Economics 321 - Introduction to Statistics (Online course)  
Summer I 2016  

Instructor: David Ching  
Office: Saunders Rm#507  
Office hours: Appointments for M-F: Noon-1 p.m. available (schedule in advance)  

To Students: Do not neglect reading all posted and sent info (like syllabus) carefully. This is an online class, therefore placing greater importance on all info provided in these methods. Failure to do so will affect Participation score of grade.

Course Description  
This three credit hour online course is designed for the students who have little or no background in statistics. Statistics is an incredibly useful tool that we see almost everywhere in everyday life and our studies. The basic statistical ideas, techniques, and methods to be covered range from, but are not limited to: probabilities, frequency distributions, binomial distribution, the normal distribution, confidence intervals, hypothesis testing, and correlation & regression analysis. Students will be completing online homework sets and taking a final exam, but will also be graded on “participation” (basic “participation” interactions will be utilized for the benefit of student learning). Students are expected to be reasonably “tech-savvy” and equipped to be able to conform to the needs of this online class.

Student Learning Objectives:  
• Develop a basic understanding of fundamental statistics concepts  
• Utilize formulas and tables to calculate both descriptive and inferential statistics  
• Form a foundation of basic understanding of statistics to continue in advanced coursework or utilize in both professional and personal endeavors.

Other Requirements: this class being an online class creates special challenges to the learning process as well as assurance of academic integrity.

• Regarding academic honesty issues - options are available based on student preference for final examination. Final exam testing may be done online if student provides photo confirmation of identity (i.e. cellphone picture) and submitted as per instructed by exam. **Another final examination method option if student prefers, would be to go to approved testing sites (UHM and others) to take under verifiable conditions. Other options are open for discussion, when appropriate. ** Read quiz and exam process details provided below.

• Minimum purchase of resources required: MyMathLab access code, including the E-text to accompany (see enrollment instructions later in syllabus). Hard copy text not required, BUT if desired by student, they can purchase the UH Manoa bookstore package for Econ321, either for my section, or Prof. Baybars Karacaovali’s section (identical resources as mine) isbn: 9780321869463, IF hardcopy text desired beyond the e-text.
  
  o MyMathLab Course ID#: (TBD soon) (use this to enroll in Pearson’s MyMathLab site).
  o Pearson publishers have done a good job in putting together a system (MyMathLab) that integrates the textbook with technology-based learning tools.
MyMathLab enrollment is required. I will be administering graded homework sets and practice quizzes through MyMathLab. There is also a very rich package of learning tools included with the package so the student should have ample support in learning.

- Students are expected to be able to manage the online hardware and software requirements for accessing homework, textbook, and other online discussions. Generally a computer purchased within the last couple of years should be sufficient tech-wise for the class, along with a decent Internet connection, and a smart phone (or other digital capture media) with picture taking/posting abilities.

- Students are required and responsible for independently seeking provided info, posted on Laulima, sent via email, and/or discussed on the class Facebook page (FB is optional but suggested participation area). Failure to do so, as indicated by emailing/posting questions already covered in the areas mentioned above will likely result in negative participation points applied to grade, EXCEPT when clarification of info is needed.

A FACEBOOK page has been set up for this term's class. Please send a friend request to 'Econ Deching' if you choose to take part of announcements and responses to questions posted on that location. That is a method of interaction that can begin immediately. If a student anticipates having a problem with fulfilling any of the mentioned technology requirements, they should discuss with me immediately. The FACEBOOK page for the course is to be used for class topics only, this is not for personal or social interaction. Students may adjust their privacy settings so I (or others) may not access any photos, comments, posts, etc that you want to keep private. OR another option is to create a FB page that is only for this class. See below for alternative via Laulima. FB is not required to use!

Laulima online system may also be used simultaneously in this course with FACEBOOK if any students would prefer to use Laulima option over FB (the drawback to Laulima method is that online comment/question alerts are only with FB, so Laulima response time can be significantly delayed comparatively, and most past term students mentioned it’s more convenient on FB since they use that more than Laulima… I’m fairly indifferent so such issues are open for ‘discussion.’) Let me know your preference if you have one.

**Grading Scale**

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework</td>
<td>50%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>35%</td>
</tr>
<tr>
<td>Participation</td>
<td>15%</td>
</tr>
</tbody>
</table>

(includes completion of assigned quizzes with deadlines and timely responses to my inquiries put forth to students on occasions.)

Students are expected to: Read either Laulima or Facebook sites regularly (more than 1x a week), and are responsible for reading email on a timely basis (more than 2x a week). You are also responsible to respond in a timely fashion to info requests by me, as well as added deadlines throughout the term.
Students will follow the following academic honesty action protocol for both quizzes and the final exam (if you are not amenable to the requirements stated here for whatever reason then this is likely not the class for you).

