

ESS 170L/ES292

Section: 10:30 AM

Needs Assessment Survey

Total # of
Students: 24

1. What is your class standing?

	# of Students	% of Students
Senior	17	71%
Junior	5	21%
Graduate	1	8%
Sophomore	0	0%

2. What is your major?

	# of Students	% of Students
Engineering	8	33%
Ecology and Evolution	7	29%
Earth System Science	3	13%
Other (please specify):	6	13%
Environmental Engineering	3	13%
Environmental Systems	2	8%
Biological Sciences: Microbiology and Immunology Emphasis	1	4%

3. Which ESS courses have you previously taken?

	# of Students	% of Students
None	6	25%
ESS 100: Environmental Chemistry	5	21%
ESS/BIO 148: Fundamentals of Ecology	10	21%
ESS 141: Environmental Sci Policy	3	13%
ESS 02: Sustainability Science	2	8%
ESS 50: Ecosystems of California	2	8%
ESS 110: Hydrology and Climate	2	8%
No Response	2	8%
ESS 10: Earth Resources	1	4%
ESS 105: Biogeochemistry	1	4%
ESS 147: Astrobiology	1	4%
ESS 190: Undergraduate Seminar	1	4%
ENVE 105: Environmental Data Analysis	1	4%
Courses at a different university	1	4%
N/A	1	4%

4A. What experience do you have in writing formal lab or field reports?

	# of Students	% of Students
I have written >30 lab/field reports (i.e. 3+ lab/field course)	16	67%
I have never written a formal lab/field report?	3	13%
I have written 15-30 lab/field reports (i.e. 1-2 lab/field course)	3	13%
I have written 1-15 lab/field reports (i.e. 1 lab/field course)	2	8%

4B. Which sections of a lab report do you typically find most difficult to write?

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	# of Students	% of Students	# of Students
Introduction	4	17%	11
Methods	9	38%	11
Results	3	13%	4
Discussion	2	8%	2
Overall formal report style	4	17%	5

Other:	# of Students	% of Students
Introduction rating of 1.5	1	4%

5. The grade I plan to earn in this course is:

	# of Students	% of Students
A	17	71%
B	7	30%
C	0	0%
D	0	0%
F	0	0%

6. What motivated you to take this course? Check all that apply

	# of Students	% of Students
I am considering a career in an environmental field and hope to gain experiences that will help me get a job after graduation	15	63%
It is a required credit for my degree program	14	58%
I do not know much about soil science and would like to learn more	10	42%
I am excited about the feildtrips and/or new lab experiences	8	33%
Other (please specify):	3	13%
Loves soil	1	4%
Needs it for his/her research	1	4%
Wants to learn more about research in Soil Sciences	1	4%

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% of Students	# of Students	% of Students	# of Students	% of Students
46%	7	29%	0	0%
46%	3	13%	0	0%
17%	13	54%	3	13%
8%	10	42%	9	38%
21%	10	42%	4	17%

