STA 3024 Introduction to Statistics II Summer A 2010

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Office hours:
MWF 11:00am – 12:00pm,
or by appointment

Section:	Period:	Days:	Room:
1053	2nd	MTWRF	TUR L011

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Office hours: M 5th and 6th periods (2:00pm – 4:45pm), Griffin Floyd 209
T 3rd and 4th periods (11:00am – 1:45pm), Griffin Floyd 209
W 5th and 6th periods (2:00pm – 4:45pm), Griffin Floyd 105
R 3rd and 4th periods (11:00am – 1:45pm), Griffin Floyd 117 D

Course Description and Objectives:

The sequence of courses STA 2023-3024 provides students with a firm foundation in the basics of applied statistical methods. The prerequisite for this course is STA 2023, which covered chapters 1-8 in the textbook (Data collection, graphical and numerical summaries, probability and an introduction to statistical inference). Introduction to Statistics II focuses on the following four topics:

1. **Contingency tables and the chi-squared test** for categorical variables
2. **Nonparametric Statistics** that do not require a Normal distribution of the response variable.
3. **Analysis of Variance** in both one-way and two-way layouts.
4. **Inference for Regression**, covering Simple Linear Regression and Multiple Regression.

Required Materials:

1. **Statistics: The Art and Science of Learning from Data,** by Alan Agresti and Chris Franklin, Prentice Hall, 2008. We will use all 15 chapters of the book. The first edition (2007) will also work, but the chapters, examples, and homework problems might be n bered differently. Although the textbook will not be used for any graded assignments or required readings, you will still find it useful as a source of extra problems and as a reference for additional information or alternative explanations.
2. **Scientific or Graphing Calculator** that has some basic statistical functions like mean and standard deviation (look for the following symbols: and either s or σ_{n-1}). Please be aware that saving notes into a calculator and accessing them during an exam is considered cheating and will be dealt with accordingly.

Course Website: http://www.stat.ufl.edu/~lmori80

Announcements, Assignments and Suggested Homework Problems will be posted on the course website. **Note: The lectures for this class will NOT be available online.**

Assignments - There will be six assignments to be completed during the semester. Each assignment will be worth ≈ 25 points each for a total of 150 points. **Assignments are due every Friday. Grades will be posted on the website.** You may work together on the assignments, but simply copying another student's paper is considered cheating and will be dealt with accordingly.

Suggested Homework Problems - These problems will not be collected, but they are a good y to help you master the material.

Exams: There will be three exams given in class during the semester, each worth 100 points. All exams are closed-book and in multiple-choice format. **All students must bring the following to the exam: their student ID number or picture ID, a calculator, and pencils.**

In case of conflict or illness, if a student is unable to take an exam at the scheduled time, they must get in touch with the instructor immediately, for any arrangements to be made for a makeup. Each case will be reviewed individually. Valid and detailed documentation is a prerequisite under such extenuating circumstances. A grade of zero is the minimum punishment of any type of dishonesty on an exam.

Exam 1	**Friday, May 21, 2010 (in class)**	**Chapters 1-3**
Exam 2	**Friday, June 4, 2010 (in class)**	**Chapters 4-5**
Exam 3	**Friday, June 18, 2010 (in class)**	**Chapters 6-7**

Course Assessment:

Grade Structure:

Exam 1	100 points ≈ 22.2%
Exam 2	100 points ≈ 22.2%
Exam 3	100 points ≈ 22.2%
Assignments	150 points ≈ 33.3%
TOTAL	450 points

Grading Scale:

A	395 to 450 points
A-	380 to 394 points
B+	365 to 379 points
B	350 to 364 points
B-	335 to 349 points
C+	320 to 334 points
C	290 to 319 points
C-	275 to 289 points
D	245 to 274 points
E	0 to 244 points

Course Policies:

Email – will be answered within one working day in most cases. Please be aware that statistical questions should be answered in person (in class or during office hours) since they often require pictures and formulas that make it very hard to communicate through email.

Attendance – although not required, is very highly recommended. This class is NOT offered online. If you miss a class for any reason, it is your responsibility to get a copy of the notes and all information given in class from another student. Additionally, during class students should turn off their cellular phones and refrain from eating, drinking, reading newspapers, doing homework, listening to music and excessive talking.

Privacy Policies – Student records are confidential. Only information designated as UF directory information may be released without your written consent. This includes requests from parents or anyone else who contacts me about your performance in the class.

Academic Honesty – All students are required to abide by UF's academic honesty guidelines. For students in this course, the relevant portions can be summarized as follows: Do not cheat.

Grading – grades will be changed only when an error has been made. Negotiation is not appropriate.

Incompletes are only assigned when extraordinary circumstances, arising after the date for dropping the course, prevent the student from completing the course requirements. Having a failing grade in the course is not a valid reason for requesting an Incomplete.

Students with Disabilities - Students who require special accommodations in class or during exams should follow the procedures outlined by the Disability Resources Program (http://www.dso.ufl.edu/drp/). Please see the instructor during office hours early in the semester, to discuss your accommodation letter confidentially.