

**Water Resources Management
Civil & Environmental Engineering 206
Spring 2018
Syllabus Rev2**

Week	Date	Topic	Reading	In class	Homework
1	1-19	Water Resources, water security, historical challenges	ICA 2012, UN 2013, Hanak ch1	discussion	
2	1-26	Hydrologic context, California & western U.S.	CWP ch1.3, CWP highlights	discussion	HW1
3	2-2	Water law, Water rights	WEF	analysis	HW2
4	2-9	Water institutions – California, IRWM	CWP ch1.4	discussion	HW3
5	2-16	Demand context, valuing water, agriculture, urban, environmental	Hanemann	discussion	HW4
6	2-23	Diversions, accounting, full natural flow, water information, modeling	Harou	analysis	HW5
7	3-2	Groundwater regulation, depletion, conjunctive use	Faunt	Modeling	HW6
8	3-9	Conservation, agriculture, urban, environmental, sustainability	CWP 3.3	modeling	HW7
9	3-16	Droughts, extent, climate context, adaptation	MacDonald	analysis	HW8
10	3-23	Sacramento-San Joaquin Delta	PPIC	analysis	HW9
11	4-6	Hydropower, facilities, pumped storage, latitude of operation	various	modeling	HW10
12	4-13	Floods & flood control, frequency, climate context	Lund	discussion	HW 11
13	4-20	Natural capital, forest & watershed management	WRI	discussion	HW 12
14	4-27	Projects & discussion	none	students	–
15	5-7	Projects & discussion	none	students	–