

2000 Introductory Statistics
Course Syllabus
Fall 2017

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Office hours: Monday and Wednesday 1:30 – 2:30 and by appointment

Required Course Materials:

Spatz, C. Basic Statistics: Tales of Distribution. Belmont, CA: Wadsworth/Thomson Learning.

Additional Supplies

Calculator

Three ring notebook

**Bring your book, cookbook, and calculator to every class session!!

Course Description

Psychology 4000 is a course designed to provide you with an introduction to statistical methods in the behavioral and social sciences by teaching you how to think about statistical issues. Lectures will focus on techniques for describing behavior data and making inferences about them. After taking this course, you should be able to understand and apply many of the essential statistical concepts used by psychologists in basic and applied research. In addition, this course will prepare you for more advanced courses in statistics.

Prerequisite

The prerequisite for this course is PSY 1000 (General Psychology)

Student Responsibilities

My goal is to provide you with the best educational experience possible. However, it is up to you to take advantage of the instructional activities that are planned. Some of your responsibilities include:

- Attend all class and lab sessions
- Arrive on time
- Read all assignments on the schedule prior to class
- Allow sufficient time to prepare for class (6 to 9 hours per week outside of class)

Academic Integrity

All students are expected to uphold Villanova's Academic Integrity Policy and Code. Any incident of academic dishonesty will be reported to the Dean of the College of Liberal Arts and Sciences for disciplinary action. For the College's statement on Academic Integrity, you should consult the Enchiridion. You may view the university's Academic Integrity Policy and Code, as well as other useful information related to writing papers, at the Academic Integrity Gateway web site: <http://library.villanova.edu/Help/AcademicIntegrity>

Disabilities

It is the policy of Villanova to make reasonable academic accommodations for qualified individuals with disabilities. You must present verification and register with the Learning Support Office by contacting 610-519-5176 or at learning.support.services@villanova.edu or for physical access or temporary disabling conditions, please contact the Office of Disability Services at 610-519- 4095 or email Stephen.mcwilliams@villanova.edu Registration is needed in order to receive accommodations.

Grading

	Points
Test #1	100
Test #2	100
Test #3	100
Cookbook	20

An incomplete (“N”) will only be granted in emergency situations, such as severe illness. However, you must get my approval ahead of time to receive an incomplete. Do not assume an incomplete will be granted automatically if you miss an exam. Leaving a message on my voice mail does not constitute permission.

Final Grade % of total points

Grade	%	Grade	%
A	93+	C	73-76
A-	90-92	C-	70-72
B+	87-89	D+	67-69
B	83-86	D	63-66
B-	80-82	D-	60-62
C+	77-79	F	<59

Tests

Each test is split into two sections – one section is closed note and the other section is open note (closed book). This is why it is essential for you to create a statistical “cookbook”. There will be no make-up exams without a written excuse. All make-up exams must be completed during the departmental make-up time.

Cookbook

This term refers to step by stop examples of how to compute each statistic. You are **required** to have a summary Cookbook page for every major topic covered and a separate page for each major statistical formula covered. All other class work, returned exams, and class projects must be kept in a three ring notebook. Your cookbook will be evaluated periodically in class and prior to the final exam.

- Up to -5 points for missing Detailed Tabs and Table of Contents
- Up to -10 points for lack of Neatness, Completeness and Accuracy

Course Modification

The schedule and procedures listed in this syllabus are subject to change. **Tentative Weekly Schedule of Lectures**

	Class	Book Chapter
Aug 23	Introduction to the class	1
Aug 25	Frequency Distributions and Graphs	2
Aug 28-Sep 1	Central Tendency and Variability	3-4
Sep 4	No Class	
Sep 6-11	Other Descriptive Statistics	5
Sep 13	Review	
Sep 15	Test #1	
Sep 18-25	Correlation and Regression	6
Sep 27-Oct 2	Theoretical Distributions	7
Oct 4-6	Samples and Confidence Intervals	8
Oct 9-13	No Class	
Oct 16	Samples and Confidence Intervals	8
Oct 18	Review	
Oct 20	Test #2	
Oct 23-30	Hypothesis Testing: One-Sample Designs	9
Nov 1-3	No Class	
Nov 6-10	Hypothesis Testing: Two Sample Designs	10
Nov 13-17	Analysis of Variance: One-Way Classification	11
Nov 20 - 24	No Class	
Nov 27-29	Analysis of Variance: Repeated Measures / Factorial Design	12,13
Dec 1 - 6	Chi Square	14
Dec 8	Choosing Tests – Putting it all together!	
Dec 11	Review	
Final Exam	Test #3	