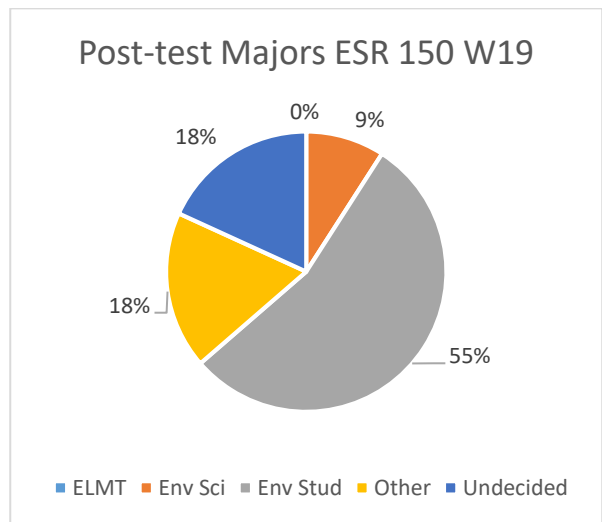
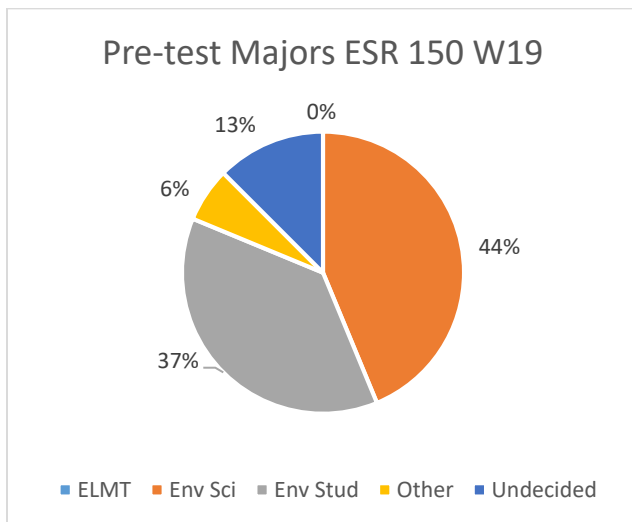
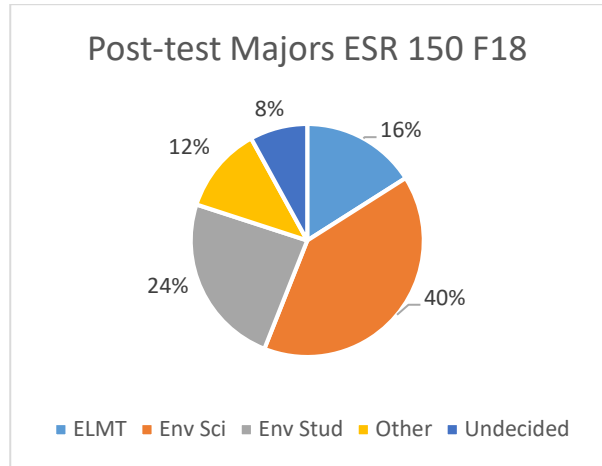
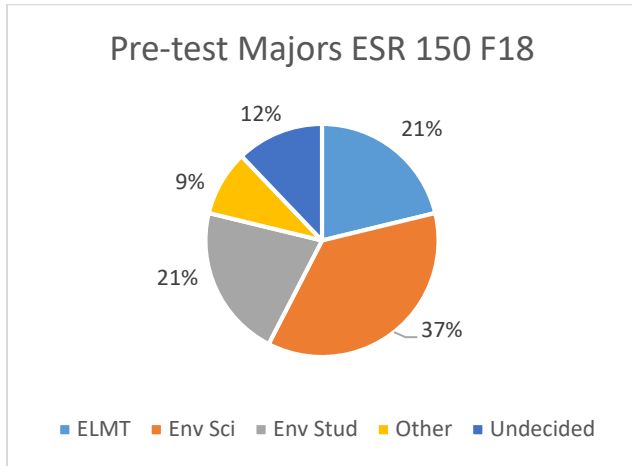
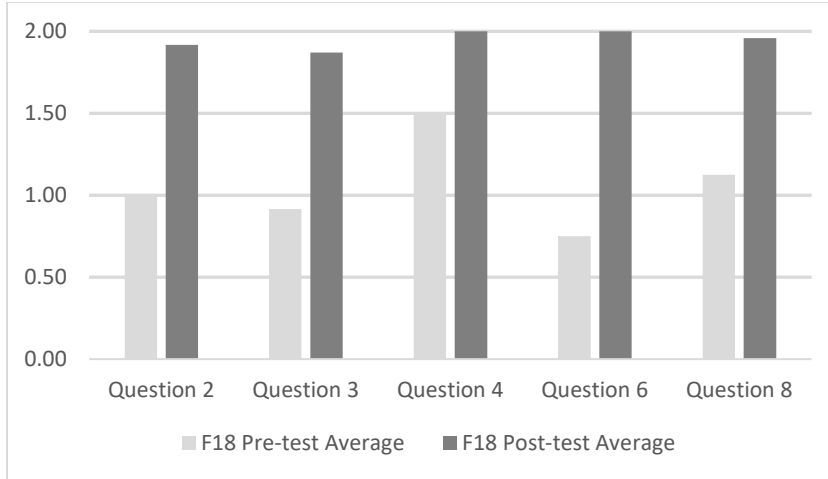


