

CSS 205: Fall 2019 Schedule

Wk	Weekly Reading	Tuesday (1hr 20 min)	Thursday (1 hr 20 min)	Thursday (Lab – 2 hr 50 min)
1	Ch 1, 2	<u>Oct 1</u> Introduction to Soils	<u>Oct 3</u> Soil Formation	<u>Oct 3</u> Lab 1: Soil Parent Materials Soil Formation Due: Pre-lab 1
2	Ch. 3	<u>Oct 8</u> Soil Taxonomy and Classification Reading Quiz 1 Due: Reading Guide 1	<u>Oct 10</u> Soil Physical Properties	<u>Oct 10</u> Lab 2: Web Soil Survey Due: Pre-Lab 2
3	Ch. 4	<u>Oct 15</u> Soil Physical Properties (cont.) Reading Quiz 2 Due: Reading Guide 2	<u>Oct 17</u> Soil Water	<u>Oct 17</u> Lab 3: Soil Physical Properties Due: Pre-Lab 3
4	Ch. 5, 6	<u>Oct 22</u> Soil and the Hydrologic Cycle Reading Quiz 3 Due: Reading Guide 3	<u>Oct 24</u> Intro to Soil Chemistry	<u>Oct 24</u> Lab 4: Soil Water Due: Pre-Lab 4
5	Ch. 8, 9	<u>Oct 29</u> Soil Chemistry (cont.) Reading Quiz 4 Due: Reading Guide 4	<u>Oct 31</u> Soil Salinity	<u>Oct 31</u> Lab 5: Soil Chemistry Due: Pre-Lab 5
6	Exam Review	<u>Nov 5</u> Midterm Exam	<u>Nov 7</u> Soil Organisms	<u>Nov 7</u> Lab 6: Field Trip TBD Due: Pre-Lab 6
7	Ch. 10	<u>Nov 12</u> Soil Ecology Reading Quiz 5 Due: Reading Guide 5	<u>Nov 14</u> The Carbon Cycle	<u>Nov 14</u> Lab 7: Soil Ecology Due: Pre-Lab 7
8	Ch. 11	<u>Nov 19</u> Soil Organic Matter Reading Quiz 6 Due: Reading Guide 6	<u>Nov 21</u> Nutrient Cycles and Soil Fertility	<u>Nov 21</u> Lab 8: Soil Nutrients at Earthfort Due: Pre-Lab 8
9	Ch. 12	<u>Nov 26</u> Nutrient Cycles and Soil Fertility (cont.) Reading Quiz 7 Due: Reading Guide 7	<u>Nov 28</u> NO CLASS	<u>Nov 28</u> NO LAB
10	Ch. 14, 15	<u>Dec 3</u> Soil Erosion Reading Quiz 8 Due: Reading Guide 8	<u>Dec 5</u> Soil Pollution and Soil Conservation	<u>Dec 5</u> Lab 9: Soil Environmental Issues Due: Pre-Lab 10
Finals		<u>Dec 10</u>	<u>Date TBD</u> FINAL EXAM	

CSS 205: Soils - Sustainable Ecosystems

CRN 21814

Instructor Information

Jenny Wetzel

wetzelj@linnbenton.edu

Office: WOH 124

Office Hours: by appointment

Course Information

Lecture: Tuesday and Thursday, 8:30 am – 9:50 am, WOH 212

Lab: Thursday, 1:00 pm – 3:50 pm, WOH 122

Course Description

Soils are the foundation of terrestrial ecosystems and a strong understanding of soil science is important to the success of any undertaking humans do on land. This course covers the ecological role soil plays as a medium for plant and crop growth, the recycling of nutrients, the supply and purification of water, and as a habitat for a diverse population of soil organisms. This course also discusses how human activities affect the sustainability of soil ecosystems.

Student Learning Outcomes

Upon successful completion of this course, students will be able to:

1. Describe the functions of soils in natural and managed ecosystems
2. Discuss the physical, chemical and biological properties of the soil
3. Evaluate the impact of human activities on soil and environmental quality
4. Apply soil science concepts to everyday experiences and as well as specific fields of study such as agronomy and forest engineering.

Required Course Materials

- **Elements of Nature and Properties of Soil**, (3rd Edition), Prentice-Hall, 2009.

Purchase at the bookstore.

