Introduction to Mathematical Economics

Economics 331

Section: D100

Term: 2012 Spring

Instructor: Terry Heaps

Discussion Topics: The course will develop the mathematical tools of calculus and matrix algebra and show how these tools may be used in doing economic analysis. Topics that will be covered include continuity, derivatives and optimization of functions of one variable; matrices, determinants and inverse matrices; partial derivatives, unconstrained and constrained optimization of functions of several variables; comparative statics. If time permits, there may be an introduction to economic dynamics.

Grading: The course grade will be based on the written assignments (15%), participation in the computer lab (5%), two midterms (20% each) and a final (40%).

Required Texts:
Hoy, M. et al. Mathematics for Economics, 3rd edition MIT Press (2011)

Recommended Texts:

Materials/Supplies:

Prerequisite/Corequisite: Econ 103, 105; Math 157 or 151 ; 60 units. Students who have completed MATH 232 or 251 cannot take ECON 331 for further credit. Quantitative

Notes:
NO TUTORIALS DURING THE FIRST WEEK OF CLASSES

Students requiring accommodations as a result of a disability must contact the Centre for Students with Disabilities at 778-782-3112 or csdo@sfu.ca
All students are expected to read and understand SFUs policies with regard to academic dishonesty (S 10.02 and S 10.03). These policies are available at the following web addresses: http://www.sfu.ca/policies/gazette/student/s10-02.html and
http://www.sfu.ca/policies/gazette/student/s10-03.html

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