Question 1. Pre- and post-test	At this point, which of the following best describes your intended major?
Answer options included	Environmental Landscape Management Technician (ELMT), Environmental Studies, Environmental Science, Other, Undecided

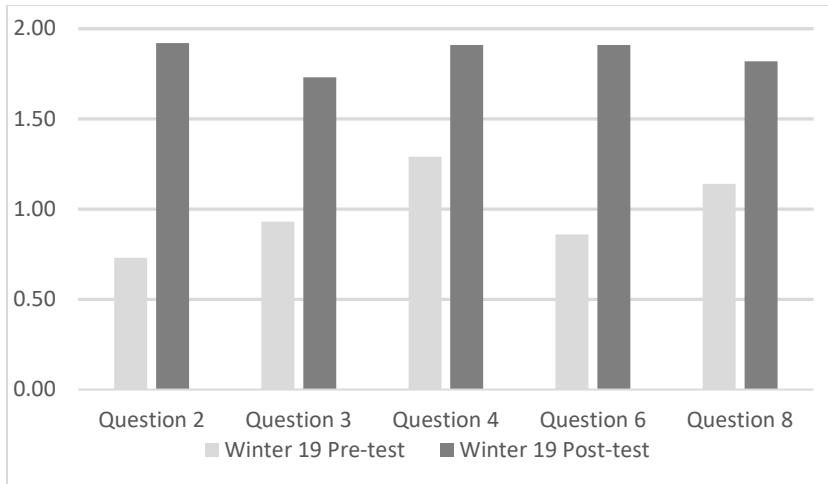


Multiple Choice Scored Questions		Answer options and point values		
Question	Question Text	0 pts	1 pt	2 pts
Question 2.	At this point, how confident are you in your understanding of the difference in academic focus between an environmental science vs an environmental studies degree?	I have no idea what the difference is.	I have some idea but I'm not confident.	I'm confident I understand the difference
Question 3.	At this point, how confident are you in your understanding of the different classes you need to take at PCC in order to fulfill the degree requirements for an environmental science vs an environmental studies degree at Portland State University (PSU)?	I have no idea what the difference in courses requirements is for the two different degrees.	I have some idea but I'm not confident.	I'm confident I understand the differences in the classes required for the two degrees.
Question 4.	I can list at least two resources at PCC that can help me find out more information about pursuing a degree or career in the environmental field.	I can't think of any.	I can list one.	Yes, I can list two.
Question 6.	I can list at least three organizations or agencies doing environmental work in the Portland metro area.	I can't think of any.	I can list 1 or 2.	Yes! I can list 3.
Question 8.	At this point, which of the following best describes your understanding of the education, experience and skills required for a job in the environmental field?	I have no idea.	I have a limited understanding	I have a good understanding.