- **Green Book (8-page Examination Book)**

Purchase in bookstore. Bring to every lecture.

Class Policies

Behavior and Expectations

Students are most successful when they ask questions, actively participate in class, and complete assignments. The more effort that you as the student put in, the more you will get out of this class. My role as an instructor is to support your learning process, so if you have any questions or concerns, please contact me or make an appointment during office hours.

Attendance

Students are expected to attend all lectures and labs. If you miss a class, it is your responsibility to determine what you missed, obtain handouts, make-up assignments (when possible), and to keep track of upcoming assignments and due dates.

Guidelines for communication

My primary communication method with you is through your **Linn-Benton email address** and our **Moodle class page**. Check your LBCC email! If you don't, you will miss emails from me regarding assignments, due dates, and exams.

Academic Integrity

This class is highly collaborative; however, there are expectations for individual work. If it is ever unclear to you, please ask. Any cheating, plagiarism, etc. may result in a zero and possible recommendation to the administration for further consequences. You are held accountable to the [Student Code of Conduct](#), which outlines expectations pertaining to academic honesty (including cheating and plagiarism), classroom conduct, and general conduct.

Statement of Respect

Your instructor will make every attempt to create an environment free of distraction and one open to free discourse. The college environment is one of exploring ideas, but also in a context of mutual respect for your peers and instructors. If a pattern of disrespect develops the instructor reserves the right to discuss appropriate behavioral expectations with individuals who may not fully understand this responsibility. At no time will a hostile or condescending classroom environment or discussion be permitted.

Use of Cell Phones and Laptops

Cell phones are required to be silenced and put away during class. Cell phones are a part of life but they are a distraction to creating an environment where everyone can learn, so put them away during class.

Laptops are allowed in class but must be used only for class-related activities, such as taking notes or accessing online assignments (when the instructor is not talking). I reserve the right to limit laptop use in class if they become a distraction.

Assignments, Exams, and Grading

Grading is based on mastery of the course subject matter. Points towards your final grade will be awarded as follows. Assignments and point totals may change.

Graded Assignments	No. of Possible Points	% of Final Grade	Grading Scheme	
Labs: 8 labs @ 12 pts each (lowest dropped)	96	24.3%	A	90 – 100%
7 Reading Quizzes @ 10 pts each (lowest dropped)	70	18%	B	80 – 89%
8 Reading Guides @ 3 pts each	24	6%	C	70 – 79%
14 In-Class Activities and Reflections @ 1-2 pts each	16	4%	D	60 – 69%
3 Homework Assignments @ 3 pts each	9	2%	F	0 – 59.9%
1 Midterm	80	20%		
1 Final Comprehensive Exam	100	25.3%		
Total	395	100%		

Reading Guides and Reading Quizzes

Students are expected to do the reading before coming to class. This is so that you will have some background knowledge of the material before we cover it in class and will allow us to use class time more efficiently and effectively. Reading guides will help you focus on key terms and concepts. They will be posted each week on Moodle. As you do the reading, fill out the guide. You may use the completed reading guide during each reading quiz. The guides are due after the quiz for credit.

There will be 8 reading quizzes which will have 7 questions based on the information in the text and 3 review questions. Each 10-minute quiz take place promptly at the beginning of class. If you are late to class, you'll have less time to complete it. I will drop the lowest quiz grade.

In-Class Learning and Activities

CSS205 will be a combination of lecture and active learning. There will be questions and activities in which you will be expected to actively participate, including several graded in-class activities and written reflections. It is important that you come to class so you do not miss out on these!

Exams

The Midterm Exam covers Weeks 1-4. The Final Exam covers Weeks 5-10 and is **comprehensive**. Exams include multiple choice and short answer questions based on lectures, reading, and labs.

Lab Assignments

Labs are a critical component of the learning process in all science classes. They provide you with invaluable hands-on learning experiences and challenge you to use critical thinking to make decisions that can affect the outcomes of your labs. Because this is a lab class you **must attend and turn in completed lab worksheets for at least 8 of the 10 labs to pass this class**. Pre-lab assignments (usually the first 1-2 pages of each lab on

Moodle) are to be turned in at the beginning of each lab. Each lab worksheet is worth 10 points and will be graded using the following rubric:

- Pre-Lab: 2 pts
- Lab completion and worksheet questions: 10 pts - The lab questions will gauge how well you understood the lab. I will be looking for answers that are well thought out and demonstrate you understand the lab objectives. You can only turn in lab worksheets if you have attended and completed the lab. They will normally be due at the end of the lab session, but may occasionally be due on the Tuesday after the lab.

