

## Limnology (ZOOL 415)

### Schedule for Fall 2008

(Lecture: T, R 8:00-8:50; LSII 367)

(Lab: F 1:00-4:50; LSII 310 or TBA; alternate weeks)

Supplemental information for ALL lectures and labs will be available on the internet; pages in parentheses correspond to readings in Dodds 2002

Week	Date	Topic
1 (T)	19 Aug.	Introduction ... handouts
1 (R)	21 Aug.	No class
1 (F)	22 Aug.	NO LAB
2 (T)	26 Aug.	Water (pp. 13-17)
2 (R)	28 Aug.	Lake classification (pp. 91-102)
2 (F)	29 Aug.	Light and heat (in room LSII 310)
3 (T)	2 Sept.	Thermal regimes and mixing (pp. 103-111)
3 (R)	4 Sept.	Rivers, and streams (pp. 69-89)
3 (F)	5 Sept.	LAB – Campus Lake
4 (T)	9 Sept.	Wetlands (pp. 47-67)
4 (R)	11 Sept.	Comparing lakes and rivers
4 (F)	12 Sept.	NO LAB
5 (T)	16 Sept.	Oxygen (pp. 203-228)
5 (R)	18 Sept.	Carbon dioxide (pp. 231-244)
5 (F)	19 Sept.	LAB – Devils Kitchen
6 (T)	23 Sept.	DOC, pH (pp.247-266)
6 (R)	25 Sept.	Major Ions (pp.247-266)
6 (F)	26 Sept.	NO LAB
7 (T)	30 Sept.	<b>Exam 1</b>
7 (R)	2 Oct.	Nutrients and eutrophication (pp. 337-356)
7 (F)	3 Oct.	LAB – Lab processing (in room LSII 310)
8 (T)	7 Oct.	Winter limnology
8 (R)	9 Oct.	Lake communities (pp. 113-123)
8 (F)	10 Oct.	NO LAB
9 (T)	14 Oct.	Phytoplankton (pp. 125-140)
9 (R)	16 Oct.	Phytoplankton (production) (pp. 215-219)
9 (F)	17 Oct.	LAB (half class) – Echosounding at Kinkaid
10 (T)	21 Oct.	Zooplankton (pp. 153-174)
10 (R)	23 Oct.	Zooplankton
10 (F)	24 Oct.	LAB (half class)- Echosounding at Kinkaid
11 (T)	28 Oct.	Benthic communities (pp. 191-195)
11 (R)	30 Oct.	Lake sediments
11 (F)	31 Oct.	LAB – Fisheries Annex computer room
12 (T)	4 Nov.	<b>Exam 2</b>
12 (R)	6 Nov.	Fish (pp. 174-177; 431-447)
12 (F)	7 Nov.	NO LAB
13 (T)	11 Nov.	Trophic cascade (pp. 403 - 410)
13 (R)	13 Nov.	Ecosystem approaches (449-471)
13 (F)	14 Nov.	LAB – Devils Kitchen revisited
14 (T)	18 Nov.	Hydrology
14 (R)	20 Nov.	Climate Change
14 (F)	21 Nov.	NO LAB

15 (T)	25 Nov.	Turkey Break
15 (R)	27 Nov.	Turkey Break
15 (F)	28 Nov.	Turkey Break
16 (T)	2 Dec.	Invasive species (pp. 195-201)
16 (R)	4 Dec.	Future of Aquatic Ecology
16 (F)	5 Dec.	Review (in 310)
17 (T)	9 Dec.	<b>Comprehensive Final Exam – 7:50-9:50 AM</b>