

Attention!

This is a *representative* syllabus.

The syllabus for the course when you enroll may be **different**.

Use the syllabus provided **by your instructor** for the most up-to-date information. Please refer to your instructor for more information for the specific requirements for a given quarter.

Psychology 220

Introduction to Data Analysis

Instructor: **Trisha Van Zandt**
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Web site: This course will use **Carmen**. Electronic communications via Carmen use your OSU handle (e.g., "smith.9999@osu.edu"). Make sure you check your OSU email on a regular basis.

Text: Howell, D. C. (2004, 2008, 2010). *Fundamental Statistics for the Behavioral Sciences* (5th Edition or higher). Belmont, CA: Brooks/Cole or Thompson Wadsworth.

Students with disabilities: This syllabus is available in alternative formats upon request. In addition, if you may need an accommodation based on the impact of a disability, you should contact the instructor immediately. Students with special needs should contact the **Office of Disability Services (ODS)** at 292-3307 for certification if they have not already done so. Upon such certification, the ODS and the instructor will make every effort to accommodate special needs. However, to ensure that evaluation of student performance in the course is conducted in a manner that is fair to all students, special accommodations will not be granted in the absence of ODS certification.

Academic Misconduct: All students at the Ohio State University are bound by the Code of Student Conduct (see http://studentaffairs.osu.edu/resource_csc.asp). Suspected violations of the code in this class will be dealt with according to the procedures detailed in that code. Specifically, any alleged or suspected cases of misconduct will be referred to the Committee on Academic Misconduct.

Grades

This course will use the following fixed grading scale:

A	A-	B+	B	B-	C+	C	C-	D+	D
93%	90%	87%	83%	80%	77%	73%	70%	67%	60%

There will be three exams, each worth 15% of your grade. We will have 3 short in-class quizzes, each worth 5% of your grade (for a total of 15%). Homeworks, which will be assigned on a weekly basis, will be worth 40% of your grade.

Important Dates		
	Date	Weight
Midterm 1	Friday, January 28	15%
Midterm 2	Friday, February 18	15%
Midterm 3	Friday, March 11	15%
Quiz 1	Wednesday, January 12	5%
Quiz 2	Monday, February 7	5%
Quiz 3	Monday, February 28	5%
Homework (best 6 of 9)		40%
		100%

Dr. Van Zandt reserves the right to modify the weights on exams, quizzes and homeworks as she sees appropriate. She also reserves the right to give unannounced or “pop” quizzes, either for extra credit or otherwise. *Extra credit cannot be used to raise a failing grade (E) to a passing grade (D or better). Extra credit will only be applied to final grades of D or better.*

The Curve

To prevent against unfair exams, the grade of the second highest scorer on any exam will be 100%, and the cutoffs will be computed from that grade. So, for example, if Dr. Van Zandt writes a really hard test and the second highest score is 72%, and you earn 60%, your score on that exam will be $60/72 = 83\%$. She will also apply this curve to the final grades.

Homework

Homeworks will be due on Monday or Wednesday of each week, depending on exam dates. Because solution sets will be posted online, no late homeworks will be accepted. There will be 9 homeworks assigned. Three of these are “optional,” and you can make up missing homeworks by turning in one or more of these optional assignments. Please note: homeworks are worth 40% of your grade! Don’t blow them off! If you do, even if you do perfectly on all exams and quizzes, the best grade you will be able to earn is a D.

Exams and Quizzes

Quizzes are closed book/closed notes, and will begin at the start of class time on the scheduled date. Each quiz will take no longer than 10 minutes. If you are late, you will miss the quiz. Makeup quizzes will not be provided to people who arrive late. *The quiz dates are Wednesday January 12, Monday February 7, and Monday February 28.*

Exams will be closed-book, but you may bring one 8.5"x11" page of notes to the exam. *The three exams will be on Friday January 28, Friday February 18, and Friday March 11.*

Please note carefully:

1. If, because of an emergency, you cannot take an exam or quiz at the scheduled time, you must contact Dr. Van Zandt BEFORE the test.
2. There will be NO EXCEPTIONS to (1.) above.
3. Dr. Van Zandt has voice mail (688-4081) so you can leave her a message if she is not at her desk.
4. You must provide DOCUMENTATION that verifies the emergency that prevented you from taking an exam or quiz at the scheduled time. No documentation, no makeup.

Tentative Class Schedule

Week	Dates	Howell (either edition)	Williams	Topics
<i>Descriptive Statistics</i>				
1	Jan 3 5 7	Ch 1,2(1,2) Ch 3(1-3)	Ch 1 Ch 2(1-4)	Introduction, preliminary concepts Frequency distributions, percentiles Recitation
2	10 12* 14	Ch 3(4-6) Ch 4	Ch 2(3) Ch 3(1,2)	Graphic representations Central tendency Recitation
3	17 19 21	Ch 5(1-6)	Ch 3(3,4)	Martin Luther King, Jr. Day Variability, dispersion Recitation
4	24 26 28	Ch 9(1-4)	Ch 3(5),11(1-3)	Covariance and correlation Examples, test review
Exam 1 (Covers readings and lectures through Week 4)				
<i>Inferential Statistics</i>				
5	Feb 31 2 4	Ch 9(6,7),10(1-5) Ch 6(1,2),7	11(4) Ch 3(6),4(1-2)	Correlation and regression Probability Recitation
6	7* 9 11	Ch 8(2),12(1) Ch 6(3)	Ch 4(3) Ch 9(1,2, stop before 9.2.1)	Sampling distributions Confidence intervals Recitation
7	14 16 18	Ch 12(7)		Confidence intervals cont. Examples, test review
Exam 2 (Covers readings and lectures from Weeks 5-7)				
8	21 23 25	Ch 8(1-5) Ch 8(6-8)	Ch 5(1,2) Ch 5(3-6),7	Hypothesis testing The z -test Recitation
9	28* Mar 2 4	12(3-7) 14(1,3,4,6)	6,9(2.1) 8(1,3,4)	The one-sample t -test Two-sample t -tests Recitation
10	7 9 11	13(1-4)	8(2)	Two-sample t -tests cont. Examples, test review
Exam 3 (9:00 A.M. in the lecture hall. Covers readings and lectures from Weeks 8-10)				

* - Quiz day

Informed Consent

I have read and understood the contents of the syllabus for Psy 220 “Introduction to Data Analysis” and agree to abide by the policies and schedule contained within it. In particular, I understand that

1. Dr. Van Zandt also agrees to abide by the policies and schedule in the syllabus.
2. I will consult the syllabus if I have questions about the course policies and schedule.
3. Dr. Van Zandt cannot make special exceptions for me because that would be unfair to everyone else in the course.
4. My continued enrollment in Psy 220 indicates my acceptance of these policies and schedule.

Printed Name

Signature