-painting through the creation of images using long exposures in low-light.	Student's work illustrates an advanced understanding of light-painting through the creation of images using long exposures in low-light.	Student's work demonstrates an understanding of light-painting through the creation of images using long exposures in low-light.	Student's work infers an understanding of light-painting through the creation of images using long exposures in low-light.	Student's work fails to demonstrate an understanding of light-painting through the creation of images using long exposures in low-light.	PH1, PH2, PH3	Design Competence, Communication Competence, Cultural Competence, Critical Thinking
Create a portfolio of images using long exposures in low-light that express a cohesive concept or narrative using one visual style.	The student has produced a professional portfolio of images using long exposures in low-light that express a cohesive concept or narrative using cohesive one visual style.	The student has created a portfolio of images using long exposures in low-light that express a cohesive concept or narrative using one visual style.	The student has created portfolio of images that demonstrates a developing use of long exposures in low-light that express a cohesive concept or narrative.	The student has not created a portfolio of images using long exposures in low-light that express a cohesive concept or narrative using one visual style.	PH1, PH2, PH3, PH4	Design Competence, Communication Competence, Cultural Competence, Critical Thinking