

Water Resource Management 4411

Topics and Sessions

DURATION: January - April 2017
TIME: Tuesday and Thursday, 1130 - 1300
LOCATION: Room RC-2003

COURSE TOPICS

- The scheduling of the topics below could change according to adding a field trip.
 - It is not the definitive list; topics will be added / deleted / shifted.
- (The following is a draft. Almost certainly rescheduling and other changes will take place)
- Assigned Reading is Underlined, **please read before the lecture**

Week	Date	Topic/Event
Week 1	Jan 10, 12	Introduction, course details, Global Water Issues lecture Assignment 1 issued (Schindler)
Week 2	Jan 17, 19	Great Lakes: Seaway and current issues Topic Proposal deadline January 19 Assignment 1 due (Schindler video) Great Lakes current issues: CBC interviews Guest Speaker: Keith Hobbs, Mayor of Thunder Bay Assignment 2: Waukesha Water Diversion (in class)
Week 3	Jan 24	Great Lakes current issues: Pipelines and Waukesha discussion Briefing: Sewage Treatment Plant Topic Proposal final deadline
	Jan 26	TOUR: Sewage Treatment Plant
Week 4	Jan 31	(<u>Chapter 4: Groundwater Hydrology</u>) Ground water lecture
	Feb 2	Drinking Water: Concerns and Threats, Reading: <u>Chapter 5: Water Quality</u>
Week 5	Feb 7	Drinking Water: Concerns and Threats, Part 2
	Feb 9	Dams and Hydroelectricity lecture
Week 6	Feb 14	<u>Chapter 7: Drawers of Water, Diversions:</u> Note carefully pp 148-160

		Grand Canal proposal and Water diversions lecture
	Feb 15	Research topic: Interim update due
	Feb 16	Guest lecture or TBA
		Assignment 3 issued
Reading week		
Week 7	Feb 28	Case study: Thunder Bay flood of May 2012
	Mar 2	Radar interpretation and workshop in class
	Mar 3	Research topic due
Week 8	March 7	Conference: Recent and Current Issues (Session 1)
	March 9	MIDTERM
Week 9	March 14	<u>Chapter 8: Thirsty Neighbours</u>
		Conference: Recent and Current Issues (Session 2)
	March 16	TBA
		Lab exercise – Assignment 4 – begin in class
Week 10	March 21	Conference: Recent and Current Issues (Session 3)
	March 22	World Water Day
	March 23	Climate Change and Water Resources Policies Lecture
	March 24	Assignment 4 Due
Week 11	March 28	Guest Speaker: Carl Goodwin (to be confirmed)
	March 30	Conference: Recent and Current Issues (Session 4)
		<u>Chapter 15: The Land is Dry</u>
Week 12	April 4	Food production and water issues (brief lecture)
		Course review and discussion
		Assignment 5