	F18 Pre-test Average	F18 Post-test Average
Question 2	1.00	1.92
Question 3	0.92	1.87
Question 4	1.5	2
Question 6	0.75	2
Question 8	1.13	1.96
Average	1.06	1.95
SD	0.28	0.06

Fall 18 Student	Pre-test	Post-test
A	1	9
B	7	10
C	7	10
D	3	10
E	5	8
F	7	10
G	5	10
H	5	10
I	6	10
J	9	10
K	2	10
L	5	10
M	4	9
N	5	10
O	4	8
P	4	10
Q	7	10
R	6	10
S	4	10
T	4	9
U	7	10
V	8	9
W	6	10
X	6	10
Ave	5.3	9.7
SD	1.88	0.64



W19 Student	Pre-test	Post-test
A	4	9
B	4	10
C	7	10
D	7	10
E	3	7
F	9	10
H	4	10
I	3	8
K	5	10
L	1	9
M	6	10
Average	4.8	9.4
SD	2.3	1.0

Question #	Winter 19 Pre-test	Winter 19 Post-test
Question 2	0.73	1.92
Question 3	0.93	1.73
Question 4	1.29	1.91
Question 6	0.86	1.91
Question 8	1.14	1.82
Average	1.0	1.9
SD	0.22	0.08

Question 5.	List two resources available at PCC that can help you learn more about education or careers in the environmental field.
Sample answers	<ul style="list-style-type: none"> - PCC Library website - Resource Guides, Career Links under Environmental Studies - Environmental Science Instructors - making an appointment during office hours - The academic adviser for the program - Career Resource Center and LAT Dept - PCC Library Research Databases PCC Counseling or Career Center - Occupational Outlook Handbook and Oregon Career Information System - PCC library databases, like the outlook handbook. There are also links for internships and job. - Stephanie from PSU environmental science and career counselor at PSU or PCC. - The career center, and academic advising. - Dr. Val Brenneis, Pat Sanchez-Cottrill, PCC Advisors Science Offices - The environmental studies center at Sylvania, and visiting an instructor. - PCC Library and PCC Environmental Studies and resources site

Question 7.	List three agencies doing environmental work in the Portland metro area.
Sample Answers	<ul style="list-style-type: none"> - Clean Water Services, Tualatin Hills Parks and Recreation, Xerces Society - Clean Water Services, The Xerces Society, and Friends of Trees - USGS, THPRD, Xerces Society, Oregon Natural Desert Association. - Tualatin Soil and Water Conservation District - Oregon Natural Desert Association , United States Geological Survey, Tualatin Hills Parks and Recreation District - The Xerces Society, the Tualatin Soil and Water Conservation District and Parks and Recreation District and Oregon Wild.

Question 9. Post-test	Which of the topics/guest speakers was the most informative or interesting to you? (response counts)
Fall 2018 answers	<ul style="list-style-type: none"> CWS (9) OSU (3) PSU (6) Library resources (4) THPRD (10) Xerces Society (10) USGS (10) ONDA and TSWCD (10)
Winter 2019 answers	<ul style="list-style-type: none"> CWS (10) OSU (1) PSU (3) Library resources (4) THPRD (2) ONDA and TSWCD (9)

