Instructor Information
Name: Dr. Hedayeh Samavati
Email: SAMA.VATI@IPFW.EDU
Office location: Neff 340E
Office hours: TR: 11:00 - Noon & by appointment.
Office Phone: 260-481-6487

Additional Information
I am typically available to talk via e-mail, over the phone, and in person. However, the best (and quickest) way to reach me is via Elearning/Blackboard e-mail. I make EVERY effort to respond to messages within 24-48 hours. If I will be unavailable any period of time (e.g., travelling with no internet access), I will let you know ahead time.

Please also note that I do read every discussion thread comment. I make the discussion board available so that students can have peer-to-peer interaction, should they desire to do so. I read all of the messages with great interest because I believe they provide a way for me to get to know my students.

Teaching Assistant
Name: Ms. Marci Betancourt
Email: betama01@students.ipfw.edu

Textbooks

CENGAGEbrain: Online Information Center which contains the e-book, study tools & more. You access it through: http://login.cengagebrain.com. I have posted a PDF file on the course website containing the instruction regarding how to register & access CENGAGEbrain.

Course Prerequisites
Math 229 or equivalent, Sophomore Standing

Course Objectives
1. Students are to become competent in the use of statistical methods and to be able to concepts, principles, and techniques of decision making to the problems examined in upper division business courses at IPFW and to those in the "real world".

2. Students are to develop an appreciation for the utility of statistical methods and the evidence these methods can provide and the way they are used in business decision making.

3. Students are to become familiar with the essential elements of computer use needed to perform statistical computing.

Course Outline
Sections: 1.1, 1.2, 1.3, 1.4, 1.5, and 1.6.

Textbook Suggested Problems:  
Problems: 2, 4, 6, 7, 9, 11, and 13.

Sections: 2.1, and 2.2.

Textbook Suggested Problems:  
Section 2.1: 2, 4 (parts a, b, and d), and 7.  
Section 2.2: 11, 12, 13, and 17.

Sections: 3.1, 3.2, and 3.3.

Textbook Suggested Problems:  
Section 3.1: 2, 3, 4, 5, and 6.  
Section 3.2: 23, 24, and 25.  
Section 3.3: 35, 36, 37, and 38.

Sections: 4.1 (pp. 176-178), 4.2, 4.3, and 4.4 (pp. 195-196) Independent events & Multiplication Law for Independent events).

Sections: 5.1, 5.2, 5.3, and 5.5.

Textbook Suggested Problems:  
Section 5.1: 1, 2, 3, and 6.  
Section 5.2: 7, 9, 12, 13, and 14.  
Section 5.3: 15, 16, 17, and 24.  
Section 5.5: 31, 32, 33, 35, 41, and 42.

Introduction (pp. 266-267) and Section 6.2.

Textbook Suggested Problems:  
Section 6.2: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, and 23.

Sections: 7.3, 7.4, 7.5, and 7.7.

Textbook Suggested Problems:  
Section 7.3: 11, 13, and 15.  
Sections 7.4 & 7.5: 18, 19, 20, 21, 23, 25, 26, and 29.

Sections: 8.1, 8.2, and, 8.3.

Textbook Suggested Problems:  
Section 8.1: 1, 2, 3, 5, and 7.  
Section 8.2: 11, 12, 13, 14, 15, and 19.  
Section 8.3: 23, 24, 25, 26, and 30.

Textbook Suggested Problems:
Section 9.1: 1, 2, and 3.
Section 9.3: 9, 10, 11, 12, 13, and 16.
Section 9.4: 23, 24, 25, 26, and 27.

Sections: 10.1 and 10.2 (Independent Samples).

Textbook Suggested Problems:
Section 10.2: 2, 3, 6, 10, 11, and 14.

Sections: 3.5 (pp. 136 - 142), Appendix 14.2 (pp. 677), 14.1, 14.2, 14.3, 14.4, 14.5, 14 and 14.7.

