Statistics I - ECON 2140 - PW1 // CRN: 10126; Summer, 2019

Instructor: John Migliaccio, Ph.D.
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with ECON 2140 – Summer 2019-ONLINE and your LAST NAME in the subject line

Contact phone/text: 914-912-5394
Office Hours: M-F - By appointment online/Skype/phone

A. Course Information

Course Dates: Tuesday, May 28 – Monday, Aug. 6, 2019 (10 class weeks)
Final Exam: Aug. 6 - Due Aug. 9

Other important dates of note: Students should access University Academic Calendar for:
Add/drop deadline; Last day for Pass/Fail grading; Last day for withdrawal without incurring WF; Last day for requesting grade of INC, and other scheduled deadlines. Late requests on any of these cannot be accommodated.

B. Course Description

The course will assist the student in becoming a more sophisticated consumer as well as a producer of statistical and research information. It will provide a foundation for understanding basic concepts of statistics, statistical reasoning, statistical calculation and their application to everyday issues, business and economics related information and research, and effective decision making.

C. Course Objectives

Management Statistics emphasizes the application of statistical inferences in business and economics with special emphasis on descriptive statistics, probability theory, sampling distributions, and basic one-sample and two-sample inferential statistics.

Core Learning Objectives:
- Statistical thinking
- Displaying data
- Descriptive statistics
- Measures of central tendency and variability
- Elementary probability
- Sampling and Sampling Distributions
- Basic Hypothesis testing and inferential statistics

D. Required: Text and Pearson MyStatLab

1.) Students are required to have the text and full MyStatLab registration for the first class date. You cannot complete the course requirements without access to MyStatLab for the full summer semester.

A full registration to MyStatLab (including PhSTAT, an Excel program add-in) is required to complete all class assignments. In Blackboard, materials will be linked to Pearson’s MyStatLab website, including all the homework assignments, quizzes, exams, lecture notes and review materials, videos, applets, etc. Some students opt for a temporary (2-week) access to MyStatLab but that option
will not be enough to complete the course requirements.

Many students purchase access to MyStatLab with the eBook using the Pearson website (instruction included below in Appendix A). You will have an option to purchase an upgrade to a physical copy on the Pearson site. Text, etc. is also available from the Fordham Bookstore.


2.) Textbook – comes in three versions all with the SAME content:
eBook (least expensive) includes MyStatLab (ISBN: 9780321921468)
A physical, loose leaf version includes MyStatLab (ISBN: 9780133852288)
Hardcover text (most expensive) includes MyStatLab (ISBN: 9780133865004)
*NOTE: The used textbook may seem cheaper but would not include MyStatLab access.
Used version of the textbook will require MyStatLab + MyStatLab purchase

3.) Additional Required Materials
   1. Microsoft Excel is also required. As a Fordham student, you can use an online version of Excel for free via the My.Fordham portal
      a. Go to https://my.fordham.edu
      b. Log in using your Fordham AccessID username and password.
      c. Click the Student tab.
      d. Scroll down or search for “Microsoft Office 365” and click “Click Here to Login”.
      e. Click the “Install Office 2016” button
4. **PhSTAT 4** – an Excel add-in with an additional fee (approximately US $10.00) not included with any type of textbook purchase. PHStat 4 Excel add-in – fee required; (downloadable at www.pearsonhighered.com/phstat)

5. **UPON READING AND REVIEWING ALL INFORMATION IN THE SYLLABUS, YOU MUST CONTACT THE INSTRUCTOR VIA EMAIL TO BOTH jnmigliaccio1@gmail.com; cc: jmigliaccio@fordham.edu USING SUBJECT LINE HEADING SPECIFIED ABOVE AND SECT. I BELOW, ACKNOWLEDGING THAT YOU HAVE READ AND UNDERSTAND THE SYLLABUS, CLASS DATES, AND COURSE REQUIREMENTS. IF YOU HAVE ANY QUESTIONS ABOUT THE SYLLABUS, REQUIREMENTS, ETC. CONTACT ME VIA A SEPARATE EMAIL.**

A student will not be granted access to the course materials until this email has been received.

**E. Supplemental/Optional Materials Available**

- Study Guide that accompanies the required textbook
- Additional materials will be provided online.
- Other useful resources:
- Although this is not an Excel class, this program and add-ins such as PHStat are used frequently throughout the text including detailed instructions for completing assignments using Excel. In addition to textbook instructions and examples, Excel supplemental aids are recommended (i.e., Excel for Dummies and similar instructional books, etc. Check internet resources for current titles and descriptions). Additional instructional material is available on the PHStat site.
- Numerous useful websites are indicated below, and additional sources will be noted during the semester.
  - https://www.khanacademy.org/math/probability
  - http://www.gapminder.org/
  - http://stattrek.com/
  - http://mathforum.org/library/topics/statistics/
  - http://www.pewresearch.org/fact-tank/
  - Schaum Outline Series - *Statistics*
  - Levine, Stephan & Szabat: *Statistics for Managers Using Microsoft Excel®, 7/e* (Pearson Publ.)
Fordham School of Professional and Continuing Studies
Course Syllabus: ECON 2140 – PW1, Statistics I; Online-Summer, 2019


- Additional resources as recommended by instructor and students on the course discussion board during the semester.