Question 10. Pre-test	What do you hope to get out of this class?
Sample answers	<ul style="list-style-type: none"> - I need to figure out what i'm doing with my life or at least start heading in some direction. Ive always wanted to work outside so i figured envir 150 might give me and idea of where to go. - By taking this class, I hope to get a better idea of the careers available with an Environmental Science degree as well as make important connections with professionals in the field. - I hope to get a "lay of the land." I'll get a basic understanding of this field -- this will be very helpful! - Gain information about Environmental Studies to give myself more clarity about my path forward both academically and career wise - To help me figure out which field I am specifically interested in pursuing - A better understanding where I want to go with this environmental program. From this class, I hope to attain a solid understanding of methods in environmental resource utilization and conservation. In doing so, I hope to have my career pathway narrowed down as it is full of possibilities at this point. - My goals for this class are to gain an understanding of open fields. Alongside the pursuit of working knowledge of self and career interests in forestry and natural resources management. - I would like to gain a better understanding of environmental science careers as well as be able to plan to continue school to obtain a degree relating to environmental science. - I'm hoping to gain a better understanding of the specific careers I can obtain with a degree in Environmental Science/Studies. - An understanding of what it means to pursue a career that deals with the environment - I hope to have a clear understanding of Environmental Science as a career study and what options would be available having achieved a bachelor's/graduates degree. - I would like to have a sense of how and if I want to pursue environmental Science to reach my goal of studying plant adaptation to climate change, including pollinators info. - I hope to get a better understanding of the differences between Environmental Studies and Environmental Science and the relative degrees. I hope to better understand career choices based around the degree options and possible routes to become a member of the field or fields. - I hope to get a better understanding about what kind of environmental agencies are here in Oregon that interest me as well as how to be successful in this field. - A better understanding of career options, and the paths associated with them, available to me in the environmental studies field. - A better understanding of the opportunities that I have in environmental science and a better grade - Get a better understanding of Environmental Studies, learn ways to get involved and help narrow down my focus area for a future career. - Guidance towards transferring to PSU, and learning more about careers within the Environmental Studies field. - A solid understanding of what I want to do in the environmental field and the knowledge of resources available to me and others. - I hope I can find a career path that I can really utilize my strengths to help further progress the sustainability of our planet.

Question 10. Post-test	What did you find most valuable about this class?
Sample answers	<ul style="list-style-type: none"> - It's a great beginner class to understand requirements for environmental careers The most valuable part of this class for me was hearing from professionals in the field of Environmental Science. - It gave me concrete examples of career options available and allowed me to make connections with people in agencies that I would like to be a part of. - I obtained a good understanding of the different areas where I might be able to eventually work, the education and volunteer experiences that would be needed, and that the people working in the field who we met, are approachable, enjoy their work, and have a real purpose in their work. - Good information about their pursuit of a career and the companies they work for. - Learning different careers of the environmental field which gave me a better understanding of which path to take in order to reach m future career goals. - Gaining insight from experienced professionals in various fields stemming throughout Environmental Sciences about the importance of their work and how to go about pursuing many different career opportunities. - The thing I found most valuable about the class was that it wasn't limited to one focus. - - Our course took us through many different paths that are outcomes for environmental degrees. - I found the wide variety of jobs represented to be the most valuable aspect of this class, I really appreciated seeing so many options and learning so much about environmental science/studies careers. I also enjoyed the assortment of organizations and agencies that employ environmental scientists. - I found learning about the transfer degree requirements for PSU to be very helpful, as well as differentiating the difference between environmental science and studies. the most valuable thing about this class was learning about all the resources that the library had that would be able to help me learn about potential jobs and internships - Hearing from people working in the field and how they got there. - I thought this class was very valuable for someone considering pursuing a career in environmental science and/or studies. The knowledge gained from each guest speaker was quite helpful in figuring out which direction I wanted to go. It helped hearing how quickly some of the speakers gained jobs and what routes they took to get there. Hearing firsthand from people in the field is really motivating at a community college because, at least to my knowledge, most community college programs do not see people in the field like we did in ESR150. Thoroughly enjoyable class. - Hearing how other's attained their career. - It gave me much more of an idea of places and types of work I might be interested in doing for a career. I also think the introduction to PCC career resources on the library page was useful. - Having different speakers come in and tell us what we need to know about getting into a field - It was very informative of the different careers that are environmentally focused. It helped open my eyes to more options than I was originally considering.