Problems will be provided by Dr. Samavati

Sections: 15.1, 15.2, 15.3, 15.4, 15.5 and 15.6

Problems will be provided by Dr. Samavati

Quizzes- Home-Works

There are nine quizzes in addition to the three exams. **Quizzes, in reality, are just computer-graded home-works!** That is, in the content folder for each chapter, I have provided you with the “quiz” problem(s). After seeing the quiz problem, you can print problem(s) and work to find the solution. Once you have the solution, you can go to the “Quizzes” icon on the homepage and take your quiz by the deadline. Therefore, quizzes simply computer-graded home-works. I have prepared them in this manner to create flexibility for you. **You can take each quiz up to 2 times** and your highest grade will be used as your grade.

Remember the quiz problems will HELP you to figure out the answer to the quizzes. Quiz problems and quizzes, in turn, will help you to do well on the exams. Also, remember you have limited time and TWO chances to take a quiz. However, you have plenty of time to figure out the answer to the quiz problems before taking a quiz. You must take relevant quizzes BEFORE each exam. Make sure to take them all BEFORE the deadline.

**A Tentative Timetable For The Coverage Of Course Material**

Please pay close attention to the DATES of exams and CHAPTERS over which you will be tested, WEEKS are less important. Also, slight adjustments are possible. The professor reserves the right to vary the class schedule, depending on student response, the need for increased / decreased time for coverage of topics, and possibly important events.

**WEEKS 1, 2 AND 3**

Course Introduction, Chapter 1, Chapter 2, and Chapter 3.
Take quizzes 1, 2, and 3 (Final deadline for taking quizzes is Monday, September 29 at 10:00 p.m.)

**WEEKS 4 AND 5**

Take quizzes 5 and 6 (Final deadline for taking quizzes is Monday, September 29 at 1 p.m.)

**EXAM I**

In-class Students: Tuesday, September 30, 2014
Distance-learning Students: Any time between Tuesday, September 30 and Wednesday, October 1st, 2014 (10:00 AM to 10:00 PM).

**WEEKS 6, AND 7**

Sampling Distribution of Sample Mean, Chapter 7
Take quiz 7 (Final deadline for taking quiz is Monday, November 3, at 10:00 p.m.)

**WEEK 8**

Interval Estimates and Sample Sizes, Chapter 8
Take quiz 8 (Final deadline for taking quizzes is Monday, November 3, at 10:00 p.m.)

**Fall Break October 14**

**WEEKS 9 AND 10**

Hypothesis Testing about Mean of One Population, Chapter 9
Take quiz 9 (Final deadline for taking quiz is Monday, November 3, at 10:00 p.m.)

**EXAM II**

In-class Students: Tuesday, November 4, 2014
Distance-learning Students: Any time between Tuesday, Nov. 4 and Wednesday, November 5, 2014 (10:00 AM to 10:00 PM).

**WEEKS 11, 12 AND 13**

Hypothesis Testing Comparing Means of Two Populations, Chapter 10.
Covariance and Correlation: Measures of Linear Mutual Association.
Take quiz 10 (Final deadline for taking quizzes is Monday, December 15, at 10:00 p.m.)

**WEEKS 14 AND 15**

Simple Regression Analysis: Chapter 14 and computer printout of simple regression analysis.
Multiple Regression Analysis: Chapter 15 and computer printout of multiple regression analysis.
analysis.

FINAL EXAM

In-class Students (Noon section): Tuesday, December 16, 1-3:00 PM  
In-class Students (1:30 section): Thurs., December 18, 1:00-3:00 PM  
Distance-Learning Students: Any time between Wednesday, December 16 & Thursday, December 18, (10:00 AM to 10:00 PM).

Examination and Grading Policy

Distance learning students will take their tests and quizzes online.  
In-class students will take their quizzes online but their tests in-class.

<table>
<thead>
<tr>
<th>Exam</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Exam 1</td>
<td>25%</td>
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<tr>
<td>Exam 2</td>
<td>30%</td>
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<tr>
<td>Final Exam</td>
<td>35%</td>
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<tr>
<td>Excel Data Analysis Exercises</td>
<td>5%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>5%</td>
</tr>
</tbody>
</table>

The following guidelines will be used to determine letter grades**:

- A = 90% - 100%  
- B = 80% - 89%  
- C = 70% - 79%  
- D = 60% - 69%  
- F = Less than 60%

** If a student wishes to be graded using + , - grading system, he/she is welcome to request such grading system in advance (by the end of last week of classes).