Make-ups

Pre-Labs are due at the beginning of the lab class and cannot be turned in late. Labs cannot be made up. Your lowest lab and lowest quiz will be dropped.

If you miss a quiz or exam it is your responsibility to contact me as soon as possible to schedule a makeup time in the Student Assessment Center in RCH 111. No make-ups will be given after the quiz or exam is handed back. Students will be allowed only *two make-ups for quizzes per quarter*.

Incomplete Grades

An Incomplete grade (IN) will only be considered if a student has spoken with me in advance and completed a signed agreement between the student and myself. An IN grade is assigned only if the student has a good reason for making the request, has only a minority of coursework to complete, and has scored a C or better on work that has been submitted.

College Policies

LBCC Email and Course Communications

You are responsible for all communications sent via Moodle to your LBCC email account. You are required to use your LBCC provided email account for all email communications at the College. You may access your LBCC student email account through Student Email.

Disability and Access Statement

You should meet with your instructor during the first week of class if:

1. You have a documented disability and need accommodations.
2. Your instructor needs to know medical information about you.
3. You need special arrangements in the event of an emergency.

Request for Special Needs or Accommodations

Direct questions about or requests for special needs or accommodations to the LBCC Disability Coordinator, RCH-105, 6500 Pacific Blvd. SW, Albany, Oregon 97321, Phone 541-917-4789 or via Oregon Telecommunications Relay TTD at 1-800-735-2900 or 1-800-735-1232. Make sign language interpreting or real-time transcribing requests 2-4 weeks in advance. Make all other requests at least 72 hours prior to the event. LBCC will make every effort to honor requests. LBCC is an equal opportunity educator and employer.

LBCC Comprehensive Statement of Nondiscrimination

LBCC prohibits unlawful discrimination based on race, color, religion, ethnicity, use of native language, national origin, sex, sexual orientation, gender, gender identity, marital status, disability, veteran status, age,

or any other status protected under applicable federal, state, or local laws. For further information see Board Policy P1015 in our Board Policies and Administrative Rules. Title II, IX, & Section 504: Scott Rolen, CC-108, 541-917-4425; Lynne Cox, T-107B, 541-917-4806, LBCC, Albany, Oregon. To report: linnbentonadvocate.symplcity.com/public_report

Statement of Inclusion

To promote academic excellence and learning environments that encourage multiple perspectives and the free exchange of ideas, all courses at LBCC will provide students the opportunity to interact with values, opinions, and/or beliefs different than their own in a safe, positive and nurturing learning environments. LBCC is committed to producing culturally literate individuals capable of interacting, collaborating and problem-solving in an ever-changing community and diverse workforce.

Title IX Reporting Policy

If you or another student are the victim of any form of sexual misconduct (including dating/domestic violence, stalking, sexual harassment), or any form of gender discrimination, LBCC can assist you. You can [report](#) a violation of our sexual misconduct policy directly to our Title IX Coordinator. You may also report the issue to a faculty member, who is required to notify the Coordinator, or you may make an appointment to speak confidentially to our Advising and Career Center by calling 541-917-4780.

Campus Police/Emergency Resources

You may review emergency services and resources at the LBCC [Public Safety website](https://www.linnbenton.edu/faculty-and-staff/college-services/public-safety-emergency-planning-ehs/index.php) (<https://www.linnbenton.edu/faculty-and-staff/college-services/public-safety-emergency-planning-ehs/index.php>). Campus Safety can be reached using the 'Code 2' button on any campus phone or by dialing x411 on campus or (541) 917-4440 off campus. Dial 911 for off campus emergencies.

Changes to the Syllabus

I reserve the right to change the contents of this syllabus due to unforeseen circumstances. You will be given notice of relevant changes in class, through a Moodle Announcement or through LBCC email.

Support Services Available

Learning Center, Writing Center, and English Language Learners Center

The learning center provides academic support and a comfortable place to study. It is located on the second floor above the library. It also provides free tutoring services for all classes.

Library

The LBCC Library is the main library on campus and offers many helpful resources, including computers and printing.