Note: The syllabus is a living document. JNU and the instructor reserve the right to amend as needed.

Lecturer: Camilo Rubbini

Time: Monday through Friday (6/29/2015-7/31/2015)

Location: Management School

Office: Management School 518

Office Hours: By Appointment

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Course Description

- Apply mathematical and statistical instruments to the quantitative analysis of economic phenomena.
- Estimate relationships among economic variables using multiple regression analysis, and interpret the results of the analysis through the relevant economic theory.
- Set up economic hypothesis in terms of a lineal model, and test the hypothesis with empirical data though techniques of statistical inference.
- Understand the analytical fundamentals of multiple regression techniques, and its strengths and limitations - Use Excel as well as specialized software, and illustrate the application of different techniques through practical cases.
Required Texts

Course Hours
The course has 25 sessions in total. Each class session is 120 minutes in length. The course meets from Monday to Friday.

Grading Policy
Quizzes and Class Participation 20%
Midterm Exam 20%
Presentations 20%
Research Paper 20%
Final Exam 20%

Quizzes
Students should expect a quiz every class, usually at the beginning of the class (sometimes even two quizzes per day). The purpose of the quizzes is to provide an incentive for students to prepare themselves properly for each class, to learn the material, and be ready for class discussions.

Participation in class
The purpose of class participation is to motivate analytical, logical, and accurate participation from students.
Our class encourages, expects, and requires intense class participation from students. We will use the *Socratic Method*. This means that I will not teach in the traditional way, **students will read in advance** the material and will bring comments and questions to the class. Our purpose is to explore ideas by discussing intensely the content of the readings. I will ask questions in class to motivate discussions. Students can have a clearer perspective of our class dynamic by reading this article about the *Socratic Method* at the University of Chicago: [http://www.law.uchicago.edu/socrates/soc_article.html](http://www.law.uchicago.edu/socrates/soc_article.html)

The grading of class participation is divided as follows:

Midterm Exam
The mid-term exam tests familiarity with basic information and concepts encountered in lectures and readings. There will be identification of terms, and numeral and short essay questions.

Presentations
Divided up in groups students will present an application to a real case (and real data) one of the techniques discussed in class.

**Academic dishonesty will not be tolerated.**

Academic dishonesty includes, but is not limited to, cheating, plagiarism, falsifying identity or academic records, and being an accessory to acts of academic dishonesty. Ignorance about what counts as plagiarism is not an acceptable excuse. Each student is required to maintain the standards of integrity set by the Qingdao University Codes of Conduct.

Your final grade for the course will be assigned on the basis of your total weighted average as follows:

- **A** 92.51% or above
- **A-** 90% to 92.5%
- **B+** 87.51% to 89.9%
- **B** 82.51% to 87.5%
- **B-** 80% to 82.5%
- **C+** 77.51% to 79.9%
- **C** 72.51% to 77.5%
- **C-** 70% to 72.5%
- **D** 60% to 69.9%
- **F** 59.9% or less

**Course Schedule**

**Week 1:** Discussion of the syllabus, Simple Lineal Regression, Criteria of Least Squares, Determination Coefficient (R2), Regressions in Excel;

**Week 2:** Using “Econometric Views”, Matrix Algebra; Multiple Regression, Derivation of Least Squares Vector, Derivation of Least Squares Vector, Statistical Inference and Lineal Regression;

**Week 3:** Estimation of Elasticities – Doubled-log Model. Specification Errors – Omitted Variables Irrelevant Variables, Adjusted R2 Muticolinearity, Models;

**Week 4:** Heteroskedasticity – White Test, Box-Jenkins, Probit and Logit Models, Autocorrelation – Effects – Durbin Watson Test;

**Week 5:** Models with Lagged Variables, Autocorrelation with Lagged Variables – Durbin H-test. Forecasting, Cochrane – Orcutt Method
Course Policies

1. It is your responsibility to attend class regularly and to complete all reading and writing assignments on time – remember that there is grading for participation. You are responsible for finding out what assignments were made and what material was covered on the days you miss class. Ignorance is no excuse. Do not e-mail your assignments to me without prior permission. This rule also applies to students participating in academic events (conferences, field trips, etc.). Late assignments will count for extra credit only. Plan ahead so you will not fall behind.

2. If you are absent when a test is given, or when an assignment is due, you will receive a grade of zero unless the absence or missed assignment is excused. To be excused, you must present a note to the Instructor, signed by a physician, nurse, parent, or advisor stating why it was not possible for you to attend class during the test or to submit the assignment on time. Since the test dates are included on this syllabus, it is your responsibility to plan your outside work schedule accordingly. The final exam date and time cannot be rescheduled without permission from the Provost.

3. Written assignments are to be typed in Microsoft Word format (12 pt. font, Times New Roman, standard margins) with a cover sheet identifying the author, the course name, the date, and the name of the assignment.

4. Students who plan to drop this course must do so on or before the scheduled drop deadline date (see class schedule). This Instructor will not sign drop slips after this date (a documented personal crisis may be the exception). If you disappear from class but do not drop the course, then you will receive an F for a final grade. No exceptions.

5. Disabilities Accommodation: Individuals who have a documented learning disability, either permanent or temporary, that might affect their ability to perform in this class should immediately inform the Instructor at the start of the semester. Accommodations will be made, as required, to provide for equitable evaluation of performance.