Note: Calculating Your Course Grade

Your course grade is the weighted average of all your grades in the course. The “weights” are shown above. The following shows how you can calculate your course grade if GRD1, GRD2, FNL are your grades on Exam1, Exam2, and Final, in percent; and if EXL and HWK are your grades, in percentage, for the Excel assignment and your quizzes.

Course grade = .25* GRD1 + .30* GRD2 + .35* FNL +.05* EXL +.05*QZ

For example, if your grades were as follows: Exam1= 72%, Exam2= 80%, Final = 88%; Excel assignment= 100%, and Quizzes= 95%, then your course grade will be:

Course grade = .25*72 + .30*80 + .35*88 + .05*100 +.05*95 +.05*90
Course grade = 18 + 24 + 30.8 +5 + 4.5= 82.3 and your letter grade in the course is B.

Attendance, Virtual Attendance, Extra Credit Work and Other Course Policies

No “official” attendance will be taken. However, students who attend classes will earn better grades. If you miss a class it is your responsibility to learn the content. You should be aware that at times, I will discuss information not contained in the book and I will
you over those materials as well. Extra credit opportunities (as a positive incentive) well as Excel Data Analysis Exercises are offered & discussed in-class. Naturally, on those students in attendance will have the opportunity to earn these points.

For distance learning students virtual attendance is required. This means you need to check the course web site at least once a week (check the announcements, check the mails, check the discussion board, watch the course lectures), and in general be "in the know" and up-to-date with all the information discussed in class lectures. Naturally, if you don't watch course lectures, and you do not frequently check the announcements & e-mails, will not be able to earn the extra credit points.

Additional Information

1. In-class students are allowed to bring a one-page “formula-sheet” to each test. The purpose of this formula sheet is to help alleviate the need for memorizing long computational forms of the formulas. Therefore, the intent is not for the students to use it as a summary study sheet, where the students have written a summary of all the information discussed in class lectures. The sheet must contain formulas ONLY.

2. You can take each quiz up to 2 times and your highest grade will be used as your grade.

3. Excel Data Analysis Exercises – Distance learning students are given deadlines and submit their work online. Face-to-face students will complete their Excel assignments in class.

4. If you are ill and cannot attend an exam, you must notify me before the exam. Those who miss an exam without notification will receive an "F" for the exam.

5. DISABILITIES STATEMENT: If you have a disability and need assistance, special arrangements can be made to accommodate most needs. Contact the Director of Services for Students with Disabilities (Walb, room 113, telephone number 481-6658) as soon as possible to work out the details. Once the Director has provided you with a letter attest to your needs for modification, bring the letter to me. For more information, please visit the web site for SSD at http://www.ipfw.edu/ssd/.

6. Center for Academic Support and Advancement, www.ipfw.edu/casa
   The place to go for concentrated study time!

   The SPOT Learning Center: Make your study time not only more effective, but also efficient by signing up for free tutoring available in the SPOT in Kettler G21 (next door to the Writing Center). You are entitled to 2 free hours per week of one-to-one, course-specific help in understanding concepts, practicing the application or explanation of material being learned, and developing effective test-taking strategies. Make all appointments online through TutorTrac at www.ipfw.edu/casa. If you don’t see a tutor available for your class, contact us in Kettler G21!

   Drop-in tutoring is also available for math (schedule on Web site) and a few other subjects. If you need help with study skills in general, drop by the SPOT to view our self-paced tutorials or make a one-to-one appointment. Information about STEPS (Student Technology Education ProgramS) classes can be found on the CASA Web site, too. Check with your instructor about whether Supplemental Instruction (group study) is available for this class. Questions? Call 481-5419.

7. Computer Technology:
IMPORTANT: This course is taught via a combination of textbook and streaming recorded Internet lectures. Your computer must be able to capably play both audio and video. You will need DSL, Cable or a FIOS Internet connection - use dial-up at your own risk!