**Eastern Connecticut State University– Department of Economics**

**ECO 215 (section 01)**

**Statistics Business/Economics**

Instructor: Haiyang Kong Fall 2019

Lectures: TR 12:30- 1:45pm Room: Webb 307

Ofﬁce: Webb 423 Ofﬁce Hours: By appointment

Email: kongha@easternct.edu

**All emails from me will be sent through blackboard. This includes all announcements, corrections, notes for class and any other pertinent information relating to this course. By default, this will send the email to your ECSU email address. If you do not check this regularly, have it forwarded to the email address that you use or change your email address on blackboard. “Not getting” an email because you don’t check your ECSU account is not a valid excuse for missing assignments.**

**Syllabus**

The syllabus will be followed closely, but it is subject to changes. You are responsible for obtaining paper copies of all course materials that are posted on blackboard. In other words, I will not bring in printed handouts unless they are not posted on the web.

**Important documents**

1. Letters indicating participation in University -approved activities

2. Letters requesting academic accommodations

**Recommended Textbook**

*Statistics for Managers – Using Microsoft Excel, 8th edition, by David Levine, David Stephan & Kathryn Szabat, Pearson Publishers. ISBN# 978-0-13-417305-4.*

 **Course Objectives**

ECO 215 is an introductory undergraduate course with an emphasis on application to business and economics. It offers a foundation in: statistical description of sample data including frequency distributions, measures of central tendency, and measures of dispersion; Theoretical distributions, statistical estimation, and hypothesis testing; and introduction to simple linear regression and correlation. At a general level, the goal of ECO 215 is for you to develop a maturity in solving quantitative problems, being able to understand the power of statistical techniques.

 Note that this course is part of the Tier II Liberal Arts Core (LAC) Applied Information Technology Outcomes which are to:

• Employ speciﬁc information technology to manage existing information, solve problems, and communicate or create new ideas (individual project, exam, and assignments);

• Explain digital representation of information (individual project, exam, and assignment); and

• Explain the technical and ethical limits of information technology (individual projects and presentation)

**Technology Needed**

1. Each student should have a calculator, especially for exams. The alternative is to do these calculations by hand which would take a great deal longer.

2. Access to computer.

**Grievance Procedure**

When I return exams and assignments, make sure I did not make a mistake in grading it or incorrectly totaling the points. If this does happen, bring it to my attention as soon as possible and I will correct the mistakes.

**Academic Integrity**

Cheating is in no way tolerated. The full penalty will be determined in consultation with the Chairman of the Department of Economics. The minimum penalty is an “F” for the course.

**Grading**

Final grades will be assigned based on the following scale:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 92-100: A | 87-89: B+ | 77-79: C+ | 67-69: D+ | Under 60: F |
| 90-91: A- | 83-86: B | 73-76: C | 63-66: D |  |
|  | 80-82: B- | 70-72: C- | 60-62: D- |  |

\*\*\*\*However, I reserve the right to curve the grades if I see ﬁt \*\*\*

Your ﬁnal grade for this course will be based on your performance on homework/class exercises/attendance, quizzes, a project, and two exams. Here is what each component is worth:

**Table 1: How much are components worth?**

|  |  |
| --- | --- |
| Homework  | 20%  |
| Quizzes  | 15%  |
| Midterm Exam on Thursday, October 17th (tentative)  | 20%  |
| Individual Project (Due: Tuesday, November 26th)  | 20%  |
| Final Exam on Tuesday, December 10th (11:00- 1:00pm)  | 25%  |

 **Homework**

• Approximately **12 Homeworks** will be assigned during the semester, the **lowest 2 scores will be dropped**.

• Students may consult amongst themselves or with the instructor, but each student must submit his/her own work. **Verbatim copying** of homework is absolutely **forbidden** and constitutes a violation of the Honor Code.

• Late homework will not be accepted without a university excused absence.

• E-mailed assignments are not accepted.

**Quizzes**

• Quizzes will be given **approximately 4 times** during the semester, and **only the best 3 will count**. Most of these will be announced, but I reserve the right to give them without notice. They are closed-book and closed-note.

• Except for medical emergencies with appropriate documents from doctor, no make-up quiz will be given. Missed quiz will receive a grade of zero.

**Exams**

Exams will be in class and will reﬂect material covered in class, on homework, assignments, and quizzes. Make-up exams will be allowed only in extreme circumstances and are subject to proper documentation (if you miss an exam without an excused absence you will receive a ZERO for the exam). Unless it is an emergency situation, you need to notify me ahead of time via email. It is the student’s responsibility to check conﬂicts of exam dates (or any class activity). If there is a conﬂict, you must notify the instructor in writing (email is ﬁne) by the end of the second week of classes. You are allowed to use **a non-programmable** calculator. Calculators on your cell phone are not allowed.