	<ul style="list-style-type: none"> - Before taking this class my understanding of the careers available after a career in the natural sciences was limited. After hearing the guest speakers I felt a sense of relief because I knew I was heading in the right direction. - Having been able to listen to how the speakers got where they are. - Hearing how others got their start in the field, how important volunteering and internships are, and all the different options for careers. - I found the education of the careers and degrees available at PCC interesting and broadening - What I found most valuable is the amount of different types of jobs that are available in the environmental science field. - After being out of school for almost 10 years I finally made the decision to jump back in. - This class has given me valuable insight as to where my education might take me. I have wanted to have a positive impact on the environment for a while know and with the different speakers I've had the opportunity to listen to I have been able to help put my focus on interest and strengths I possess. - Before taking this class, I knew that I wanted to do some kind of environmental work, but I had no idea what kind of careers were available. I really enjoyed learning about different environmental careers and how to pursue those careers. - Figuring out which direction I want to head towards. Before taking this class I was uncertain on what route I wanted to take. Now I can fully say where I want to go and what I want to be. - Hearing about other people's process of achieving their career goals. It was tremendous hearing about what internships they did and what resources they used. - I found every guest speaker or topic very interesting because I learn a lot from them, information and career I never knew about. Especially from the ONDA and TSWCD because I'm interested in this field for my future career. - I found the information from the speakers about how they got to their current careers most valuable, and learning about the different organizations that they interned/volunteered/worked for early on. - I loved having people in the field come in and take about what they did to get to the place they are currently in. It was really interesting to her about and see careers that I had no idea were even available. - Learning about the guest speakers' pasts. It is really inspiring to know how some of them got to where they were. Also the different kinds of jobs these places offer. - The diversity in speakers, their backgrounds and what they do now. - Understanding resources where I can search for jobs and what are the job opportunities in Oregon for someone who pursues a Bachelor in Environmental Science
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Question 11 Post-test	What additional information/opportunities would be helpful to include in ESR 150?
Sample answer	<ul style="list-style-type: none"> - Americorps came up frequently in this course; speaking to someone from Americorps might be nice. - Hearing from smaller non-profits would be cool. Some that come to mind: *Freshwater Trust *Eco Trust *Sustainable Northwest - I can't think of any. I was very satisfied with the content of this course. - I feel everything in this class was every helpful I don't think I would add anything more to this class - I would have loved some more information about where and how to volunteer at PCC and other places before the term paper was due. - Additional opportunities that would be helpful in ESR 150 would be to somehow include one-on-one sessions that students could schedule with a professional in an agency of their interest. Also, perhaps arranging more volunteer opportunities with agencies through the term. - I can't think anything... I enjoyed each speaker and learned a lot. :) - It seemed well rounded! - I would just like to have more information on how the E.L.M.T program will benefit me if I choose a job like an park ranger or an environmental management officer. - If anything, spending more than one class discussing an overview of each ESR program and their required courses could prove to be helpful. Also, ESR 150 has been great for getting a foot into the program and exploring various career paths within it but the only thing that could possibly make it more immersive- field trips!! Other than those two suggestions, the class is informative and at the same time very laid back. - More information about how to transfer to Oregon State. I'm really quite sure that is my personal burden. - I think the class was very comprehensive, I don't think there is anything specifically I would add. It was a perfect orientation class that gave a solid background of environmental science jobs and ways to get them. - I thought this class was already very informative. I can't really think of anything that would make it better. We already have really good guest lectures, and the weekly summaries were useful. - Maybe consider an optional field trip or sign up option for a 'day in the life' with one or two of the agencies. The handouts we received from some speakers were really cool. In some cultures being given a business card is a powerful statement, having received one or two from these speakers could come in very handy in the future for volunteer, internship, or career positions. - I wish there would have been more opportunities to volunteer. I missed the planting of native flowers because of my heavy work schedule. Getting hands on experience and volunteer time is important in this field. - I'm not sure if this would be possible but maybe there is a way to set up something like and open of local non-profit and different agencies in the Portland area so that we could get the opportunities to ask questions and set up some volunteering commitments . As someone who is going to school full-time and working over 20 hours a week I rarely have the time outside school to go to different agencies to see what opportunities are available. This would also be a great time to get information as to who you could possibly set up informational interviews.

