

CAPE M 24 FEB

# ECON 172A SYLLABUS (Winter 2003)

Foster, UCSD, January 10, 2003

## Instructor/Assistants

- Carroll B. Foster, Ph.D. (instructor) . . . . . <cfoster@weber.ucsd.edu>  
Consultation: MWF 9 - 9<sup>50</sup> am Room: ECON 110C Tel: 534-7133
- D. Chiquiar Th 11<sup>30</sup> - 12<sup>30</sup> ECON 127 . . . . . <dchiquia@yahoo.com>
- F. Mazzolari T 1 - 2 SEQ 243. . . . . <fmazzola@weber.ucsd.edu>

## Course Information

- Schedule ID: Introduction/Operations Resrch (457171)
- Lecture: MWF, 10 - 10<sup>50</sup> am Room: CENTER HALL 113
- Description: Theory and practice of linear programming; homework uses EXCEL.
- Prerequisite: Math 20F (for linear algebra).

## Calendar

- Change grade option or drop w/o "W" thru Friday, 31 JAN
- Drop w/o "F" thru Friday, 7 MAR
- Holidays: M, 20 JAN (MLK); M, 17 FEB (PD)
- Midterm: Monday, 10 FEB, in class
- Final: Tuesday, 18 MAR, 8-11 am, CENTER 113 E CENTER 113

## Books and Materials

- Winston, *Operations Research*, 3<sup>d</sup> ed. [optional]
- Hillier & Lieberman, *Intro to Mathematical Programming*, 2<sup>d</sup> ed. [optional]
- Foster, *Econ 172A Course Packet* [Soft Reserves]
- Computer account slips [in class]

## Examinations and Grading

Graded homework (50 points adjusted); midterm (100 points); comprehensive final (150 points). Penalty for late HW = 1/2 off until papers returned. Exams are open book/notes. No makeup or rescheduled exams. Cheating = F + penalty imposed by dean.<sup>1</sup>

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

Grade Scale

## COURSE OUTLINE/READING LIST

Topic Number and Title	H/L	Winston
0. INTRO TO OPERATIONS RESEARCH	Ch. 1-2	Ch. 1
1. INTRO TO LINEAR PROGRAMMING	\$3.1-3.3	Ch. 3
2. EXCEL SOLUTIONS & SENSITIVITY I		Ch. 5
3. APPLICATIONS & VARIATIONS (midterm)	\$3.4-3.6	
4. THE SIMPLEX METHOD	Ch. 4-5	Ch. 4
5. DUALITY & SENSITIVITY II	\$5.3; Ch. 6	Ch. 6
6. TRANSPORTATION APPLICATIONS <sup>2</sup> (final)	Ch. 8	Ch. 7

<sup>1</sup>I give multiple versions of tests. If you have the right answer for some other version, you will be accused of copying (cheating).

<sup>2</sup>If time permits.