UNIVERSITY OF HAWAI'I AT MĀNOA

Department of Civil and Environmental Engineering 2540 Dole Street, Holmes Hall 383, Honolulu, Hawai'i 96822-2382 Telephone: (808) 956-7550, Facsimile: (808) 956-5014 Spring 2003

CEE 462: TRAFFIC ENGINEERING PROFESSOR PANOS D. PREVEDOUROS

MONTH	DATE	SUBJECT	HOMEWORK* [% of grade]
January	14	Parking studies and project discussion	
	16	Field measurements (Zone 13)	Parking Project [10%]
	21	Field measurements (Zone 13)	
	23	Project data reduction	
	28	Parking studies (continued)	
	30	Traffic engineering - overview	
February	4	Student Presentations	Parking Project
	6	Signalized intersection controls	
	11	Signal phasing and timing	
	13	Analysis of signalized intersections	
	18	Analysis of unsignalized intersections	
	20	Intersection data collection (field day)	Signalized Intersection Project [10%]
	25	Application of intersection analysis	
	27	Student Presentations	Traffic Countermeasures [10%]
March	4	Environmental Impact Statements (EIS)	
	6	Traffic Impact Studies	
	11	(continued)	
	13	(continued)	
	18	Detailed example of a TIS	
	20	Student Presentations	Singnalized Intersection Project
	25	Spring Break	
	27	Spring Break	
April	1	Midterm examination	[20%]
	3	Simulation: TRANSYT 7F	Exercises from Chapter 9 [10%]**
	8	Simulation: TRANSYT 7F	
	10	Analysis of single intersection (T7F)	
	15	Arterial analysis (T7F)	
	17	Explanations on group project	
	22	Lab session 1 on T7F	
	24	Lab session 2 on T7F	TRANSYT-7F assignment [15%]
	29	Lab session 3 on T7F	
May	1	Discussion of TRANSYT assignment	
	6	Student Presentations	TRANSYT-7F Project
	15	Final examination (9:45-11:45 AM)	[25%]

* = Exact due dates for projects, homework and exams are announced in class

Textbook: Transportation Engineering and Planning, C.S.Papacostas & P.D.Prevedouros, 3e, Prentice Hall 2001. Handouts: TRANSYT 7-F User's Guide; various others.

All course deliverables except for exams and (**) are PowerPoint files.

GRADING: Midterm 20%, Projects and Presentations=55%, Final Exam=25%.

Homework and midterm exam dates may change. If a change is needed, an one week notice will be given.