- On quiz/exam day – email an i.d. verification (or via private message on Facebook), that shows both your face and your picture ID (school I.D. fine) in the same shot. (This is to request the password to take the exam.)
- You will receive the password allowing you to open and take exam to begin within 15 minutes of receiving password (online timestamped automatically).
- Answer online questions, and show work on a separate worksheet for partial credit award in case, within the time allotment.
- After completion of quiz, show a follow up self i.d. picture, but holding and showing one of the “show your work” pages, as the final step of the process, then send the photos of the “show your work” sheets for possible partial credit award within 15 minutes of completion/submission of MyMathLab portion.

If you cannot, or do not want to adhere to the above I.D. verification process then you SHOULD NOT take this course. Please consider alternative sections/instructors/semesters of the course. Mahalo.

**Chapter Coverage:**
1. Data Collection
2. Descriptive Statistics
3. Numerically Summarizing Data
4. Describing the Relationship Between Two Variables
5. Probability
6. Discrete Probability Distributions
7. The Normal Probability Distribution
8. Sampling Distributions
9. Estimating the Value of a Parameter
10. Hypothesis Tests regarding a Parameter
11. Inferences on Two Samples
12. Additional Inferential Procedures

Chapter topics NOT covered in HW sets will not be covered in exam situations.

**Warning:** Students report problems using Safari browser, and usually resolve issues using IE, Firefox, or Chrome browser for Pearson’s MyMathLab site.

- **Temporary FREE access is available**
  Go to their website MyMath Lab and look for this option. There is no excuse (financial aid delay or etc) for not enrolling in the class online system. Please keep screenshots or picture evidence of any problems you encounter if you hope to be granted any sort of “grace” in these instances. Once the temp access expires, all records and scores will be irretrievable and wiped clean by the
system (make sure you pay to make it permanent before this) This is a good option for students who are still deciding whether to stay in this class or not. (If you encounter any problems with the online system, contact their 24 hr customer service provided on their website. Note: I am an end-user like yourself, so I will not be equipped to deal with tech issues)

MyMathLab (coursecompass): To enroll in a typical course, a student needs to have a:

- **Student access code, a valid credit card, or a PayPal account**– Students get an access code with a new book purchase or by buying the code separately in a student access kit/card at the campus bookstore. Students can also buy access to a course online with a credit card or PayPal account while they are enrolling. The student access code is nontransferable and can be used only once.

If a student is waiting for financial aid, they can access your course without payment. This option grants a student temporary access to your course for 14 days.

- **Course ID** – TBD

A student who already has a Pearson account performs the steps in Registering and Enrolling in a New Subject below to enroll in a new course.

Register and Enroll in a New Subject

1. Go to the MyLab and Mastering website and click Student in the Register area.

2. Enter the course ID (TBD) for your new course, and click Continue.

3. Follow the instructions to either:

   Use a student access code, purchase access online

To use a student access code:

1. Go to the MyLab and Mastering website and click Student in the Register area.

2. Enter the course ID: TBD, click Continue.

3. After verifying your course information, enter your username and password, and click Sign In.

4. If you don’t have a Pearson account, click “Create an account.”

5. Complete the Create an Account page. Helpful hints display to guide you.
6. Read and accept the license agreement.

7. Optionally, you can select the check box to help us make our products better and learn about new offers.

8. Click Create Account.

9. Click Access Code and enter your six-word access code in the boxes.

10. Click Finish to complete your registration.

11. Click Go to Your Course to access your online course.

To purchase course access online:

1. Go to the MyLab and Mastering website and click Student in the Register area.

2. Enter the Course ID (TBD) and click Continue.

3. After verifying your course information, enter your username and password, and click Sign In.

4. If you don’t have a Pearson account, click Create an account.

5. Complete the Create an Account page. Helpful hints display to guide you.

6. Read and accept the license agreement.

7. Optionally, you can select the check box to help us make our products better and learn about new offers.

8. Click Create Account.

9. Select the button for the access level you want.

10. Select whether you want to pay with a credit card or use PayPal and enter payment information.

11. Click Review to review your order details. If you need to change anything, click the Change link.

12. Click Make Payment to submit your order.

To request temporary access
If a student is waiting for financial aid, 14 days of temporary course access without payment may be available. Instructions for enrolling:

1. Go to the MyLab and Mastering website and click Student in the Register area.

2. Enter the Course ID (TBD) and click Continue.

3. After verifying your course information, enter your username and password, and click Sign In.

4. If you don’t have a Pearson account, click Create an account.

5. Complete the Create an Account page. Helpful hints appear to guide you.

6. Read and accept the license agreement.

7. Optionally, you can select the check box to help us make our products better and learn about new offers.

8. Click Create Account.

9. To get temporary access to your course, click the link at the bottom of the page.

10. When a confirmation message appears, click Yes to complete your registration.

11. You will receive a confirmation email with payment instructions. Click Go to Your Course to access your course.

For more help with registration, go to the Get Started for Students area of the MyLab and Mastering website. For instructions on registration, watch the Register for your course videos.