

**Soil and Water Conservation Engineering**  
**ESP 260**  
**Sample Syllabi**

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**Text:** Handout package may be purchased from Therese in Rm. 106 Bailey.  
All other readings are from Troeh, F.R. et al., 2004. Soil and Water Conservation, 4<sup>rd</sup> ed.,  
on reserve at the library.

**Lecture Schedule** (subject to change)

<u>Date</u>	<u>Topic</u>	<u>Readings, etc</u>
Jan 19	Intro to conservation	Ch. 1, 19 on reserve
24	Principles of water erosion, precip	Ch. 4, HW 1
26	Runoff and infiltration	
31	Runoff and infiltration exercises	HW 2
Feb 2	Runoff volume and watershed exercise	
7	Watershed exercise cont.	
9	Principles of wind erosion	Ch. 5
14	Predicting soil loss, soil loss exercises	Ch. 6, HW 3
16	Review for exam	
21	<i>No class – winter break</i>	
23	<i>No class – winter break</i>	
28	<b>Exam 1</b>	
March 2	Federal and State Laws governing ESC and SWM*	
7	Principles of erosion control plan design	
9	Conducting topographic surveys & site walk	
14	Nonstructural ESC measures	
16	Nonstructural ESC measures	
21	Structural ESC measures	
23	Vegetated channel design	HW 4
28	<i>No class – Spring break</i>	
30	<i>No class – spring break</i>	
April 4	ESC plan design	Topo map of dorm site due
6	ESC plan design	
11	ESC plan design	
13	Stormwater management measures	1 <sup>st</sup> draft ESC plan due
18	Stormwater management measures	
20	Buffer strip design exercises	HW 5
25	Stormwater management plan design	
27	Stormwater management plan design	
May 2	Review/catch up	1 <sup>st</sup> draft SWM plan due
4	<b>Exam 2</b>	
11	All plans due by 4 pm	

\* see [www.maine.gov/dep/blwq/docstand/escbmps](http://www.maine.gov/dep/blwq/docstand/escbmps)