

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	ABEN 464/664. Resource Conservation and Irrigation Engineering.									Last update:						
2	10:00 - 10:50 MWF, ABEN Room 201; 2:00 - 4:30 W, Ladd 318 or TBD.									Wednesday, January 15, 2025						
3	Tentative Schedule for Spring Semester 2025.															
4	Day	Date mm/dd	Day #	Week #	Chapter #	Topics*	Graduate Students	Textbook Reading	Lab #	Tentative Schedule for Spring 2025 <i>Some Speakers Not Finalized</i>	Location	HW Given	HW Due	Lab Given	Lab Due	
5	W	1/15/2025	1	1		Introduction, Course Overview			1	Soil physics concepts, start irrigation scheduling experiment; Steele	Ladd 318					
6	F	1/17/2025	2		1	Conservation and the Environment		1 - 8								
7	M	1/20/2025		2		Holiday--MLK Day.										
8	W	1/22/2025	3		2	Water Quality		9 - 30	2	Calibrate & install sensors for soil water potential & content; Steele	Ladd 318 and 204					
9	F	1/24/2025	4		3	Precipitation		31 - 54								
10	M	1/27/2025	5	3	3	Precipitation		31 - 54								
11	W	1/29/2025	6		4	Evaporation and Evapotranspiration		55 - 80	3	Soil physics lab--visit Soil Science Department; Steele/DeSutter/Derby	Walster Hall					
12	F	1/31/2025	7		4	Evaporation and Evapotranspiration	Planning with Instructor	55 - 80								
13	M	2/3/2025	8	4	5	Infiltration and Runoff		81 - 114								
14	W	2/5/2025	9		5	Infiltration and Runoff		81 - 114	4	Infiltration; Steele	Ladd 318					
15	F	2/7/2025	10			Catch-up, Review										
16	M	2/10/2025	11	5		Test #1										
17	W	2/12/2025	12		15	Irrigation Principles		351 - 374	5	To be determined (TBD); TBD	TBD					
18	F	2/14/2025	13		15	Irrigation Principles		351 - 374								
19	M	2/17/2025		6		Holiday--President's Day.										
20	W	2/19/2025	14		16	Surface Irrigation		375 - 402	6	Irrigation Scheduling by the Checkbook Method; Steele	TBD					
21	F	2/21/2025	15		17	Sprinkler Irrigation		403 - 436								
22	M	2/24/2025	16	7	17	Sprinkler Irrigation		403 - 436								
23	W	2/26/2025	17		17	Sprinkler Irrigation	Present topic overview	403 - 436	7	Center Pivot Evaluation and Design spreadsheet; Sprinkler uniformity;	TBD					
24	F	2/28/2025	18		18	Microirrigation		437 - 458								
25	M	3/3/2025	19	8	18	Microirrigation		437 - 458								
26	W	3/5/2025	20		13	Drainage Principles and Surface Drainage		303 - 320	8	K&T Irrigation; James Wolsky	West Fargo					
27	F	3/7/2025	21			Test #2										
28	M	3/10/2025				Spring Break--No Classes										
29	W	3/12/2025				Spring Break--No Classes										
30	F	3/14/2025				Spring Break--No Classes										
31	M	3/17/2025	22	9	14	Water Table Management		321 - 350								
32	W	3/19/2025	23		14	Water Table Management		321 - 350	9	Drainage System Design, K. Sharpe, GK Technology; Kelly Sharpe	Ladd 201					
33	F	3/21/2025	24		14	Water Table Management		321 - 350								
34	M	3/24/2025	25	10	6	Open Channel Flow		115 - 144								
35	W	3/26/2025	26		6	Open Channel Flow		115 - 144	10	To be determined (TBD); TBD	TBD					
36	F	3/28/2025	27		7	Soil Erosion by Water		145 - 170								
37	M	3/31/2025	28	11	7	Soil Erosion by Water		145 - 170								
38	W	4/2/2025	29		8	Terraces and Vegetated Waterways	Progress report w/instructor	171 - 198	11	To be determined (TBD); TBD	TBD					
39	F	4/4/2025	30		8	Terraces and Vegetated Waterways		171 - 198								
40	M	4/7/2025	31	12	8	Terraces and Vegetated Waterways		171 - 198								
41	W	4/9/2025	32			Catch-up, Review			12	Rust Sales--Water Mgmt, scrapers, GPS, GIS, etc., Harwood (Ray)	Harwood					
42	F	4/11/2025	33			Test #3										
43	M	4/14/2025	34	13	9	Water and Sediment Control Structures		199 - 244								
44	W	4/16/2025	35		9	Water and Sediment Control Structures		199 - 244	13	Intro. to the Web Soil Survey, Ms Brianna Wegner, NRCS; Brianna	TBD					
45	F	4/18/2025				Easter Recess--No Classes										
46	M	4/21/2025		14		Easter Recess--No Classes										
47	W	4/23/2025	36		10	Channel Stabilization and Restoration		245 - 264	14	Lab on Culvert Hydraulics; Steele	CE Fluid Mechanics Lab,					
48	F	4/25/2025	37		11	Water Supply		265 - 286								
49	M	4/28/2025	38	15	12	Wetlands		287 - 302								
50	W	4/30/2025	39		19	Pumps and Pumping		459 - 482	15	NDAWN Weather Station, Daryl Ritchison: 2:15--meet at station;	NDAWN Station, west edge of					
51	F	5/2/2025	40		19	Pumps and Pumping		459 - 482								
52	M	5/5/2025	41	16	20	Soil Erosion by Wind		483 - 500								
53	W	5/7/2025	42			Graduate Student Presentations	Final Oral Presentations Reports Due		16	Conservation Structures Tour; Steele	Leonard area					
54	F	5/9/2025	43			Review (Last Day of Class)										
55	T	5/13/2025	8:00 - 10:00 a.m.			Comprehensive Final Exam										
56	* Topics correspond with chapters in the text by Huffman et al. (2013). The schedule, including test dates, is subject to change. The date and time of the final exam are fixed.															