F. Course Requirements

1. Attendance: Experience has repeatedly demonstrated that students who participate and are engaged regularly and punctually, do the homework in a timely fashion, fulfill their web component and contribute to the virtual classroom learning experience through the discussion board tend to get a higher grade than those who do not. Students are responsible for all that takes place during the course and are encouraged to visit the class textbook site and course Blackboard site regularly (i.e., daily is recommended but at least four times weekly) for informal assignments, discussion, and announcements. College policy states that students must notify faculty within the first three weeks of the semester if they anticipate missing any classes/assignments due to religious observance.

2. Exams: There will be two interim mid-term exams during the semester after completion of major topic areas, and one final exam on chapters not already tested. A missed exam results in a grade of “0” for that exam. Therefore, you must take all exams to receive a satisfactory grade in the course. The dates for the interim exams are stated in the syllabus. All interim exams are posted for one week for completion and due by 5:00 PM (US) EST on the date specified. Final exam is posted for three days. Additional details will be provided prior to each exam. All exams will be posted on the Blackboard course MyStatLab site and completed there. Ungraded – repeat NOT GRADED- chapter REVIEW QUIZZES and PRE-TESTS will be posted at the beginning of the semester as practice opportunities for the chapter content and exams.

3. Homework: A.) Students should initiate homework for week 1 by reviewing all the Orientation material posted on MyStatLab, starting with Chapter 0, an introduction to using and answering questions on MyStatLab and as many items as you’d lie to practice on from Getting Ready for Statistics Review. Other homework will be assigned by chapter each class start day (Tuesday) during the semester. **PLEASE NOTE: The timely completion of this by the assigned deadline will earn grade credit, not whether you got a homework question correct.** In order to receive credit for homework, it can be submitted at any time after assigned, but it MUST be submitted by the due date, typically one week from posting. You may make as many attempts to complete the minimum requirement for homework assignments as desired. Assigned homework is due by 5 PM (US) EST on the specified date unless otherwise noted. Students are responsible for contacting the instructor prior to the deadline if it cannot be completed or to request additional time to complete the assignment.

B.) **Posted homework assignments on which you receive less than 60% and spend less than a minimum 30 minutes on the assignment by the due date will be graded as “Incomplete/Past**
due.” LATE SUBMISSIONS submitted after the due date will incur a late penalty of 10% credit deduction for each day past the due date and will affect the minimum grade requirement. Additional time to complete minimum requirements can be requested by email to the instructor, but late penalties will accrue as appropriate. It is the student’s responsibility to be aware of any due dates and registering for the MyStatLab account in a prompt fashion.

C.) Incomplete or unsubmitted work by semester end will receive no credit. Unexcused missing assignments three times or more during the semester will be grounds for failing the course. Written Email assignments, if any, must be printable on standard 8 1/2x11 paper with one-inch margins. Unreadable or unintelligible assignments will be assigned as incomplete and graded accordingly.

D.) Collaboration among students in the course is highly encouraged for homework, exam, and assignment review and cross-checking responses.

4. Class Participation: this category consists of early, regular and consistent engagement in productive online class discussions on Blackboard, i.e., posting content, articles, internet sites and resources, interaction on topics, discussion of challenges and solutions, questions, assisting others in the class, sharing insights and applications to your major area of interest, current events with statistical relevance, etc. Class participation will be assessed as part of your final grade based on the number and quality of your postings and the class distribution for these. Participation can play a significant part in the course final grade especially for a student whose average is near a letter grade borderline. The more substantive engagement in the discussion board, the more grade points you will earn. The assessment of class participation will be at the sole discretion of the instructor. Students are encouraged to collaborate and share information and insights on class assignments via the Discussion Board.

G. Grading

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<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Exam 1</td>
<td>20%</td>
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<tr>
<td>Exam 2</td>
<td>20%</td>
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<tr>
<td>Final Exam</td>
<td>20%</td>
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<tr>
<td>Homework</td>
<td>20%</td>
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<tr>
<td>Participation/engagement</td>
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Final grade for the course will be calculated based on student performance in the course and University score guidelines for letter grades.

H. Policy on Academic Integrity:

Anyone caught cheating on any exam or assignment will be assigned an automatic F in the course and the student will be referred to the Summer Session Dean for appropriate disciplinary action. Students are expected to read and understand the University’s Academic Integrity Policy. (https://www.fordham.edu/info/25380/undergraduate_academic_integrity_policy) Members of the Fordham University community are expected to be honest and forthright in their academic endeavors.
Students who are suspected of violating this policy will be referred for disciplinary action.

