Environmental Studies 24 – General Ecology  
Course Syllabus Summer Session 2017

Instructor: Myra Finkelstein, E-mail: myraf@ucsc.edu  
UCSC Office: PSB #444 (note this is in the physical sciences building) Phone: 459-1429  
Office Hours: 1-2pm Monday & Wednesday (or by appointment)

All course materials will be available via Canvas (log in at canvas.ucsc.edu to access Canvas).  
Contact me if you encounter difficulty with access or using Canvas.


Expectations: Students are required to read assigned chapters, attend all lectures on Monday and Wednesday from 9am to 12:30pm in Social Sciences 2 Rm 165 and participate in all assignments/exercises (take home & during lecture) as noted below.

Grading: There will be two midterm examinations (15% each) and a final exam (30%). All students will write a hypothesis paper, including submitting a draft (5%) and final product (10%) and participation in take home assignments and in class exercises (25%)

Late assignments: Non-excused late assignments will receive an automatic 5% deduction on the total possible score with an additional 1% deduction for each additional day late.

Extra-credit: Students will be able to earn extra credit equal to 2% of their final grade for attending all lectures on time, participating in class exercises, and having no late assignments.

Week 1

June 26th: Introduction & Course Logistics, The Nature of Ecology (Chapter 1); hypothesis paper assignment; The Physical Environment - Climate (Chapter 2);

June 28th: Field exercise at UCSC Natural Reserve with Alex Jones; The Aquatic Environment (Chapter 3); Terrestrial Environment (Chapter 4)

Week 2

July 3rd: Ecological Genetics, Adaptation and Natural Selection (Chapter 5); Plant Adaptations to the Environment (Chapter 6) Animal Adaptations to the Environment (Chapter 7); Midterm review

July 5th: Midterm 1, special lecture Brad Keitt - island species, threats and solutions, Norris Center for Natural History assignment due

Week 3

July 10th: Properties of populations (Chapter 8); Population Growth (Chapter 9), Life History Patterns (Chapter 10); mark-recapture in class exercise; Greenhouse visit and exercise

July 12th: Intraspecific Population Regulation (Chapter 11); Species Interactions (Chapter 12); Interspecific competition (Chapter 13); Predation (Chapter 14), Midterm review, Draft hypothesis papers due (e-mail submission okay)

Week 4

July 17th: Midterm 2; special lecture – using science for conservation, competition worksheet assignment due

July 19th: Parasitism (Chapter 15); Community Structure and Dynamics (Chapters 16, 17); Community Structure and Dynamics (Chapter 18)

Week 5

July 24th: Landscape Dynamics (Chapter 19); Ecosystem Energetics (Chapter 20); Decomposition and Nutrient Recycling (Chapter 21); Large-Scale Patterns of Biological Diversity (Chapter 26); Final review

July 26th: FINAL EXAM - cumulative, Final hypothesis papers due with edited drafts attached
**KEY DATES: Assignments due at beginning of lecture unless otherwise noted**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>July 3rd</td>
<td>Deadline to drop class</td>
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<tr>
<td>July 5th</td>
<td>Midterm 1, Norris Center for Natural History assignment due</td>
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<tr>
<td>July 12th</td>
<td>Draft hypothesis papers due, <em>e-mail submission okay</em></td>
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<tr>
<td>July 14th</td>
<td>Deadline to withdraw from class</td>
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<tr>
<td>July 17th</td>
<td>Midterm 2, Competition worksheet due</td>
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<tr>
<td>July 26th</td>
<td>FINAL EXAM 9am-12:30pm Soc Sci 2 167, Final hypothesis papers due <em>with edited drafts attached</em></td>
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**Support Resources:**
- Disabilities Resource Center and Learning Support Services and CAPS (Counseling and Psychological Services) are open and active all summer. Please let me know if you need help accessing any of these support services.

**Academic Advising:**
- Academic advising is offered all summer; hours will vary by college. Students can contact their colleges to find out when advising is being offered or visiting advising.ucsc.edu.