Course Instructor
Dr. Cary Deck
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office hours: scheduled as needed

Course Description and Objectives
This course is designed to provide students with the basic (though not exhaustive) set of mathematical tools necessary to study economics at the graduate level. As such, this course covers a wide variety of material in a very short period of time. Specific topics include matrix algebra, univariate and multivariate calculus, unconstrained and constrained optimization, and difference equations. The backgrounds of the students enrolled in this course are diverse. While it is the goal of the course to have everyone prepared for continuing graduate education in economics, this cannot be achieved unless students are willing to exert considerable effort in and out of class on the material they find challenging. The expectation is that students will do so.

Readings
Mathematical Tools for Economics by Turkington (textbook)
Additional Reference – Mathematics for Economists by Simon and Blume
Additional Reference – Mathematical Economics 2nd ed. by Baldani, Bradfield, and Turner

Tentative Class Schedule is available on the class website:
http://comp.uark.edu/~cdeck/econ523.htm

Grades
Course grades will be based upon performance on the two exams. The course grade equals max\( \left( \frac{X_2}{2}, \frac{X_1+X_2}{2} \right) \), where \( X_i \) denotes exam \( i \). Each exam is cumulative and the content for each exam will be identified in class.

No make-up exams will be given.

Grade appeals on exams must be submitted in writing by the day after the exam is returned. No consideration will be given to disputed exams without a written description of the appeal.

Any student that engages in academic misconduct will receive a grade of F in the course and will be reported to appropriate offices. Students are expected to be familiar with the University’s Academic Honesty Policy for Graduate Students available online at http://handbook.uark.edu/academichonesty.php
Attendance Policy
Attendance is more than being physically located in the classroom. Students should read assigned materials prior to class. Cell phones and other electronic devices should be turned off and materials not related to this course should be put away during class. Any and all distracting activity should be avoided. Above all, members of the class are expected to behave in a professional manner. Attendance issues deemed excessive by the instructor will result in a grade sanction.

Other
Students with disabilities who wish to request special accommodations are encouraged to contact the instructor as soon as possible.

Students are responsible for subject material covered in lecture, and assigned readings, which includes all of the chapters noted on this syllabus. Occasionally the book and lecture will approach a topic differently. My goal for this course is to help you learn the material. Seeing the same material presented from different perspectives aids in accomplishing this task.

Information relevant to this class will be posted at http://comp.uark.edu/~cdeck/econ523.htm. No guarantee is made that this site will contain updated information. It is the student’s responsibility to keep up with the class schedule, assignments, etc. as announced in class. If the website differs from what was said in class, students should go by what was said in class.