IDV 722
International Development Statistics II
Syllabus
Fall 2008

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Please check www.usm.edu and www.usm.edu/internantional for information pertaining to University and the department, respectively.

Prerequisite
Admission to IDV program and IDV 721

ADA Syllabus Statement for Southern Miss at Gulf Park:
If a student has a disability that qualifies under the Americans with Disabilities Act and requires accommodations, he/she should contact the Office for Disability Accommodations (ODA), for information on appropriate policies and procedures. Box 5128; voice telephone or TTY 214-3232.

Learning objectives
Upon completion of the course students will be able to

- Identify appropriate multivariate tools for different statistical analysis.
- Perform multivariate analysis using computer software.
- Apply proper multivariate analysis to conduct independent research.

Course Objectives
This is the continuation of Statistical Analysis. It will introduce more advanced statistical methods and tools.

This is a method course. A topic is introduced, its uses are studied, and methods of obtaining the results are demonstrated, primarily via computer software.

- Review of linear and multiple regression.
- Error analysis.
- Remedies for regression problems.
- Logit.
- Probit.
- Principal component.
- Factor analysis.

Learning Outcomes
Successfully complete homework, pass tests, and write a 10-15 page paper using statistical tools acquired in the course.

Grade Distribution
Evaluation is based on mastery of the subject, which will be determined by formal testing, and on application of material, which will be demonstrated through a research paper on a topic in international political economy related areas such as poverty, inequality, international trade, and growth. The final grade will also depend on participation in discussions, and familiarity with current economic issues. Demarcations for the grades are follow the Graduate Council guidelines.

Course Delivery Model

This course is a hybrid one. It includes (1) traditional face-to-face meetings conducted at two three-day in-person sessions at the beginning and end of the semester and (2) interaction in an online format during the remainder of the semester. However, overall, more than 50 percent of the material for this course is presented online and it is thus classified as a fully online course.

Grading Rubric

Participation	10%
Homework	20%
Paper	10%
Paper presentation	10%
Midterm	25%
Final	25%

Required Readings
Hair Jr., J. F., R. E. Anderson, R. L. Tatham, W. C. Black 1998. Multivariate Data Analysis, 5th ed. Prentice Hall . Other texts and supplementary reading will be provided.
George, D. and P. Mallery, 2003. SPSS for Windows Step by step: A Simple Guide and Reference 11.0 Update, 4th ed.Allan and Bacon. ISBN 0-205-37552-9
Huck, S. W. 2004. Reading Statistics and Research, 4th ed. Pearson, Allyn and Bacon ISBN 0-205-38081-6

Tentative Schedule
The first and the last week will be on campus, the rest on line.

Week 1	Review of linear and multiple regression Discussion about research paper. Students are encouraged to meet with the instructor while on campus.
Week 2	Error analysis and remedies to regression problems.
Week 3	Logit models.
Week 4	Probit models.
Week 5	Qualitative variables.
Week 6	Advanced regression analysis.

Week 7	Multivariate methods.
Week 8	Multivariate methods.
Week 9	Principal components.
Week 10	Principal components.
Week 11	Factor analysis.
Week 12	Factor analysis.
Week 13	Assessing models.
Week 14	Assessing models.
Week 15	Research paper presentation.