

ES476 Hydrology – Class Schedule: this outline should be considered tentative at best. The following schedule may be modified as class ideas evolve throughout the term. Reading references: “Cech” = Principles of Water Resources Text, “Viessman” = Viessman and Lewis Text, Introduction to Hydrology; “Dingman” = Dingman text, “Physical Hydrology”; “Waltham” = Waltham Text, “Mathematics as a Tool for Geologists”; Driscoll “Groundwater Wells”

Week / Dates	Class Content	Reading
1 01/03/22-01/09/22	Class Introduction, Hydrologic Systems, Hydrologic Cycle, Global Water Budget In-Person Meeting: Tuesday Jan. 4, 2 PM	Cech Chap 1, 2 Waltham Chap 1
2 01/10/22-01/16/22	Physical and Chemical Principles Part 1 In-Person Meeting: Tuesday Jan. 11, 2 PM Week 1 Assignments Due by Monday Jan. 10, 11:00 PM	Viessman Chap 3 Waltham Chap 3
3 01/17/22-01/23/22	Physical Principles Part 2; Atmospheric Processes Part 1 In-Person Meeting: Tuesday Jan. 18, 2 PM Week 2 Assignments Due by Monday Jan. 17, 11:00 PM	Cech Chap 2 Dingman p105-140
4 01/24/22-01/30/22	Meteorology Part 2, Oregon Climate & Water Resources In-Person Meeting: Tuesday Jan. 25, 2 PM Week 3 Assignments Due by Monday Jan. 24, 11:00 PM	Cech Chap 3
5 01/31/22-02/06/22	Surface Water-Watersheds-Rivers Part 1 In-Person Meeting: Tuesday Feb. 1, 2 PM Week 4 Assignments Due by Monday Jan. 31, 11:00 PM	Viessman Chap 9
6 02/07/22-02/13/22	Mid-Term Exam Week (Exam 1 Tuesday Feb. 8) Surface Water-Watersheds-Rivers Part 2 Week 5 Assignments Due by Monday Feb. 7, 11:00 PM	Ritter et al. Chap 5
7 02/14/22-02/20/22	Introduction to Groundwater I In-Person Meeting: Tuesday Feb. 15, 2 PM Week 6 Assignments Due by Monday Feb. 14, 11:00 PM	Cech Chap 4
8 02/21/22-02/27/22	Groundwater II; Flow Mechanics In-Person Meeting: Tuesday Feb. 22, 2 PM Week 7 Assignments Due by Monday Feb. 21, 11:00 PM	Viessman Chap 7, 10
9 02/28/22-03/06/22	Groundwater III; Well Hydraulics In-Person Meeting: Tuesday March 1, 2 PM Week 8 Assignments Due by Monday Feb. 28, 11:00 PM	Driscoll
10 03/07/22-03/13/22	Student Pop-Up Presentations / Reading Summaries In-Person Meeting: Tuesday March 8, 2 PM Week 9 Assignments Due by Monday March 7, 11:00 PM	Journal Readings
11 03/14/22-03/18/22	Final Exam Week (Exam 2 Thursday March 17, 12 PM) Week 10 Assignments Due by Monday March 14, 11:00 PM	