UC San Diego

Photography and Science

Photography as a tool for science communication

Course Information

Course Description	*This course will introduce you to a wide variety of topics related with how photography is used as a tool for marine sciences research, but also as a tool for science communication projects. There will be a review of the history of underwater equipment, but also discussions of successful projects that are using this technology around the world.*
Credits	*1 hr/wk.*
Instructor	*Octavio Aburto*
Office hours	*By appointment (preferably set up via email)*

Course Learning Outcomes

Upon completion of this course, students will be able to:

1. Understand the importance of photography for scientific projects
2. Recognize the different ways photography can be used in science and research projects
3. Create a storytelling based on a photography portfolio to communicate science

Date	Lecture Topic
1. Jan 9	History of photography and science
2. Jan 16	Storytelling and conservation biology
3. Jan 23	Expeditions and logistic challenges
4. Jan 30	Support of aerial photography for ecosystems documentation
5. Feb 6	Underwater photography and overfishing
6. Feb 13	Long-term photography projects and recovery of nature
7. Feb 20	Importance of communication of ecosystem services
8. Feb 27	Documentation of climate change effects
9. Mar 5	Ecosystem shared by different countries
10. Mar 12	Sea level rise and graphical documentation

Summary of Grade Criteria

Items	Points	Weight	Due Date
Attendance		80 %	
Participation		20 %	
		100%	

Grading Scale

A = 90-100% **B** = 80-89% **C** = 70-79% **D** = 60-69% **F** = 59%-below