

ECON 172A SYLLABUS (WINTER 2004)

Foster, UCSD, 17-Dec-03

Instructor

- Carroll B. Foster, Ph.D. (instructor)
Consultation: TuTh, 12⁴⁵-1⁴⁵, ECON 110C

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Course Information

- Course ID: Introduction/Operations Resrch (502515)
- Lectures: TuTh, 3³⁰-4⁵⁰ pm, CENTER 115
- Description: Linear programming, requiring knowledge of linear algebra. Homework assignments use EXCEL spreadsheet program with SOLVER.
- Prerequisite: Econ 1A and B; Econ 120A, Math 20A,B,C and F.

Books and Materials

- Foster, "Ec 172A Course Packet" [Soft Reserves]
- Computer account slips [Distributed in class]

Calendar

- Change grade option or drop w/o "W" thru Friday, 30 JAN.
- Drop w/o "F" thru Friday, 5 MAR.
- Holidays: M, 19 JAN (MLK); M, 16 FEB (President's Day)
- Midterm: Thursday, 12 FEB, in class
- Final: Friday, 19 MAR, 3-6 pm, in CENTER 115 or _____

Examinations and Grading

50-point midterm; 150 cumulative comprehensive final (open book/notes); homework worth 50 points after adjustment. Regrade period = 1 week after papers returned in class. No rescheduled or make-up exams. Cheating = F plus penalty imposed by dean.¹

Grade Scale

Gr	Points
A±	94-99%
B±	87-93%
C±	79-86%
D	70-78%

COURSE OUTLINE

TOPIC 0	INTRODUCTION TO OPERATIONS RESEARCH
TOPIC 1	INTRODUCTION TO LINEAR PROGRAMMING
TOPIC 2	EXCEL SOLUTIONS & SENSITIVITY I
TOPIC 3	APPLICATIONS & VARIATIONS
TOPIC 4	THE SIMPLEX METHOD
TOPIC 5	DUALITY & SENSITIVITY II

¹ I give multiple versions of tests. If you have the right answers for some other version, you are busted.