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Special Transportation Programs Massachusetts Institute of Technology July-August 1980

The Center for Transportation Studies will offer a coordinated set of seven Transportation Programs. These programs are designed for transportation managers, planners, analysts and engineers in both industry and government, as well as university faculty. Programs will be offered in

- TRANSPORTATION SYSTEMS MANAGEMENT AND ANALYSIS
- AIR TRANSPORTATION
- URBAN TRANSPORTATION ISSUES AND TECHNIQUES
- FREIGHT TRANSPORTATION
- FORECASTING TRANSPORTATION DEMAND
- TRANSPORTATION IN DEVELOPING COUNTRIES
- TRANSPORTATION NETWORKS

Each of the courses will discuss current management, planning, policy and research issues in its subject area, and will describe new methodologies for analysis of these issues. For most of the Programs offered, students may attend one or both weeks.

Transportation Systems Management and Analysis: Part 1 (Aug. 4-8, 1980); *Part 2* (Aug. 11-15). Basic concepts and techniques of management and analysis of transportation systems; intermodal aspects. Case studies of particular transportation problems; application of basic concepts. Professor in charge: Marvin L. Manheim.

Airline Management and Planning (June 16-27, 1980); *Airport Management and Planning* (July 7-18, 1980). Professor in charge: Robert W. Simpson.

Urban Transportation: Part 1 (Aug. 4-8, 1980); *Part 2* (Aug. 11-15). Current issues in urban transportation; transportation strategies, analysis methods, and institutional techniques. Transit management; air quality and energy conservation; simplified analysis methods. Implementing change. Professor in charge: Marvin L. Manheim.

Freight Transportation: Part 1 (Aug. 4-8, 1980): Development of framework for analysis; problem formulation; data collection; sampling and computational considerations. *Part 2* (Aug. 11-15): Issues and applications, case studies; interfacing with the political and regulatory systems. Professor in charge: Paul O. Roberts.

Forecasting Transportation Demand: Part 1 (Optional Introductory Program, Aug. 4-8, 1980): Basic concepts of analysis of transportation systems; review of statistical methods. *Part 2* (Aug. 11-15): Modeling techniques for transportation demand forecasting; application to problems in policy, planning, design, and operations; passenger and freight. *Part 3* (Aug. 18-22): Advanced approaches and data collection, including survey design, and application of psychometric methods. Professor in charge: Moshe Ben-Akiva.

Transportation in Developing Countries, in cooperation with the Joint Program in Transportation of Toronto and York Universities (Aug. 4-15, 1980). Issues in planning, management and operations. Alternative approaches to analysis: specific techniques, simplified methods. Designing and managing a study. Professors in charge: Marvin L. Manheim, Richard M. Soberman.

Transportation Network Analysis (Aug. 13-15, 1980). Alternative methods for transportation network assignment and equilibration. Professor in charge: Yosef Sheffi.

For further information, please contact:

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