

Course Number: BSC 5936 (1 credit)

Course Title: Glaser Seminar

Instructor: Dr. Yuying Zhang, BBC 358,
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Class Time: Jan 30th 2017 – Feb 3rd 2017

Office Hours: T 13:00 - 16:00 & Th 13:00 - 14:00

Class Location: Academic seminar
(MMC WC-130 & BBC MSB-105 15:00-16:00)
Public seminar
(BBC AC1-194 Wed 19:00-20:30)
Career workshop
(MMC WC-130 & BBC MSB-105 Thr 13:00-14:30)

Course Justification:

The Glaser Seminar was initiated in 1989 by an endowment from Dr. Stanley Glaser. Every year, Dr. Glaser's donation helps support a week-long visit of a distinguished scholar who gives a series of lectures to faculty, students, and the public. In the past decades, more than twenty distinguished speakers have been participants in this program. The Glaser seminar enriches the intellectual life of Miami.

Course Description:

This year, the speaker is Dr. Marc Mangel (<https://users.soe.ucsc.edu/~msmangel/>), a world-famous scholar at University of California Santa Cruz. He has made outstanding contributions to population and conservation biology.

Course Objectives:

- Provides a dynamic short course for graduate students in an area of current interest.

Major Topics

- Academic Lecture 1: Thinking About the Practice of Modeling in Biology
- Academic Lecture 2: Ten Principles from Evolutionary Ecology Essential for Effective Marine Conservation
- Academic Lecture 3: State Dependent Behavioral Theory for Assessing the Population Consequences of Disturbance
- Academic Lecture 4: The Evolutionary Ecology of Offspring Number and Investment
- Academic Lecture 5: Invasion Biology and the Success of Social Networks
- Public Lecture: Advocate for Science: Whales, Science, and Scientific Whaling in the International Court of Justice

Course Grading:

Take notes in at least 5 seminars, and submit the clean notes to the instructor before March 10th, 2017. Each note takes 20% of the final grade. Attendance is required. Please remember to fill the sign-up sheet before you leave the seminar room.

References:

- Thinking About the Practice of Modeling in Biology
Chapters 1 and 2 through Page 58 in Mangel (2006)
- Ten Principles from Evolutionary Ecology Essential for Effective Marine Conservation
(Kindsvater et al., 2016)
- State Dependent Behavioral Theory for Assessing the Population Consequences of Disturbance
(Mangel, 2015)
- The Evolutionary Ecology of Offspring Number and Investment
Chapters 4 in both Mangel and Clark (1988) and Clark and Mangel (2000)
- Invasion Biology and the Success of Social Networks
(Mangel et al., 2013)
- Advocate for Science: Whales, Science, and Scientific Whaling in the International Court of Justice
(Mangel, 2016; Mangel combined documents)

All references can be found in:

<https://www.dropbox.com/sh/e4ygfzz72du6va3/AAAH9tUiGFaJ9Rlj2ON3uV-va?dl=0>

Late homework/Extension/Make-up exam or quiz:

No points are awarded for late homework without arrangement or communication before the due date. If you cannot finish the work by deadline, please contact the instructor (you can call or email) and make an arrangement for an extension before the deadline. (The extension should be no more than one week.) When you apply for an extension, please provide a valid university-approved excuse. You should also specify when your homework will be submitted, and this becomes your new deadline. Please note that the instructor will not notify you when work is late, since deadlines are clearly posted for you in course materials.

Sexual Harassment Policy:

The Faculty Senate voted to require each professor to include a statement about this in the syllabus. FIU's sexual harassment policy is available online:

http://www.fiu.edu/hr/eop/Forms/Policies/Sexual_harassment.pdf

Cheating or plagiarism will not be tolerated! As a student of Florida International University, you should be honest in your academic endeavors. You should not represent someone else's work as your own. You should not cheat, neither aid in another's cheating. Students caught cheating during an examination or plagiarizing will be subject to the Academic Misconduct procedures and penalties.

Florida International University is a community dedicated to generating and imparting knowledge through excellent teaching and research, the rigorous and respectful exchange of ideas, and community service. All students should respect the right of others to have an equitable opportunity to learn and to honestly demonstrate the quality of their learning. Therefore, all students are expected to adhere to a standard of academic conduct, which demonstrates respect for themselves, their fellow students, and the educational mission of the University. All students are deemed by the University to understand that if they are found responsible for academic misconduct, they will be subject to the Academic Misconduct procedures and sanctions, as outlined in the Student Handbook.

P: $\geq 60\%$

F: $< 60\%$