SWES 195A CAREERS IN ENVIRONMENTAL SCIENCE SYLLABUS  
Spring 2014

Location: Harvill Building, Room 102  
Time: Fridays @ 10:00 to 10:50  
Instructor:  

Dr. Tom Wilson  
Saguaro Hall Rm 313 twilson@ag.arizona.edu  
621-9308

I. Course Description
The term "Environmental Science" covers a broad range of topics but can be hard to define. The purpose of this course is to help you define environmental science as a degree at The University of Arizona. Faculty from the Department of Soil, Water and Environmental Science, along with other professionals working in this discipline, will explain what they do and why. These presentations will be supplemented with a visit to UA Career Services to help find the career for you. Each student will be asked to prepare an internship proposal, a resume, and a cover letter for employment in environmental science. This class is for undecided students and new environmental science majors who seek an exciting career.

II. Course Objectives and Expected Outcomes
A. Learn about environmental science topics and careers from professionals working on and off campus.

B. Become familiar with the field of environmental science in sufficient detail that you can determine whether this might be a viable career path for you.

C. Conduct a search of environmental careers and to try to identify possible careers.

D. Determine whether you would like to major in environmental science or help you select a focal area if you are already majoring in this program.

E. To become proficient at writing a Cover Letter and Resume.

III. Class Topics
Utilizing online resources as well as those of UA Career Services is essential to successfully completing the course. One or two weeks will be devoted to exploring the careers associated with each focal area in the Environmental Science degree program.
<table>
<thead>
<tr>
<th>Class Week</th>
<th>Date/</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>January 17</td>
<td><strong>Introduction to Course</strong></td>
</tr>
<tr>
<td>2.</td>
<td>January 24</td>
<td>Environmental Health</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Presentation by SWES Alumni <strong>(Brittany Xiu)</strong></td>
</tr>
<tr>
<td>3.</td>
<td>January 31</td>
<td>Environmental Biology/Soils</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Presentation by SWES faculty member <strong>(Dr. Tom Wilson)</strong></td>
</tr>
<tr>
<td>4.</td>
<td>February 7</td>
<td>Environmental Toxicology</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Presentation by SWES faculty member <strong>(Dr. Charles Gerba)</strong></td>
</tr>
<tr>
<td>5.</td>
<td>February 14</td>
<td>Environmental Communication</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Presentation by SWES Alumni <strong>(Chet Philips)</strong></td>
</tr>
<tr>
<td>6.</td>
<td>February 21</td>
<td><strong>(D2L Assignment Quiz due)</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Environmental Biology</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Presentation by SWES Faculty member <strong>(Dr. Kevin Fitzsimmons)</strong></td>
</tr>
<tr>
<td>7.</td>
<td>February 28</td>
<td><strong>Visit to Career Services</strong> to learn about resources for completion of class assignment. (Class first meets EDUC 351)</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Student Union Memorial Center, 4th floor, Suite 411</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>West Wing, above the UA Bookstore</strong></td>
</tr>
<tr>
<td>8.</td>
<td>March 7</td>
<td>Speaker TBA</td>
</tr>
<tr>
<td>9.</td>
<td>March 14</td>
<td><strong>(Internship proposal due)</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Environmental Microbiology</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Presentation by SWES Alumni/Grad Student <strong>(Karis Nelson)</strong></td>
</tr>
<tr>
<td>10.</td>
<td>March 21</td>
<td>Spring Break No Class</td>
</tr>
</tbody>
</table>
11. March 28
   Environmental Biology
       Presentation by Sky Island Alliance Employee (Jessica Lamberton)

12. April 4 (Cover letter & Resume due. Turn in 2 copies)
   Soil Science
       Presentation by NRCS Employee (Tom Reis)

13. April 11 (One copy of Cover letter/Resume drafts distributed to class for peer review. Second copy will be reviewed by Faculty)
   Environmental Microbiology
       Presentation by SWES faculty member (Dr. Virginia Rich)

14. April 18 (Peer review assignments due/returned to authors for revision)
   Environmental Chemistry
       Presentation by SWES Faculty member (Dr. Jon Chorover)

15. April 25 (Both copies of first draft AND 2 copies of Final version of Cover letter & Resume due.)
   Land and Water
       Presentation by Forest Service employee (Mindi Leheu)

16. May 2 (Last day of class)
   a. TCE
   b. Graded assignments returned
   c. Assignment Evaluation by faculty and Career Services

IV. Texts: No texts are required.

V. Assignments

A. Participate in communication throughout the course either in class or via email.
B. Attend all classes.
C. Participate in class discussions.
D. Prepare a detailed internship proposal (80 points), a resume (100 points), and a cover letter (50 points).
E. Anonymous peer review: constructively edit the first draft of a classmate (100 points).