**Project**

• A project proposal will be due in mid-October after the midterm exam and students will be required to update me periodically of their research progress

• Your paper must be at least 3 pages long (without graphs and tables)

• Points are assigned following the rubric posted on Blackboard (coming soon)

• A hard copy of the paper is to be submitted by the speciﬁed date

**Attendance**

An attendance sheet will be passed around during each class meeting. Attendance is required but there is no formal grade for attendance. However, if you have attended **more than 90%** of all lectures, I will **bump** you up to the **next highest letter grade** if you are **on the border**.

**Cellphones**

Cellphones need to be turned off during class time and exams.

**Accommodations due to disability**

If you are a student with a disability and believe you will need accommodations for this class, it is your responsibility to contact the Ofﬁce of AccessAbility Services (OAS) at 465-5573. To avoid any delay in the receipt of accommodations, you should contact the Ofﬁce of AccessAbility as soon as possible. Please understand that I cannot provide accommodations based upon disability until I have received an accommodation letter from the Ofﬁce of AccessAbility Services. Your cooperation is appreciated.

**Academic Service Center**

Students are encouraged to use the support offered by the Academic Services Center (ASC) located on the ground ﬂoor (ﬁrst ﬂoor) of the J. Eugene Smith Library. They offer Advising Services and tutoring in math, writing, and other subjects. The ASC also offers assistance in study techniques, time management and understanding learning styles. For further information call 465-4310 or check the ASC website at <http://www.easternct.edu/asc/>

The tutors will assume that you have already:

• read the course materials (textbook, hand-outs, packets etc)

• made a sincere attempt at the assignments/questions

• attended class

**Fair use of course materials**

Classroom Recording by Students: Classroom recording may be an appropriate academic adjustment, auxiliary aid, and/or service for a student with documented permanent and temporary disabilities. Eastern’s Ofﬁce of AccessAbility Services (OAS) determines if classroom recording is appropriate for a student. When that determination is made the following statement is printed on the Letter of Accommodation from OAS that grants a student use of a recording device in the classroom:

“Student understands that faculty members have copyright interest in their class lectures and he/she agrees not to infringe on this right in any way. Student will use these recordings only for personal academic use during this course and will not upload, broadcast, transcribe, share or release all or any part of these recordings, in accordance with federal copyright laws. Student understands that the faculty member and students in the class have privacy rights and agrees he/she will not violate those rights by using the tape recordings for any reason other than that of his/her own personal study. Student agrees to destroy all recordings at the end of the current semester. Failure to comply with recording guidelines may result in disciplinary action.”

A student without documented disabilities may request permission to record classroom activity. The instructor will have the sole discretion to determine if recording will be allowed.

**Academic Misconduct**

Students should read and understand Eastern’s Academic Misconduct policy, which can be found in the Eastern Student Handbook at http://www.easternct.edu/academicmisconduct/. Student are expected to take personal responsibility for their intellectual work and to respect and acknowledge the ideas of others. Academic honesty means doing one’s own work and giving proper credit to others whose work and thought are drawn upon. It is the responsibility of each student to become familiar with what constitutes academic dishonesty and plagiarism, and to avoid all forms of cheating and plagiarism. Students may not engage in any form of academic misconduct, and are responsible for learning how to present the ideas of others in their own work, and avoid all other forms of academic misconduct. For current documentation practices, consult the instructor or a style manual (e.g. APA, MLA). All violations will be handled under the procedures established in the Academic Misconduct Policy.

**Table 2: Tentative Course Outline**

|  |  |
| --- | --- |
| Chapter 1. Deﬁning and Collecting Data  | Selected sections  |
| Chapter 3. Numerical Descriptive Measures  | ”  |
| Chapter 5. Discrete Probability Distributions  | ”  |
| Chapter 6. The Normal Distribution and Other Continuous Distributions  | ”  |
| Chapter 7. Sampling Distributions  | ”  |
| Chapter 8. Conﬁdence Interval Estimation  | ”  |
| Chapter 9. Fundamentals of Hypothesis Testing: One-Sample Tests  | ”  |
| Chapter 13. Simple Linear Regression  | ”  |
| Chapter 14. Introduction to Multiple Regression  | ”  |

**++++DISCLAIMER: Everything on this syllabus is tentative. I reserve the right to change anything on the syllabus. If any changes are made, there will be an in-class announcement as well as an announcement on Blackboard.++++**