
Environmental Science

Environmental Science ESCI 1L

ESCI 1L-55 CRN 10985

LAB: TUESDAYS, WEDNESDAYS, THURSDAYS 12:30PM- 4:20 PM

JUNE 23, 2012 – AUGUST 8, 2013

Jana Clark

Summer Quarter 2013

1.0 Unit (Lab)

DE ANZA COLLEGE, DIVISION OF BIOLOGICAL, HEALTH & ENVIRONMENTAL SCIENCES

ENVIRONMENTAL STUDIES DEPARTMENT

KIRSCH CENTER FOR ENVIRONMENTAL STUDIES (KC)

DESCRIPTION

An introduction to environmental science as a branch of sciences and its relation to the scientific field in a laboratory and field setting. Applications of environmental, ecological and sustainability principles as they relate to human societies will be explored.

INSTRUCTOR INFORMATION: Jana Clark

Office Hours Held: By appointment

Office Location: KC 213

E-mail Address: ClarkJana@fhda.edu

Phone 864-5317

CORRESPONDENCE

All directions and worksheets will be posted in Course Studio prior to the field trips. It is the students responsibility to check Course Studio regularly and to ensure that you print any required worksheets prior to attending the field trips and bring a field notebook and worksheet to each class meeting. If you wish to correspond with me I ask that you put your class identification in the subject line of the email (ESCI 1L-55).

GENERAL INFORMATION:

1. This is a team-based and interactive environmental science lab.
2. Make a commitment to attend every class, committed to learning and working with others, in a quest to find sustainable solutions to the challenges we face.
3. Take the pledge to be the strongest person you can be- clear mind and healthy attitude towards yourself, others and the planet.
4. You will be graded on your field journal, team project and attendance.
5. If you need any support or assistance please come talk to me.

STUDENT LEARNING OUTCOMES:

1. Assess (apply) the criteria necessary to be successful in the Environmental Science Lab class.
2. In an outdoor laboratory setting survey local open space areas such as major aquatic life zones (coastal wetlands, inland wetlands, coastal ocean, and riparian) and terrestrial biomes (grasslands, forests, savannah and transitional areas (ecotones))

and the impacts on these systems by humans; as well as human systems including sanitary landfills, sewage treatment facilities and others

GRADING:

Team project	50
<u>Field Journal</u>	<u>150</u>
Total Points	200

Scale:

A= 88-100%
B= 78-87%
C= 68-77%
D= 55-67%
F= <55%

Extra Credit cannot exceed 10pts per individual over the duration of the quarter.

CLASS MAKE UPS

You will be allowed to make up a maximum of 1 missed class. The make up work must be completed in the SRC during operating hours. It is the student's responsibility to make sure that they sign in and out at the SRC to receive full credit. The student assistant will provide the make up work at the time of sign in. The make up work must be completed at the SRC and you should plan on spending as much time working on the make up assignment, as you would have spent during the regular class period (3 hrs 50 min). **All makeup work must be completed prior to the final class period.**

JOURNAL

The field journal is the biggest portion of your grade, so I expect you to put the most effort into it. A good field journal is critical while being out in the field making observations or while conducting research. Your entries (1 per class session) should depict exactly what you did that day including what you observed. Your journal is due Wednesday, August 7 at the end of class.

For each outing in the field (each class meeting) you must complete a journal heading: **record location, time, date, habitat and weather** at the header. Then below the header you can write all your notes for that day. For each journal entry students are required to write minimum of **4 pages of notes/observations/sketches for a small journal, or 2 pages of notes for a large journal**. If we are spending the lab class working on campus you still must complete a heading that indicates the day's activities. Examples of headings are shown below.

Example of Field Journal Headings:

Date: 1/11/13

Location: SCC Parks- Alviso Marina

Habitat: Baylands/Estuary

Weather: Breezy, chilly 50 degrees F

Date: 9/27/13

Location: ESA, De Anza Campus

Habitat: Urban/Developed

Weather: Breezy, sunny warm

FIELD TRIPS

Most classes will be held at field trip locations. You will receive directions to the field trip via Course Studio. It is important that you pay attention to the directions that are provided since many locations may have one or more entrances. The directions that are sent to you will be specific to where the class will meet. If you get lost because you did not follow the given directions you will have to do make up work in order to earn credit for the day's assignment.

Appropriate behavior is expected while on the field trip. You are not allowed to bring guests along on field trips - this is a class setting and is not a time for friends to come along – all participants must be registered in the course. Each week prior to the field trip you will access info on Course Studio regarding the meeting location, time, and directions. On the days when there are field trips travel time will be included in the calculation for class meeting. We do not meet on campus prior to traveling to our destination so it is your responsibility to get to the location at the indicated time. For instance, if the location is 20 minutes away from campus then class will meet 20 from the beginning of class time (12:30 class would meet at 12:50 at the designated location). Carpooling is encouraged however it is your responsibility to communicate with your classmates. The instructor cannot give students rides for any reason.

CLASS SCHEDULE

ESCI 1L.55 Summer 2013 Schedule			
Week	Day of the Week	Date	Location
1	Tuesday	7/23/2012	KC- Intro / Sustainability Tour
	Wednesday	7/24/2012	Almaden
	Thursday	7/25/2012	Stevens Creek
2	Tuesday	7/30/2012	Alviso
	Wednesday	7/31/2012	Natural Bridges
	Thursday	8/1/2012	Ulistac
3	Tuesday	8/6/2012	Coyote Valley
	Wednesday	8/7/2012	Sustainable Campus/Prep. Journal due
	Thursday	8/8/2012	Final Presentations