6. Accommodations of Religious Beliefs: Students’ sincerely held religious beliefs should be reasonably accommodated with respect to scheduling all examinations and other academic requirements. Students should inform the Instructor of these needs at the start of the semester.

Term Paper Research

Based on their familiarity with their country students are required to write a midterm paper (5 – 6 page long) (doubled-spaced). The paper will explore more deeply an econometric model using real economic data about an issue students are interested in. Students should identify an event and propose a theory explaining the event; students must also describe and cite the evidence that supports the theory. In the papers
students are expected to supplement sources with at least 5 academic sources (journal articles, books, or textbook) at least 2 books from the Quingdao University library. This paper will be graded based on the identification of an interesting event, the rigor in the application of a theory (discussed in class or developed by the student), and the robustness of the evidence provided to substantiate the main claims of the paper… Note that students should identify an event THEY find interesting, not a problem they think the professor would be interested in; if students will spend time and effort doing this project they should better enjoy it!

1. **Expand your knowledge base**- Start your general research into your topic, look for as many sources as possible. The WEB is only one avenue of inquiry. Newspapers, academic journals, magazines, encyclopedias, book in print are other avenues.

2. **Narrow your topic**- Your insights into your topic will be deeper and broader the more sources you consult. Let this information ferment for a while as you decide how to relate it to the concepts you have learned in this course. Your research into your topic will illuminate specific regions of inquiry that will be the focus of your paper. You may start out researching the general topic of “unemployment” and end up in your paper discussing the macroeconomic pros and cons of a much narrower topic like the Humphrey-Hawkins Bill.

3. **Develop your thesis**- A thesis statement is a position statement. Your position on an issue is an “enlightened opinion” that is supported by the unbiased research you have conducted on your topic. Your thesis can also be viewed as “an arguable proposition”, which the reader can either accept or reject based on the evidence you present. You may assume that your reader will be naturally skeptical of your thesis, and will be prone to reject it unless you can support it convincingly with your research findings.

4. **Write the first draft of your paper using course concepts and terminology**- At some point, you must stop reading and start writing. You are not required to be an expert on your topic. The sooner you reach the writing stage, the better it will be for you at the end. Prepare a list of the models and concepts you intend to integrate into the body of your paper as you go about supporting your thesis. After each class period, ask yourself how you can incorporate what you learned that day into your term paper. Write down these insights in your memo pad which you carry with you at all times, and expand upon these ideas during your writing sessions.

5. **Revise your paper in light of new insights you have gained about your topic from writing your first draft**.- You have heard it before and it is the gospel truth- “The key to good writing is re-writing.” During each of your writing sessions, go back and revise what you have already written. Assume your reader already understands the basic concepts of the course. Apply these concepts for your own purpose.
Remember when you are writing your term paper you are not a “student”. You are a “scholar”. Do not opportunity to practice the kind of scholarship that will help you “make your mark” in the world.
See me or your Coach at any time if you need assistance during the writing process.

**Term Paper Format**

**Order of Presentation**

1. **Title** - Please select a title for your paper that sounds unique and interesting, and embodies the essence of your paper's thesis. DO NOT include a title page.
2. **Abstract** - A one or two paragraph section that describes the purpose of your paper, the research methods you used, and your paper’s main conclusions.
4. **The Paper Itself** – Around 5 pages of ANALISIS, not description. Five pages including notes and references. Cite sources in the text.
5. **Bibliography** - Include alphabetical listing of all sources you cited in the main text of the paper.

**In addition:**

1. Pique the reader’s curiosity and interest by asking leading questions for which you supply answers in the succeeding sections of your paper.
2. Do not copy another author's work and represent it as your own. Do your own work. The penalty for plagiarism is an "F" for the paper, and an F for the course.

Your paper is due no later than 12:00 p.m. on August 5 (see syllabus). Turn in a hard copy. Late papers will **NOT** be accepted. There will be no extensions and no exceptions. This is the way it must be.

**Term Paper Citation, Endnotes and Bibliography Format**

TO AVOID A CHARGE OF PLAGIARISM, ALWAYS PLACE AN AUTHOR'S OWN WORDS IN QUOTATIONS, AND CITE THE REFERENCE. YOU HAVE COMMITTED PLAGIARISM IF YOU COPY VERBATIM SOMEONE ELSE'S WRITTEN STATEMENTS AND PASS THEM OFF AS YOUR OWN, AND ALSO WHEN YOU TAKE INFORMACION FROM SOURCES WITHOUT INCLUDING REFERENCE IN THE TEXT. THE PENALTY FOR PLAGIARISM IS AN F ON THE PAPER AND AN F IN THE COURSE.

Students can find an example of a research paper here:


Note the format of citations that appear in parenthesis within the text, the endnotes and the references. Please talk to me if you have more questions.

**Academic Honesty**
Jinan University defines academic misconduct as any act by a student that misrepresents the students’ own academic work or that compromises the academic work of another. Scholastic misconduct includes (but is not limited to) cheating on assignments or examinations; plagiarizing, i.e. misrepresenting as one’s own work any work done by another; submitting the same paper, or substantially similar papers, to meet the requirements of more than one course without the approval and consent of the instructors concerned; sabotaging another’s work. Within these general definitions, however, Instructors determine what constitutes academic misconduct in the courses they teach. Students found guilty of academic misconduct in any portion of the academic work face penalties ranging from lowering of their course grade to awarding a grade of F for the entire course.