

ECON 172B SYLLABUS (Winter 2003)

Foster, UCSD, January 10, 2003

Instructor/Teaching Assistants

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 Consultation: MWF, 9-9⁵⁰ am, ECON 110C <cfoster@weber.ucsd.edu>
- Y. Arai F 3-4 pm ECON 126 <yarai@weber.ucsd.edu>
- D. Vine M 4-5 pm ECON 121 <dvine@weber.ucsd.edu>
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Course Information

- Schedule ID: Introduction/Operations Resrch (462377).
- Lectures: MWF, 11-11⁵⁰ am, CENTER HALL 119
- Description: Covers integer and nonlinear programming; additional linear programming topics covered when time permits.
- Prerequisite: Econ 172A (linear programming).

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: Wednesday, 12 FEB, in class.
- Final: Thursday, 20 MAR, 11³⁰-2³⁰ pm, CENTER 119

Books and Materials

- Winston, *Operations Research*, 3^d ed. [optional]
- Hillier & Lieberman, *Intro to Mathematical Programming*, 2^d ed. [optional]
- Foster, *Ec 172B 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.¹

Gr	Points
A±	93-99%
B±	85-92
C±	76-84
D	70-75

Grade scale

OUTLINE/READING

	<u>H & L.</u>	<u>Winston</u>
LP-0. REVIEW OF LINEAR PROGRAMMING (if needed)	Ch 3	Ch 3
IP-1. INTEGER PROGRAMMING SOLUTION ALGORITHMS	Ch 12	Ch 9
IP-2. IP MODELING & APPLICATIONS	Ch 12	Ch 9
(midterm)		
NLP-1. NONLINEAR PROGRAMMING (UNCONSTRAINED)	Ch 13	Ch 12
NLP-2. NONLINEAR PROGRAMMING (CONSTRAINED)	Ch 13	Ch 12
LP-1. LP NETWORK APPLICATIONS ²	Ch 8-9	Ch 7-8
(final)		

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

²If time permits.