University of Southern Maine

COURSE OUTLINE/SYLLABUS SHEET

- **COURSE NO:** CRN ES 250
- **COURSE TITLE:** Soils and Land Use
- **CREDIT HOURS:** 3
- **SEMESTER:** Fall 2014
- **INSTRUCTOR NAME:** Francesca Latawiec
- **E-MAIL ADDRESS:** flatawiec@ccsnh.edu
- **OFFICE LOCATION:** In Classroom
- **CONFERENCE HOURS:** conference hours; before and after class and by appointment.
- **PREREQUISITES:**

COURSE DESCRIPTION: Students will study the physical and chemical properties of soils and how they relate to land use practices. The students will learn to identify soils in the field and understand the role that they play in ecosystem dynamics. There will be combination of lectures, field trips and in-class discussions.

- **TEXT/INSTRUCTIONAL MATERIALS AND EQUIPMENT NEEDED:The Nature an Properties of Soils. Nyle C Brady and Ray R. Weil, Fourth Edition ISBN-13: 978-0-22738 3**

- **GRADING:** (enter a breakdown of the course grading structure, including percentages, weights, or total points possible. The words Grading Scale: and the scale itself must be included.)

- Grading Scale:

A	93-100	B	83-86	C	73-76	D	63-66
A-	90-92	B-	80-82	C-	70-72	D-	60-62
B+	87-89	C+	77-79	D+	67-69	F	0-59

Final Exam	**25%**
Mid- Term Exam	**25%**
Project/Presentation	**20%**
Labs	**15%**
Homework	**15%**

COURSE SCHEDULE:

Soils and Land Use Fall 2014 Prof. Francesca Latawiec

WEEK	READING	LECTURE/LAB
September 4	Review of Syllabus Chapter 1	Lecture & Lab
September 11	Chapters 2	Lecture & Lab
September 18 Quiz 1	Chapter 3	Lecture & Lab after Quiz 1 Topic for Project/Presentation
September 25	Chapter 4	Lecture & Lab Outline for Project/Presentation Due
October 2	Chapter 5	Lecture & Lab
October 9	Chapter 6	Lecture & Lab after Quiz 2 References for Project/Presentation Due
October 16 Midterm Exam	Chapter 7	Lecture & Lab after Exam
October 23	Chapter 8	Lecture & Lab Eco-Journal
October 30	Chapter 9	Lecture & Lab
November 6 Quiz	Chapter 10	Lecture & Lab after Quiz
November 9	Chapter 11	Lecture & Lab
November 13	Web Soil Survey	Lecture and Lab
November 20	Final Project/Paper Due & Thanksgiving	Final Projectre Due
December 11 Quiz # 4	Course Summary and Review	Lecture & Lab
December 18	Final Exam	Lecture and Review for Final Exam

Schedule Subject to Change at Instructor's Discretion

SOILS AN LAND USE
FALL 2014 PROJECT / PRESENTATION

GENERAL DESCRIPTION:

This project is designed to give the student the opportunity to:

- perform technical/scientific research on a current topic that is relevant to soils and land use;
- write a draft and final technical/scientific paper that summarizes the results of that research; and
- present the findings of that paper to the class, including recommendations for future research.

PROJECT REQUIREMENTS:

- Choose a research topic related to soil science . Pick a topic that you are interested in learning about. The project will be more fun for you. A **RESEARCH TOPIC must** be submitted in writing in class on **September 18, 2014.**
- Your research for the project **must** include references from no less than 2 scientific journal articles from a reputable journal in the selected field of research;
- Your research may also include other current scientific publications, textbooks, articles published by credible professional associations, state and federal agency publications, and interviews from professionals in the field; You **MUST** submit a **WRITTEN OUTLINE** in class on **September 25, 2014,** and be prepared to discuss it in class.
- Make a **LIST OF REFERENCES.** You will need to adequately cite the sources of the information that you will discuss in your **FINAL PAPER.** This is a very important component of your research paper. You **MUST** submit a written **LIST OF REFERENCES** in class on **October 9, 2014**. This list should be formatted in accordance with **MLA Style.** Go to http://owl.english.purdue.edu/owl/resource/747/01/ for help with this. Your list must include at least 5 references. You may use some internet sources of information. However, only one .org, one .edu, and one .gov internet source will be allowed to count as part of your 5 **required** references. Each information source in your list of referenes must be properly cited at least once in the text of your **FINAL PAPER.**
- A DRAFT **PAPER** must be submitted for review on **October 23, 2014**. This paper will be based on the WRITTEN OUTLINE you submitted in class in class on September 23, 2014. Be prepared to discuss your DRAFT PAPER in class.
- Be prepared to give a brief summary of your work to date, for class discussion purposes;
- A **final paper** will be submitted the week of **November 20, 2013**. The final paper will be properly sourced, with a list of referenced publications in proper MLA format. The final paper will include recommendations for future research;

- A Power Point Presentation, Technical Diagrams, Graphs, Photographs, models, and any other appropriate media that is useful to effectively present the results of the research are encouraged to be used in the final Project/Presentaion. These materials **must** be properly sourced, with a list of references in proper MLA format.
- The paper will be **at least 5 pages typed.** In addition to the five written pages, the paper **must i**nclude at least **1 graphic** (picture, diagram, graph, etc.) that illustrates a key concept in your paper. This may be included within the work or in an Appendix.
- A presentation of the final paper will be given in class the week of **November 20, 2014.** The student may use a power point present type of appropriate media to effectively present the findings of the paper.