

Syllabus of Management Science
2008 Spring

Time: Tuesday 2:20 pm to 5:20 pm

Place: College of management, Room 104 at the 2nd building of College of Management

Instructor: David M. Chiang (蔣明晃) Tel: 33661053 e-mail: cmh@ccms.ntu.edu.tw

Office Hour: Monday, 1:00 pm to 2:00 pm or by appointments

TA : 陳正邦 Tel: 33661058 ext 18 Portal : 140.112.110.2

Grading policy:

Homeworks: 20% Midterm: 40% Final: 40%

Textbook:

Bernard W. Taylor III, Introduction to Management Science, 9th edition, Prentice Hall International, Inc., 2007. (華泰書局, Tel:23773877)

Class outline

<u>Date</u>	<u>Topics</u>	<u>Chapters</u>
02/19	Model Building & Linear Programming	Ch. 1 & 2
02/26	Linear Programming: Sensitivity Analysis	Ch 2 & 3
03/04	Linear Programming: Modeling Example	Ch 4
03/11	Linear Programming: Modeling Example	Ch 4
03/18	Linear Programming: Simplex Method	CD Module A
03/25	Integer Programming	Ch 5
04/01	Integer Programming: Branch and Bound Method	Ch 5& CD Module C
04/08	Transportation, Transshipment & Assignment Problems	Ch 6
04/15	Midterm	
04/22	Network Flows Models	Ch 7
04/29	Multicriteria Decision Making	Ch 9
05/06	Decision Analysis	Ch 12
05/13	Game Theory	CD Module E
05/20	Markov Chain	CD Module F
05/27	Markov Chain & Queuing Analysis	Ch 13 & CD Module F
06/03	Queuing Analysis	Ch 13
06/10	Inventory Management	Ch 16
06/17	Final Exam	