

## Syllabus

E270 Introduction to Statistical Theory for Economics and Business, Spring 2008  
Section 19965

Instructor: Robert Sandy, Professor, Department of Economics, IUPUI and  
Assistant Executive Vice President, Indiana University

Offices: CA 509B, AO 104  
(call me to check which office I will be in)

Office hours: MTWR 2:30-3:30 PM

Office phones: 278-1611

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Email address: [icjz100@iupui.edu](mailto:icjz100@iupui.edu)

Tutoring:

The economics department provides a free tutor for E270 who will be available starting  
TBA.

Tutor:

Office: foyer of CA 509

Tutor Hours:

Monday: TBA

Tuesday: TBA

Wednesday: TBA

Thursday: TBA

Friday: TBA

Required textbook:

Anderson, Sweeney, Williams, Essentials of Statistics for Business and Economics with  
CengageNow 5<sup>th</sup> Edition, ISBN: 978-0-324-65390-8.

This package will only be available at the IUPUI bookstore. Their price is \$163. It can  
be ordered online at: <http://www.bookstore.iupui.edu/>

The CengageNow part is the computer homework software. Some students last semester bought the same textbook at Amazon.com but it did not include the computer homework. What can be confusing is that the book at Amazon did come with a disk, but it was a data disk and not the homework software. Another potential source of confusion is that the software used to be called ThomsonNow. You only have to buy this software once. The license is permanent and carries over from the ThomsonNow version.

If you buy the textbook without the computer homework disk you can get the computer homework software directly from CengageNow at the website:  
<http://west.ilrn.com/ilrn/authentication/welcome.do>

The price of the CengageNow homework software is

Another option is to buy access to the book electronically. That can be done at the above website.

**The course key for enrolling in CengageNow is E-YK8HRUMSZKHV7**

You need to navigate to Indiana and list IUPUI as your campus.

Borders, the new bookstore operator for all IU campuses, makes it harder to buy the same book somewhere else, such as Amazon.com, by not listing the full title or the ISBN. The information they provide is a rather cryptic abbreviation:

ESSENTLS OF STAT F/BUS+ECON W/CD

I provided the full name and the ISBN above.

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Course objectives:

The main objective of this course is to give you a working knowledge of introductory statistics. This knowledge includes the ability to recognize which statistical technique or test applies in a given situation, how to perform the test, and how to draw the correct conclusions. Introductory statistics is not really a mathematics course because there are no required proofs and the mathematical manipulations are usually simple substitutions. However, the course describes over a 100 formulas that each apply to a specific situation. The key skill you must learn is to organize this material and understand the rules for applying each formula.

For the final exam and the two mid-semester exams you will be allowed to bring up to three (3) sheets of 8.5 by 11 inch paper on which you may write your notes on both sides. The purpose of these "crib" sheets is to encourage you to organize the material in a manner that makes the most sense to you.

Statement on plagiarism:

You can make use of any help you can muster (including visits to my office hours) for the homework assignments, but the two exams and the final are to be strictly solo efforts. Any violation of this rule will result in an F for the course and a report of the transgression to the Dean of Student Affairs.

Note:

The final exam is on Wednesday, April 30, 8:00am to 10:00am, Lecture Hall, room TBA.

Tips on Studying:

The weekly hours of study for E270 should be at least five. This figure may have to be increased depending on a student's math background and aptitude and the grade they hope to receive. The following tips on studying are suggestions on how you can make the best use of study time.

1) Two hours per week should be devoted to reading the chapters before the lectures. The pacing and emphasis in the lecture is based on the assumption that the chapters have been read before class. I thought telling students to watch the lectures would be unnecessary. An incident last semester caused me to change my thinking.

Last Spring I moved the first hour exam from the listed room to another room because there was another class in the announced room. At the review session a week before the real exam I announced the room change but I forgot to put the change out on Oncourse. Three students walked in to the exam room five minutes late because they were wandering around trying to find the right room. They came up to me and asked if this was the e270 exam. Clearly, they had never looked at a single tape because they had no idea who I was. Not coincidentally, all three of them flunked the first exam and withdrew from the course.

2) The home works should take about two hours per week.

3) Before each hour exam two hours should be spent on a practice exam and before the final exam four hours should be spent on a practice final exam. Some of my old hour exams and old finals are available on the web at [www.iupui.edu/~icjz100](http://www.iupui.edu/~icjz100).

Additional (and more recent) final exams are available at <http://www.liberalarts.iupui.edu/~mowilhel/>

The most recent e270 common final is available on Oncourse.

4) If you find that you are having difficulty with any topics you should add visits to either my office hours or the tutors for additional help. If you can't make my listed office hours,

call me to set up another time. The time spent with the tutor or instructor should be in addition to the time spent on items 1 through 4.

### Grading:

The grading is based on a straight percentage scale. The home works will either be computer problems or hand-calculations. For the computer problems you can hand in the printouts to show your work.

### Grading system points:

Assignment	points
25 computer home works @ 8 points (26 assigned_1 can be missed)	200
2 hour exams @ 150 points	300
2 sample hour exams @ 50 points	100
1 sample final exam	100
1 final exam	300
Total	1,000

### Letter Grades Points

A	1,000 to 850
A-	849 to 800
B+	799 to 750
B	749 to 700
B-	699 to 650
C+	649 to 600
C	599 to 550
C-	549 to 500
D+	499 to 450
D	449 to 400
F	399 to 0