

# Water Resource Management 4411

## Topics and Sessions

**DURATION:** January - April 2016  
**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**

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Week	Date	Topic/Event
Week 1	Jan 5, 7	Introduction, course details, Global Water Issues lecture
Week 2	Jan 12, 14	3 D session: Yukon, Robert W. Service poetry, Water levels, Forest applications <b>Assignment 1 issued</b> (Schindler) <b>Topic Proposal deadline January 14</b> Experimental Lakes, Watershed/ Ecosystem Protection Reading: <u>Chapter 5: Water Quality</u>
Week 3	Jan 19	Topic proposal final deadline (Chapter 4: <u>Groundwater Hydrology</u> )
	Jan 21	Ground water lecture <b>Assignment 1 due</b> (Schindler video)
Week 4	Jan 26	Drinking Water: Concerns and Threats lecture, Part 1 Drinking Water: Concerns and Threats, Part 2 Discussion of <b>Assignment 1</b> (Schindler video) <b>Assignment 2 issued</b> (video) ( <b>due on February 9</b> )
	Jan 28	Dams and Hydroelectricity lecture (Part 1)
Week 5	Feb 2	<u>Chapter 7: Drawers of Water, Diversions: Note carefully pp 148-160</u> Dams and Hydroelectricity (Part 2)
	Feb 4	Case study: Thunder Bay flood of May 28, 2012
Week 6	Feb 9	<b>Assignment 2 due</b> (video write up) TOUR WTP Radar interpretation and workshop in class

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Feb 11

**(Assignment 3 issued: due on March 1)**

Reading week

Week 7	Feb 23	Federal-Provincial Carbon Coordination (RC 2005)
	Feb 25	Conference: Historical and Recent Issues (Session 1)
Week 8	March 1	MIDTERM
	March 2	<b>Webinar: Dr. Scott Higgins, ELA Research Scientist: Effects of climate change on lake waters (RC 2005)</b>
	March 3	Conference: Recent and Current Issues (Session 2)
Week 9	March 8	<u>Chapter 8: Thirsty Neighbours</u> The International Joint Commission (IJC) and St. Lawrence and Great Lakes Seaway
	March 10	Grand Canal proposal and basin diversions Lecture Lab exercise – <b>Assignment 4</b> – begin in class
Week 10	March 15	Conference: Recent and Current Issues (Session 3)
	March 17	Climate Change and Water Resources Policies Lecture
Week 11	March 22	<b>World Water Day</b> <b>Guest Speaker: Carl Goodwin</b>
	March 24	Conference: Recent and Current Issues (Session 4) <b>Assignment 4 Due</b>
Week 12	March 29	Water Conflict: Events and Analysis Lecture
	March 31	Great Lakes, Climate Change and the Great Lakes <u>Chapter 15: The Land is Dry</u>
	April 5	Food production and water issues (brief lecture)
		Course review and discussion

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