SENSATION & PERCEPTION LAB PSYU320 SYLLABUS. sandpFall06.doc

Class meets: Monday 1:30 to 5:30 pm. Room: 274 NI Fall, 2006
Professor: Adam Reeves file: \scheduleFall06.doc
Office 237 Lake (enter via NI, 2nd. floor); phone 373-4708.
Office hours: Tuesday 9:30 - 11:30; or by appointment.
email reeves@neu.edu ; regular mail via Psych. office, 125 NI.
TA: Becky Grayhem. 373-3095. Email: grayhem.r@neu.edu. Office 243 LA (enter via NI, 2nd. floor).
Office hours: tba.; or by appointment.

Course text : any undergraduate text in sensation and perception, such as "Sensation and Perception" by Goldstein. If you do not have such a text, I may be able to lend you one; also, check the Library.
Grades will be based on an average of the reports, which can be re-written to improve the grade.
Your *class attendance is vital*; each week is a new experiment. Don't miss class !
The *class outline* (from **Gnomon copy**) is important – make sure to read ahead each week about the upcoming experiment for your group. Read the background material which helps explain why the experiment is interesting (Zhenlan and I will help), and to become familiar with the instructions that will make the experiment work. Keep track of dates for your group on the next sheet.

Week	Date	Experiment	Topic
1	no class		
2	11 Sept.	None	Introduction. Regression
3	18 Sept	None	Stats: ANOVA
4	25 Sept	Apparent Motion Expt.	*
5	2 Oct	Depth Expt.	**
6	9 Oct	columbus day - no class	
7	16 Oct	1 st . group Expt.	
8	23 Oct	2 nd. group Expt.	
9	30 Oct	3 rd. group Expt.	
10	6 Nov	4 th. group Expt.	
11	13 Nov	5 th. group Expt.	
12	20 Nov	6 th. group Expt.	
13	27 Nov	7 th. group Expt.	
14	4 Dec	Any re-runs.	Wrap-up and final re-writes.
15	12-16 Dec	No final exam.	

all work to be completed by Friday, Dec. 15 th.

* Apparent Motion is a class activity designed to help you practice preparing a lab report. It will not count in your grade. If this is your first laboratory class, it will be especially useful.
* Depth Expt. is another class activity, but less hand-held. It will count in your grade.
Every group does the remaining experiments, but in a different order.

Name of Experiment	Page in handout
Apparent Motion	10
Depth	12A
Masking	13
Mueller-Lyer	18
tones	27
Signal detection	32
iconic memory	36
stereo depth	530
Looming	55
report writing guide	70

This class works best if you begin writing your report right after each experiment. Do not delay; it is better to leave blank spaces where you are unsure, than to put it off. The class works by collaboration, so someone else in your group can (maybe) help you, or the TA or me, to understand an issue.

Each week, you should designate someone as the record keeper, to keep track of data and analysis programs. This person will be responsible for data entry and getting copies to the other students in the group. It is best to work together to use the statistical package, and to keep copies for yourself .

YOUR GROUP

Name Phone (day) Phone (p.m.) Record keeper for expt ?

YOUR SCHEDULE

Name of Expt.	Page	date of expt*	draft done?**	revised ?	read next Expt?
Apparent Motion	10				
Depth	12A				
Masking	13				
Mueller-Lyer	18				
tones	27				
Signal detection	32				
iconic memory	36				
stereo depth	55				

*write the dates in, depending on your group, to do your scheduled experiments.
** first draft must be done the same wek as the experiment was run. Make a tick to indicate completion. Make revision after you get my feedback; make a tick when paper is complete to your satisfaction.

Writing your reports.

The emphasis in this lab is on understanding the logic of the experiment, not on extensive background research. The readings in the package will be enough, along with a little help from a textbook.

Introductions should mention every variable that will be tested (there are usually one or two of these), *why* they are being tested, and a brief mention of *how* they will be tested. The Methods section goes into detail on how. Usually a two or three page Introduction will suffice, but getting this right takes thought.

Background work in the Library is NOT required, although referring to the readings and the relevant part of the textbook will help your understanding. You do NOT need to use APA format; just follow the example that I prepared, but put in more detail where needed.

Remember, you CAN re-write as many times as you need to get the grade you want, at no cost to your grade. Your paper must be your own, individual effort, though; you can work with your group on collecting and analyzing the data, but the writing must be yours. I do accept papers by email but hand-drawn graphs are essential, so you will have to give them to me in class or put them in my mail box unless you scan them.

List of experiments to do.

Student groups in Sensation and Perception Lab: Names:

1.
2.
3.
4.
5.
6.
7.

Dates for entire- Class experiments:
Aparent Motion 25 Sept.
Depth (with wooden boxes) 2 Oct.

Dates for doing 3-person group experiments:

Experiment Group:

DATE	16oct	23oct	30Oct	6Nov	13Nov	20Nov	27Nov
1 Meta	1	2	3	4	5	6	7
2 Illu	6	3	2	5	4	7	1
3 Tones	2	4	5	7	6	1	3
4 tsd	3	7	6	2	1	4	5
5 icon	5	1	7	6	3	2	4
6 Stereo	4	6	1	3	7	5	2
7 Loom	7	5	4	1	2	3	6

Please ring your own group in the table, to keep track of which experiment you will do each week. For example, if you are in group 2, then ring all the 2's in the table.
Then, enter your dates into the table on page 2, so you can keep track of reading and writing assignments.

It is a good idea to read ahead before each new experiment, even while you are finishing up writing about the current one.

Individual experiments	Equipment	Location
1. Metacontrast masking (meta)	Projection T'scope	small lab 4
2. Mueller-Lyer illusions (illu)	IBM Windows (/Vision Lab)	small lab 3
3. Rating/scaling (Tones)	Apple 2c	back room
4. Theory of Signal Detection	IBM DOS (/cogper.lab)	main room
5. Iconic memory (icon)	IBM DOS (/cogper.lab)	small lab 1
6. Stereo depth (stereo)	IBM Windows (/Vision Lab)	small lab 2
7. Looming (loom)	Apple Mac(/Active Eye)	main room