

## PSYCHOLOGY 315 - EXPERIMENTAL PSYCHOLOGY 1

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Spring 2012

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**Text:** *Statistical Methods in Education and Psychology, 3rd Ed.* by Glass & Hopkins.

*HyperStat Online:* <http://davidmlane.com/hyperstat/> (or see my website for a link)

OBJECTIVE: To provide students with a working knowledge of basic statistical reasoning and techniques used in the design, analysis, and evaluation of psychological experiments.

<i>Week of</i>	<i>Material (See back for sections for each chapter)</i>
9-Jan	
16-Jan	Chapters 4, 5, 6, 9, 10, 11
23-Jan	(Central tendency, variability, normal distributions,
30-Jan	sampling distributions, confidence intervals, t-test)
6-Feb	
13-Feb	<i>Exam 1</i>
20-Feb	
27-Feb	Chapters 7, 8, 14
5-Mar	(Bivariate correlation and regression analysis)
12-Mar	
19-Mar	<i>Exam 2</i>
26-Mar	
2-Apr	Chapters 12, 15, 18
9-Apr	(2-sample t-tests, analysis of variance)
16-Apr	
23-Apr	
30-Apr	<i>Exam 3</i>

All dates above are tentative. Class attendance is required. If you miss more than 4 or 5 classes, I would recommend that you drop the course. Makeup exams will NOT be given except under very extraordinary circumstances. Unexcused absences from exams receive a grade of zero. All three exams will be weighted equally in determining your grade.

Please feel free to come see me if you have any problems with the course.

### Emergency Evacuation Procedures

A map of this floor is posted near the elevator marking the evacuation route and the *Designated Rescue Areas*. These are areas where emergency service personnel will go first to look for individuals who need assistance in exiting the building. Students who may need assistance should identify themselves to the teaching faculty.

### Services For Students With Disabilities

For information about SSD and SEP services, contact Kim A. Warren, MSW, PhD, LCSW, Supported Education Advisor, at 482-5252, by e-mail at [kimawarren@louisiana.edu](mailto:kimawarren@louisiana.edu), or in the Conference Center, Room 126. Eligibility requirements are described at the SSD website. Also, there is free confidential help on campus for students with psychological disabilities (Bipolar, Depression, Anxiety, etc.).

<i>SMEP Chapter</i>	<i>Sections</i>	<i>Mastery Test</i>	<i>Probs &amp; Exerc</i>
4 Central Tendency	All	All	Omit 4-5
5 Variability	Omit 5.12	Omit 30	Omit 2-3
6 Normal Dist; Z-scores	Omit 6.9, 6.10, 6.11	Omit 22-24	Omit 13
10 Inference; Central Limit	Omit 10.21	Omit 42-43	All
11 Hyp Testing; Single t	Omit 11.15	All	Omit 7c, 11
9 Probability	Only 9.1-9.6	Omit 9-12, 15-17	Only 1-2
7 Correlation	Omit 7.15, 7.18-7.22, 7.24-7.26	Omit 26-31	Omit 7-8, 10-14
8 Prediction & Regression	Omit 8.12-8.30, 8.32-8.33	Omit 21-45	Omit 1r-1z, 4-7
14 Inferences about r	Omit 14.3, 14.7, 14.9-14.21	Omit 9, 11-12, 17-20	Omit 10-15
12 Ind & Dep t-tests	Omit 12.11, 12.17	Omit 35, 40-41	All
15 One-way ANOVA	Omit 15.13-15.30	Omit 33-34, 40-50	Omit 11-15
18 Two-way ANOVA	Only 18.1-18.7	Omit 15-16, 18-19, 22-24	Omit 2, 4c, 7g, 8-9

Tutoring is available **free of charge** for this course in the Learning Center (2<sup>nd</sup> Floor, Lee Hall). Other services include workshops and tutor-led study groups for individual class sections. The center also has a computer lab with internet access (213 Lee).

How to get the most out of a tutoring session:

1. Start right away. Students who begin tutoring from the beginning of the semester typically do better than those who wait.
2. Book your appointments early. During peak times, you may need to book a few days in advance to get the times you want. **Call 482-6583 to make an appointment.**
3. Come prepared. Please bring your class notes and textbook. Look over the readings and try the problems. If you can, bring a list of specific questions. The more you prepare, the more you will get out of the session.
4. If you miss a class, please get notes from a classmate before your session. Tutoring is not a substitute for attending class.

Contact Person: Marianne Parrish, Director

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