Assignment schedule:

Feb 21    Assignment Quiz due in D2L
Mar 14    Internship Proposal due in D2L Dropbox.
Apr 4*    First draft of assignment due (2 copies of cover letter and Resume, one set with your name, the other anonymous)
Apr 11*   First drafts distributed to class for anonymous peer review
Apr 18*   Peer reviews due and distributed to authors for revision
Apr 25*   Final version of assignment due (include all copies: edited first draft and 2 copies of final draft)
May 2     Assignments returned with grade and comments by faculty and Career Services.

*NOTE: SINCE ASSIGNMENT DATES INCLUDE PEER EDITING WITHIN ONE WEEK NO LATE ASSIGNMENTS WILL BE ACCEPTED. IF YOU MUST MISS ONE OF THESE CLASSES TURN IN YOUR WORK OR RECEIVE YOUR ASSIGNMENT BEFORE THE DUE DATE.

VI. Evaluation

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Assignment Quiz</td>
<td>20</td>
</tr>
<tr>
<td>2. Assignment: Internship Proposal</td>
<td>80</td>
</tr>
<tr>
<td>2. Peer review: Critique written assignment by other students</td>
<td>100</td>
</tr>
<tr>
<td>3. Participate in email correspondence related to course</td>
<td>50</td>
</tr>
<tr>
<td>4. Attend class (-25 for each absence unexcused prior to class)</td>
<td>50</td>
</tr>
<tr>
<td>5. Participate in all class discussions</td>
<td>50</td>
</tr>
<tr>
<td>6. Assignment: resume (100), cover letter (50)</td>
<td>150</td>
</tr>
</tbody>
</table>

Total possible points 500

Class grade determination

450-500 A
400-449 B
350-399 C
300-349 D
Below 300 E

Late policy: Internship Proposal reduced in value 10% per day past the deadline. Resume and Cover Letter: Late submissions NOT accepted, due to the timing of the peer review assignment.
Attendance policy: It is important for students to attend all the classes. Information will be provided in class that will be essential to fulfill the course objectives. Each unexcused absence will result in a loss of 25 points.

Incomplete grade policy: Incomplete grades will be given only in special circumstances as outlined by the University policy.

Classroom Behavior: Policy regarding use of cell phones/pagers
The Arizona Board of Regents’ Student Code of Conduct
http://deanofstudents.arizona.edu/policiesandcodes/studentcodeofconduct, ABOR Policy 5-308, prohibits threats of physical harm to any member of the University community, including to one’s self.

U of A Academic Codes: Student Code of Academic Integrity and Conduct
Students are encouraged to share intellectual views and discuss the principles and applications of the course materials. However, graded work/exercises must be the product of independent effort unless otherwise instructed. Students are expected to adhere to the UA Code of Academic Integrity as described in the UA General Catalog. See:
http://deanofstudents.arizona.edu/codeofacademicintegrity. Rules of conduct as outlined by the University of Arizona will be followed. In addition, the use of computers or other electronic items is strictly limited to applications directly related to class activities.

Special Needs and Accommodations Statement: Students who need special accommodation or services should contact the Disability Resources Center, 1224 East Lowell Street, Tucson, AZ 85721, (520) 621-3268, FAX (520) 621-9423, email: uadrc@email.arizona.edu,
http://drc.arizona.edu/. You must register and request that the Center or DRC send me official notification of your accommodations needs as soon as possible. Please plan to meet with me by appointment or during office hours to discuss accommodations and how my course requirements and activities may impact your ability to fully participate. The need for accommodations must be documented by the appropriate office.

Confidentiality of Student Records http://www.registrar.arizona.edu/ferpa/default.htm

Subject to Change Statement: Information contained in the course syllabus may be subject to change with advance notice, as deemed appropriate by the instructor.