CIV E 781
SEMINAR IN TRANSPORTATION ENGINEERING
Spring 2014

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Office Hours: TuTh 1 – 3 pm

COURSE FORMAT:
This is a 700-level course; it indicates a unique seminar format. Students are expected to routinely participate in class presentations together with the instructor.

COURSE OBJECTIVES:
Provide students with the current knowledge of Transportation Planning
Present modern decision-oriented approach and systems perspective in the planning process
Provide students with tools to perform original research and analysis in selected areas of Transportation
Offer an opportunity to perform independent literature review and make presentations

WEEK	TOPIC LISTING

1	Course Overview. Urban Transportation Planning Context
2-3	Transportation Planning and Decision-Making
4-5	Urban Travel and Transportation System Characteristics
5-6	Transportation Data Management
7-8	Demand Analysis
9	MIDTERM. Activity Analysis
10-11	Urban Activity System Analysis
12	Supply Analysis
Transportation System and Project Evaluation
Program and Project Implementation
Class Project Presentations

FINAL


REFERENCES: Various sources

GRADING: Final Exam: 30% May 15, 7-9 pm
Midterm: 20% March 27, 7 pm
Presentations: 20% Class time
Group project 20% Due April 24
Homework: 10% Due weekly