

Tentative Schedule for Spring Semester 2009 (NDSU Schedule for Spring 2009).

Day	Date	Day #	Week #	Chapter #	Topics*	Textbook Reading	Lab #	Tentative Laboratory Schedule	Homework
W	1/14	1	1	1	Introduction, Course Overview, & Conservation and the Environment	1 - 7	1	Soil Containers, Plant Growth, etc., ABEN Lab (Steele)	
F	1/16	2		2	Water Quality	8 - 28			
M	1/19				Holiday - MLK Day				
W	1/21	3	2	3	Precipitation	29 - 52	2	Soil & Soil/Water Training, Ramad Fargo (Drs.Hopkins & Steele)	
F	1/23	4		3	Precipitation	29 - 52			
M	1/26	5	3	4	Evaporation and Evapotranspiration	53 - 77			
W	1/28	6		4	Evaporation and Evapotranspiration	53 - 77	3	K&T Irrigation, West Fargo (Ken Storm)	
F	1/30	7		5	Infiltration and Runoff	78 - 106			
M	2/2	8	4	5	Infiltration and Runoff	78 - 106			
W	2/4	9			Catch-up, Review, Graduate Student Project Proposals		4	Review of Soil Physics & Soil Moisture Measurement, ABEN Dept. (Steele)	
F	2/6	10			Test #1				
M	2/9	11	5	6	Open Channel Flow	107 - 133			
W	2/11	12		6	Open Channel Flow	107 - 133	5	Soil Physics Lab, Soils Dept. (Dr. Lyle Prunty and Joel Bell)	
F	2/13	13		7	Soil Erosion by Water	134 - 158			
M	2/16				Holiday - President's Day				
W	2/18	14	6	7	Soil Erosion by Water	134 - 158	6	Infiltration, ABEN Lab (Steele)	
F	2/20	15		8	Terraces and Vegetated Waterways	159 - 186			
M	2/23	16	7	8	Terraces and Vegetated Waterways	159 - 186			
W	2/25	17		9	Water and Sediment Control Structures	187 - 229	7	NDAWN Center, Fargo Station & Soils Dept. (Radu Carcoana)	
F	2/27	18		9	Water and Sediment Control Structures	187 - 229			
M	3/2	19	8	10	Channel Stabilization and Restoration	230 - 248			
W	3/4	20		10	Channel Stabilization and Restoration	230 - 248	8	Engineering E Resources, NRCS, etc., Morrill 116 (Steele)	
F	3/6	21		11	Water Supply	249 - 269			
M	3/9	22	9	11	Water Supply	249 - 269			
W	3/11	23		12	Wetlands	270 - 287	9	Rust Sales--Water Management, GPS, GIS, etc. Harwood (Perry Rust)	
F	3/13	24			Test #2				
M	3/16				Spring Break - No Classes				
W	3/18				Spring Break - No Classes				
F	3/20				Spring Break - No Classes				

ABEN 464/664. Resource Conservation and Irrigation Engineering.
 10:00 - 10:50 MWF; 2:00 - 4:50 W, ABEN Room 208.

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Day	Date	Day #	Week #	Chapter #	Topics*	Textbook Reading	Lab #	Tentative Laboratory Schedule	Homework
M	3/23	25	10	13	Drainage Principles and Surface Drainage	288 - 304			
W	3/25	26		13	Drainage Principles and Surface Drainage	288 - 304	10	Culvert or Open Channel Design, IACC 114 (Steele)	
F	3/27	27		14	Water Table Management	305 - 332			
M	3/30	28	11	14	Water Table Management	305 - 332			
W	4/1	29		15	Irrigation Principles	333 - 355	11	NDSU Soil, Water, & Environment Lab (Dr. David Hopkins & Keith Jacobson)	
F	4/3	30		15	Irrigation Principles	333 - 355			
M	4/6	31	12	16	Surface Irrigation	356 - 383			
W	4/8	32		16	Surface Irrigation	356 - 383	12	Intro. to the Web Soil Survey, IACC 114 (Keith Anderson, NRCS)	
F	4/10				Enter Grades - No Classes				
M	4/13				Enter Grades - No Classes				
W	4/15	33	13	17	Sprinkler Irrigation	384 - 415	13	ASABE Standards and Engineering Practices, IACC 114 (Steele)	
F	4/17	34			Test #3				
M	4/20	35	14	17	Sprinkler Irrigation	384 - 415			
W	4/22	36		18	Microirrigation	416 - 436	14	Irrigation Scheduling, Morrill 116 (Steele)	
F	4/24	37		18	Microirrigation	416 - 436			
M	4/27	38	15	19	Pumps and Pumping	437 - 458			
W	4/29	39		19	Pumps and Pumping	437 - 458	15	Drainage Design, Tour of Drainage Plots, Fargo (Steele)	
F	5/1	40		20	Soil Erosion by Wind	459 - 476			
M	5/4	41	16	20	Soil Erosion by Wind	459 - 476			
W	5/6	42			Graduate Student Presentations		16	Conservation Structures Tour, Lisbon Area (Steele)	
F	5/8	43			Review (Last Day of Class)				
F	5/11		8:00 - 10:00 a.m.		Comprehensive Final Exam (Final Exam Schedule)				

* Topics correspond with chapters in the text by Fangmeier et al. (2006).