

Fordham School of Professional and Continuing Studies
Course Syllabus: ECON 2140 – PW1, Statistics I; Online-Summer, 2019

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

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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.

Course Text: Donnelly, Robert A. Business Statistics, 2nd edition, Pearson Publ.

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)

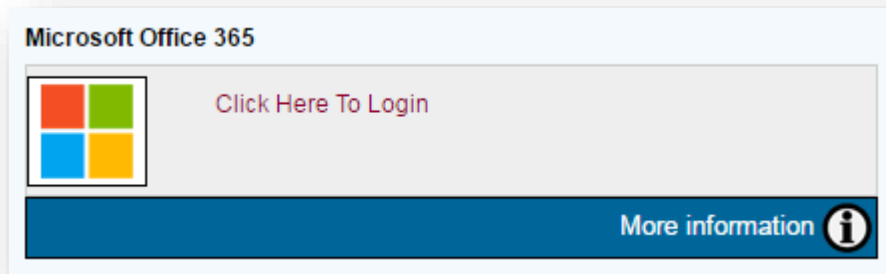
*NOTE: The used textbook may seem cheaper but would not include MyStatLab access.

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



f. Follow instructions to install Microsoft Office 2016.

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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:
 - Huff, Darrell: How to Lie with Statistics. NY: W.W. Norton
 - Tufte, Edward: The Visual Display of Quantitative Information; Envisioning Information Visual Explanations: Images and Quantities, Evidence and Narrative see Graphics Press (www.edwardtufte.com)
 - Isaac, S. and Michael, W.: Handbook in Research and Evaluation. San Diego: EdITS Publ.
- 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/>
 - NY Times Upshot section, <https://www.nytimes.com/section/upshot>
 - Schaum Outline Series - Statistics
 - Levine, Stephan & Szabat: Statistics for Managers Using Microsoft Excel[®], 7/e (Pearson Publ.)

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- Reichard, Richard: The Numbers Game: Uses and Abuses of Managerial Statistics, McGraw- Hill, 1972*. (*Dated, but surprisingly germane, comprehensive and “the first book addressed to (a managerial) audience”.)
- 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 like 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

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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

Exam 1	20%
Exam 2	20%
Final Exam	20%
Homework	20%
Participation/engagement	20%

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.

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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 jnmiigliaccio1@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.

Week	Subject
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

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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 authentic with the Multifactor Authentication (MFA). Please see the additional instructions included (where)
2. Click on the Blackboard icon (BB) at the top of the My.Fordham portal. Click on your course: ECON2140PWxxxxxx.
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)

Pearson's MyLab & Mastering

MyStatLab is a series of online courses that accompany Pearson's textbooks in mathematics and 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 their students' needs.



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



Access your MyStatLab course for additional content and assignments.

5. Please read and accept to the Pearson License Agreements

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Pearson Privacy Statement

Pearson Privacy Statement

Pearson Education ("Pearson") recognizes the importance of protecting the privacy of Personally Identifiable Information about you as a user of our online learning applications, websites and educational evaluation tools ("applications"). Follows is an overview of Pearson's Privacy Policy which is wholly contained within the [Pearson End-User License and Privacy Agreement](#) to which end users consent when registering for a Pearson application.

Information considered by Pearson to be Personally Identifiable Information ("PII") is: your full name, address,

Pearson End-User License Agreement and Privacy Policy

End-User License Agreement and Privacy Policy

Last Revision Posted: 15 June 2012

These terms constitute an agreement between You and Pearson Education, Inc, and its direct and indirect affiliates ("Pearson"). By accessing or using the website and/or service with which these terms are associated, You acknowledge that You have read and accepted the terms of this Agreement. If You do not agree to abide by the terms and conditions of this Agreement, please do not register for or otherwise access or use this Website.

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**.

Sign In with Your Pearson Account

Your account gives you access to your Pearson online courses and products.

Username

Password

[Forgot your username or password?](#)

Create a Pearson Account

If you don't already have an account, create one.

[Not sure if you have an account?](#)

7. Create a Pearson Username and Password. The screenshot below is an EXAMPLE.

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Create an Account

Your account gives you access to Pearson products. [Sign in](#) if you already have an account.

Email Address	<input type="text" value="[Your Fordham Email]"/>	✗	The format of the email address is invalid.
Username	<input type="text" value="[will auto fill in]"/>	✗	Do not use spaces or special characters other than _ @ . -
Password	<input type="password" value="••••••"/>	✗	Password guidelines: ✗ Use at least 8 characters. ✓ Use at least one letter. ✓ Use at least one number. ✓ Use at least one capital letter. ✓ Do not use your name or username. ✓ Do not use spaces or special characters other than _ @ . -
Re-enter Password	<input type="password" value="••••••"/>	✗	
First Name	<input type="text" value="FirstName"/>	✓	
Last Name	<input type="text" value="LastName"/>	✓	
Security Question	<input type="text" value="What town was I born in?"/>	▼	
Security Answer	<input type="text" value="Wichita"/>	✓	
<p>Pearson Education End User License Agreement and Privacy Policy</p> <p>These terms constitute an agreement between You and Pearson Education, Inc, and its direct and indirect affiliates ("Pearson"). Access or use of the website and/or service for which You seek registration constitutes acceptance of this Agreement. If You do not agree to abide by the terms and conditions of this Agreement, please do not register for or otherwise access or use this Website.</p> <p> Pearson may change any of the terms in this</p> <p><input checked="" type="checkbox"/> I accept the license agreement</p> <p><input checked="" type="checkbox"/> I want to help improve Pearson products and learn about new offers</p> <p><input type="button" value="Create Account"/></p>			

8. Click Use Access Code or Buy the code online

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Register

i realestate@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.