

# OBSERVER THEORY

Course Syllabus  
Fall, 2006

Course: Psych 233A  
Code: 68830

Lecture: TuTh 3:00–4:50  
Room: SSPB 2209

TEXT: *Observer Mechanics*

URL: <http://www.cogsci.uci.edu/%7Eddhoff/ompref.html>

PROFESSOR: Don Hoffman  
Office: SSPA 2169  
Phone: 824-6795  
Office Hrs: Tu 1:00–1:50

SECRETARY: Justine Sarashid  
Office: SSPA 2135  
Phone: 824-6336

## GENERAL INFORMATION

— In addition to the text there are papers to be read. These will be discussed in class.

## GRADING:

Your grade will be based on a paper (10-page double-spaced), or on a written final examination. The final examination will be passed out the first week of class.

## Schedule of Lectures and Readings

Lecture	Date	Topic	Chapter
1	Tu 9/26	Overview . . . . .	1: 1–19
2	Th 9/28	Fixed-axis Motion Observer . . . . .	2: 37–40
3	Tu 10/3	Measure Theory . . . . .	2: 20–23
4	Th 10/5	Measure Theory . . . . .	2: 20–23
5	Tu 10/10	Definition of Observer . . . . .	2: 23–30
6	Th 10/12	Definition of Observer . . . . .	2: 23–30
7	Tu 10/17	Observer Examples . . . . .	2: 30–33
8	Th 10/19	Observer Examples . . . . .	2: 33–41
9	Tu 10/24	Transduction and Observation . . . . .	2: 41–52
10	Th 10/26	Perception and Computation . . . . .	3: 53–58
11	Tu 10/31	Perception and Computation . . . . .	3: 59–63
12	Th 11/2	Lebesgue Logic . . . . .	Paper
13	Tu 11/7	Lebesgue Logic . . . . .	Paper
14	Th 11/9	Lebesgue Logic . . . . .	Paper
15	Tu 11/14	Primitive Semantics . . . . .	4: 64–72
16	Th 11/16	Extended Semantics . . . . .	4: 72–78
17	Tu 11/21	Group Theory . . . . .	5: 79–80
—	Th 11/23	Thanksgiving Holiday —	
18	Tu 11/28	Group Theory . . . . .	5: 79–80
19	Th 11/30	Observer Theory and Bayes . . . . .	Paper
—	Th 12/7	1:30p.m. –3:30 p.m., FINAL —	