I. Electronic Forms of Communication
I will use your university email address (@fordham.edu) to communicate with you about essential course related matters and other email contact addresses indicated by the student. Students should direct all emails to jnmigliaccio1@gmail.com with ECON 2140 – Summer 2018-ONLINE and your LAST NAME in the subject line, or your emails may land in the spam folder. If your email is URGENT, please include this notice in the beginning of the Subject line. Replies to emails will generally be sent within 24 hours Mon.- Friday, unless marked as URGENT.

J. Schedule of Topics Information will be provided on class days noted below regarding reading, homework, etc. you should do prior to the following class. Note: This list of topics is subject to change depending on the needs of the class.

<table>
<thead>
<tr>
<th>Week</th>
<th>Subject</th>
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| 1: May 28 | Chapter 1: Introduction and the Role of Statistics  
|         | Chapter 2: Displaying Descriptive Statistics  
|         | - Orientation to Pearson Text and MyStatLab  
|         | **HW: Due 6/5**                                                         |
| 2: June 4 | Chapter 3  
|         | Calculating Descriptive Statistics  
|         | **HW: Due 6/12**                                                       |
| 3: June 11 | Chapter 4  
|         | Probability Theory  
|         | **HW: Due 6/19**                                                       |
| 4: June 18 | Chapter 5  
|         | Discrete Probability Distributions  
|         | **HW: Due 6/28**                                                       |
|         | Midterm #1: Ch. 1-4 posted; Due: 6/26                                    |
| 5: June 25 | Chapter 6  
|         | Continuous Probability Distributions  
|         | **HW: Due 7/3**                                                        |
| 6: July 2 | Chapter 7  
|         | Sampling Distributions  
|         | **HW: Due 7/10**                                                       |
| 7: July 9 | Chapter 8  
|         | Interval Estimation  
|         | **HW: Due 7/19**                                                       |
|         | Midterm #2: Ch. 5-7 posted; Due: 7/17                                    |
| 8: July 16 | Chapter 9  
|         | Hypothesis Testing: One Population  
|         | **HW: Due 7/24**                                                       |
| 9: July 23 | Chapter 10: Part 1  
|         | Hypothesis Testing: Two populations  
|         | **HW: Due 7/31**                                                       |
| 10: July 30 | Chapter 10: Part 2  
|         | Hypothesis Testing: Two populations  
|         | **HW: Due 8/6**                                                        |
| 11: Aug. 6 | Final Exam: Ch. 8-10: Due TBA                                           |
K. **Virtual Classroom Etiquette**
The use of vulgarities, derogatory comments, abusive language and other forms of rudeness are prohibited. Penalties for repeated violation of the rules of the course potentially include a failing grade, and loss of grade points and/or suspension from the course.

L. **Disclaimer**
If any stipulation in this syllabus contradicts the official policies of the college or school, the college and the school’s policies will prevail.

**Appendix A**

**ECON2140PW1 Statistics I Online**

1. Log into my.fordham.edu with your Fordham AccessID. You may be asked to authenticate with the Multifactor Authentication (MFA). Please see the additional instructions included [here](#).
2. Click on the Blackboard icon (BB) at the top of the My.Fordham portal. Click on your course: ECON2140PWxxxxx.
3. Go to the **MyStatLab** tab in the Navigation Menu on the left side of the course.
4. Click on the MyStatLab Course Home Link (see below)

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**Pearson's MyLab & Mastering**

*MyStatLab is a series of online courses that accompany Pearson's textbooks in mathematics and statistics. MyStatLab engages students in active learning—it's modular, self-paced, accessible anywhere and adaptable to each student's learning style—and instructors can easily customize MyStatLab to meet their students' needs.*

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**Pearson** MyStatLab All Assignments

Access all of your MyStatLab assignments and ensure your grades are properly recorded.

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**Pearson** MyStatLab Course Home

Access your MyStatLab course for additional content and assignments.

5. Please read and accept to the Pearson License Agreements
6. Click CREATE. If you have registered with Pearson’s website before with your Fordham email, then type that account into the **Sign In with Your Pearson Account**.

7. Create a Pearson Username and Password. The screenshot below is an EXAMPLE.
8. Click Use Access Code or Buy the code online
Register

real estate@fordham.edu, you've successfully created a Pearson account!
To continue, select an option below.

Select an Option

Use an Access Code
A prepaid access code might come with your textbook or in a separate kit.

Access Code

Use a Credit Card or PayPal
Student access for MyStatLab with eText for Donnelly, Business Statistics 2e

$104.95 USD

Waiting for financial aid? Get temporary access without payment for 14 days. Use an access code, credit card, or Paypal before May 15, 2017 to stay in your course.