Winter 2008

Infrastructure Economics - University of California, Davis

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ECI 268: INFRASTRUCTURE ECONOMICS
Winter, 2008

MWF 9-10; 261 Olson
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Date | Topic | Readings and Assignments
---|---|---
7 Jan. | Economic Engineering Objectives and Methods | [find a good overview reading; get reading&discussion going for the first 2 classes]
9 | Economic Evaluation Overview | Au 1988; Lund 1992
11 | Microeconomic Theory | Follow with any Microeconomics text
14 | Microeconomic Theory | Bibliography, Finance, and Evaluation TOPICS DUE
16 | Microeconomic Theory |
18 | Microeconomic Theory |
21 | Holiday |
24 | Economic service demands | HW#1 DUE (microeconomics)
26 | Forecasting and "Willingness-to-pay" |
30 | Economic Measurement | BIBLIOGRAPHY DUE
1 Feb | Economic Measurement |
4 | Discounting and Evaluation with Uncertainty | Baumol and Bradford papers
6 | Macro-Economics | Multipliers, I/O and Econometrics; HW#2 DUE
8 | Economic Evaluation Examples | Hanke and Walker 1974; Palmisani & Easter 1984
11 | Economic-engineering system modeling | Harou and Lund paper
13 | Public Finance Methods |
15 | Negotiation and Cost Allocation | Giglio and Wrightington 1972
18 | Holiday |
20 | Economic Management Measures | EVALUATION or MEASUREMENT report DUE
22 | Pricing | Area-specific readings [Jay gone]
25 | Pricing |
27 | Pricing | [Jay gone]
29 | Taxation & Insurance | PUBLIC FINANCE report DUE

3 March | Marketable Rights |
5 | Marketable Rights |
7 | Privatization |
10 | Optimizing Demand Management | Lund 1987 or 1990; Rosenberg et al. 2007
12 | Planning Economic Systems | Hayek 1945
14 | Non-Classical Economics | Alchian 1950
17 | Summary and Overview |

March 20 ECONOMIC MANAGEMENT report and revised BIBLIOGRAPHY due

Assignments: Two homeworks are due early in the quarter. The main assignments are four small projects: 1) annotated bibliography of applications of economics to your field, including demand estimation (Due 27 Jan. & 17 Mar.), 2) 3-5 page economic evaluation or measurement report of some issue in your field (Due 15 Feb.), 3) 3-5 page report on public finance in your field (Due 27 Feb.), and 4) 3-5 page report on the application or potential application of an economic management technique in your field (Due 17 March). You are encouraged to discuss topics with the instructor as the quarter develops. Assignments 2, 3, and 4 may be group projects with commensurate increases in results expected. Alternatively, you may choose to do a larger term project applying economic ideas to an infrastructure problem, with scheduled outline, draft, and final due dates.