

## Sample Syllabus of STAT 2232, Section A, Introduction to Statistics II

Credit Hrs	3
Term	Any Term, 20XX
Class Meetings and Location	8–8:50AM, MWF, MPCS3031
Prerequisites	A minimum grade of “C” in STAT 2231.
Instructor	Yma Mean
Office Location	MPCS 2314E
Contact Information	Phone: 681-5555 E-mail address: <a href="mailto:statsrus@georgiasouthern.edu">statsrus@georgiasouthern.edu</a>
Office Hours	MWF 10:00pm - 11:59pm
Textbooks and Materials	Moore and McCabe, Introduction to the Practice of Statistics, 5 <sup>th</sup> edition, W. H. Freeman, publisher. We will cover Chapters 7-15 with some material omitted. TI-83 graphing/statistical calculator
Course Objectives	Students successfully completing this course will be able to: <ol style="list-style-type: none"><li>1. Use statistical inference methods for one- and two-sample problems.</li><li>2. Calculate and interpret descriptive and inferential measures for relationships for both categorical and numeric data.</li><li>3. Perform analysis of variance techniques for one- and two-factor studies.</li><li>4. Perform basic inference procedures in a nonparametric setting.</li><li>5. Use appropriate modern technology to solve problems and communicate results.</li></ol> For information on related General Education Outcomes, see <a href="http://academics.georgiasouthern.edu/provost/instruction/gened_outcomes.html">http://academics.georgiasouthern.edu/provost/instruction/gened_outcomes.html</a>
Assessment of Course Objectives:	Student achievement of the course objectives will be measured through the use of daily homework assignments, participation in class discussions, graded weekly homework assignments, four hourly in-class exams and a comprehensive final exam.
Grading Policy: (varies by instructor)	Grades will be assigned on a percentage of total points. (The percentage will be rounded to the nearest whole number.) A student earning 90%-100% of the total points will receive a course grade of an A, 80%-89% a B, 70%-79% a C, 60-69% a D and below 60% an F. The course average will be determined using the scores from the weekly homework assignments, the 4 hourly exams and the final exam. The scores from the weekly homework assignments will comprise 10% of the course average, the four hourly exams 65% and the final exam 25%.
Make-up Policy: (varies by instructor)	No make-up exams will be given. When a student misses an exam the score from the final exam will be substituted for the missing exam

score. No late homework will be accepted.

Attendance Policy: Students are expected to attend each class meeting and pay attention but attendance will not be taken. A student who chooses to miss class is responsible to find out what was discussed and learn the material that was covered on the missed day. The instructor is **not** responsible for re-teaching material missed by a student who did not attend class.

Academic Dishonesty Policy: Any student who exhibits academic dishonesty in any form will receive a failing grade (F) for the entire course and will be reported to the University Judicial Officer. For a full discussion of academic dishonesty, see the Student Guide at <http://students.georgiasouthern.edu/sta/guide/>. Storing unauthorized programs or information in your calculator is considered cheating.

Civility Statement: See the Student Conduct Code at the URL above.

Disability Policy: See [www2.georgiasouthern.edu/Disability\\_Services/](http://www2.georgiasouthern.edu/Disability_Services/).

Additional Help: The Academic Success Center offers free peer tutoring during the week. Contact the tutorial centers for exact hours at 681-0321 or <http://academics.georgiasouthern.edu/success/>

## Course Schedule (STAT 2232)

Day	Subject
1	Chapter 7 - T distribution, Cis
2	T tests
3	Two Sample Tests
4	Chapter 8 - One proportion Cis, sample size
5	Two Proportions
6	Chapter 9 - Data Analysis for 2-way tables
7	?2 tests of association
8	Test 1
9	Chapter 2 - Review of Linear Regression
10	Chapter 10 - Inference for simple regression
11	Inference for simple regression
12	Chapter 11 - Multiple regression
13	Multiple regression
14	Model Building in multiple regression
15	Chapter 12 - One-way Analysis of Variance
16	One-way Analysis of Variance
17	Comparing Means in ANOVA
18	Test 2
19	Chapter 13 - Two-way Analysis of Variance
20	Two-way Analysis of Variance
21	Chapter 14 - The Sign and Sign-Rank tests
22	The Kruskal-Wallis Test
23	Other Non-parametric tests
24	Chapter 15 - Logistic Regression
25	Logistic Regression
26	Logistic Regression
27	Review
28	Test 3
29	Review
30	Review