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## QMB6358: Statistical Analysis for Managerial Decisions

Time: Section 0321: MW 9:35 – 11:30am Place: STZ 102  
Section 9386: MW 1:55 – 3:50pm  
Instructor: Dr. Xiajun Amy Pan Email: amypan@ufl.edu  
Office: STZ 329 Phone: 352- 273 - 3267  
Office Hours: MW12:30 -1:30pm Web: [E-learning site](https://lss.at.ufl.edu/) (https://lss.at.ufl.edu/)

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### **COURSE DESCRIPTION:**

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This course provides the essentials of statistics for business decision-making. We will cover topics of analysis of variance, Chi-square tests, nonparametric tests, simple linear regression, and multiple regression. You will also learn how to use computer software in decision and statistical analysis.

The main objectives of this course are:

- To enhance your knowledge of statistics in business world
- To provide the tools for you to apply simple and multiple regression analysis for problem solving in a business environment.
- To provide a general understanding of more advanced statistical techniques listed above under the course description.

Prerequisite: A course in statistics (QMB 3250, STA 3024, QMB 5304 or equivalent).

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### **COURSE MATERIALS:**

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#### **1. Required Text**

- “Basic Business Statistics” by Mark L. Berenson, David M. Levine, Timothy C. Krehbiel; 12th Edition; Pearson Prentice Hall 2012. ISBN-10: 013309930X, ISBN-13: 978-0133099300.

**2. Course Website:** This course will use the E-learning substantially. The login page is located at <https://lss.at.ufl.edu/>

- (a) **Course Notes:** PowerPoint slides will be posted on the E-learning site. These slides may be incomplete and you will be expected to fill in the blanks in class.
- (b) **Assignments:** Team homework (3 students per group) will be collected for grading. The solutions will be posted in the website.
- (c) **Forums:** You are invited to further discuss topics brought up in class on the forum. You can also post any comments you have about the material and ask questions. Finally, you can post comments, criticisms and suggestions anonymously regarding the course.

- (d) **Grades:** Grades on exams, quizzes and assignments will be posted on the E-learning site. Please check that the grade posted matches the grade on your paper copy and notify the instructor as soon as possible in case of a discrepancy. According to the university rules, the final grades will not be posted, given over the telephone, or released by e-mail.

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## **PERFORMANCE EVALUATION:**

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The grades for this course will be based on a curve. This means the grade that you get for this course will depend on your relative rank in the class. As per college norms, the grading will maintain a maximum mean grade point average of 3.50 (for example, 20% A, 20% A-, 50% B+, 10% B is one possible distribution). Grades of C+, C and below can and will be given when student performance warrants.

	<b>Grade</b>
Exam 1	40%
Exam 2	40%
Quizzes	10%
Team HW	10%
<b>Total</b>	<b>100%</b>

### **Exams**

The exams will be closed book unless otherwise announced. ***THERE WILL BE NO MAKEUP EXAMS.*** Conflicts for the exams must be resolved before the exam dates. You should contact me at least two weeks prior to the exam date and let me know in writing. Last minute requests will not be entertained. The only reasons for not being able to sit for an examination in its announced time should be part of University policy, or a documented medical excuse. Note that, for example, attending a wedding (even your own), job interviews, or early vacation plans will not be considered a valid excuse for missing an exam: ***mark your calendars now and plan around these times.*** The penalty for a missed exam is a zero grade on that exam.

### **Quizzes**

Quizzes will be given in class on the dates shown in the schedule. However, the dates may change, I will announce it at least one class period prior to the quiz. Students are responsible for any announcements in class including upcoming quizzes. Quizzes are closed book and closed notes. ***THERE WILL BE NO MAKEUP QUIZZES.***

### **Homework Assignments**

Homework assignments have to be submitted electronically on Canvas by the due date listed on the schedule. ***No late homework assignments will be accepted.***

### **Peer Evaluations of Team Assignments**

There will be peer evaluations of group assignments at the end of course. Grades of team assignments will be adjusted according to the consensus feedback from the peer evaluations.

### **Class Participation**

You are expected to attend all classes. There is no formal class participation grade but I will make a note of students who participate regularly in class, solve problems that I pose to the class for in class solving, etc., and may adjust their grade favorably in borderline cases. Please ***leave your name-card up*** for the entire duration of each class and ***keep the same seat*** for the duration of the course. You are expected to be punctual in class attendance and remain in the classroom for the entire class session, as you would in any business appointment, unless an urgent need arises or prior arrangements have been made with me.

Laptops and other electronic devices should be used with discretion and ***only as permitted for work directly related to the class session***. Emailing, accessing the Internet, and working on matters unrelated to the work at hand are inappropriate behaviors because they are disrespectful and distracting to the class and to the instructor.

Classroom discussion is an important part of the pedagogy. Students should be fully prepared to engage in class discussion, and they should use the opportunity to develop positive and professional communication skills. This includes according respect for differing perspectives and contributions to discussion, as well as building on the base for discussion laid by student colleagues and the instructor.

### **Discipline in class**

I would expect you to maintain the decorum of the class at all times. As with any other group activity, be acutely aware that your actions in class can have negative externalities that can collectively affect the performance of the entire group.

Teaching policies (academic honesty, student illness, religious holidays, accommodating students with disabilities and others): <http://www.registrar.ufl.edu/staff/policies.html>.

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## **ACADEMIC INTEGRITY**

Academic integrity and honesty are essential in the development of a professional manager. This society is not willing to tolerate dishonest or otherwise unethical professional business managers. Students must attend to, and follow, the University of Florida code of student conduct, with special attention to academic integrity and academic honesty. They must never appropriate the ideas and work of others, including both academic sources and fellow students, without appropriate attribution or by claiming others work as their own. They must exercise complete honesty in following the conditions established by the instructor for examinations and other assignments. Finally, they must be honest with one another, be willing to be accountable for their own failures of honesty and integrity, and not tolerate such failures in classmates.

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## **COMMUNICATION**

I will be available at my office during the office hours. I will also be available by appointment and I am very accessible via email. If you need to set up an appointment other than during my regular office hours, please send me e-mail at [amypan@ufl.edu](mailto:amypan@ufl.edu). I will respond as quickly as I can.