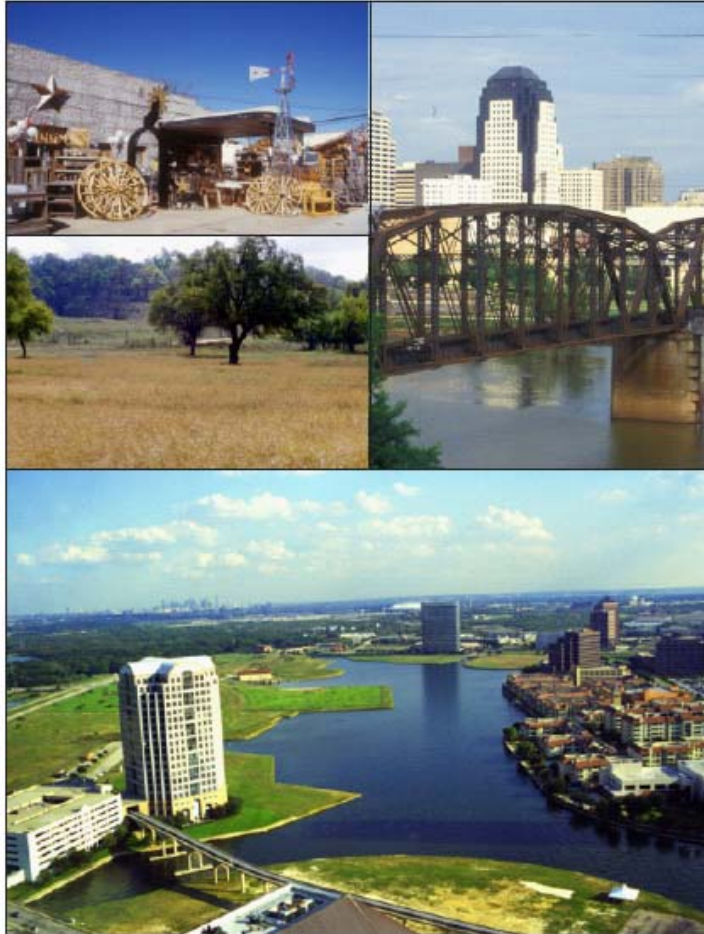


# Master of Urban Planning

## **EMPHASIS**



2005-2006



LANDSCAPE ARCHITECTURE AND URBAN PLANNING  
COLLEGE OF ARCHITECTURE ■ TEXAS A&M UNIVERSITY

# POLICIES and PROCEDURES for MUP EMPHASIS AREAS

## EMPHASIS AREAS

The master of Urban Planning (MUP) Program emphasis areas are:

Environmental Hazard Management  
General Planning  
Health Systems Planning & Policy  
Historic Preservation  
Sustainable Urbanism  
Urban Design and Community Development  
Transportation Planning

## POLICIES

In order to qualify as a MUP graduate with a stated emphasis area, a student must complete not less than four designated emphasis area courses. Additionally, all of the required courses (those designated with the letter “R” must be completed). Designated courses may include non-departmental courses pending approval of the Chair of the Graduate Student Advisory Committee (GSAC). MUP core curriculum courses do not qualify as designated emphasis-area courses.

Individualized emphasis areas may be developed with the consent of the faculty.

## PROCEDURES

1. Each GSAC is responsible for assisting a student in determining an appropriate emphasis area.
2. Once a student has selected an emphasis area, the student and the Chair of the student’s GSAC sign the Emphasis Area Plan form (see the form included in this document).
3. The student then submits the form to student services in the Landscape Architecture and Urban Planning departmental office.
4. The office staff will make copies of the form and place one in the student’s permanent file. Additional copies will be sent to the student and each member of the student’s GSAC.
5. It is the responsibility of the student to ensure that the Emphasis Area Plan is being followed.
6. Where, due to the failure of courses to make or be offered, a student cannot follow the schedule of emphasis area courses, the GSAC Chair should assist the student in selecting other suitable courses from the approved program list.

**MUP EMPHASIS AREA PLAN**

Please review the emphasis area courses with your Graduate Student Advisory Committee (GSAC) Chair and secure his/her signature. Submit this completed form to the Student Services office in the Department of Landscape Architecture and Urban Planning.

\_\_\_\_\_  
Student

\_\_\_\_\_  
GSAC Chair

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Signature

Environmental Hazard Management

General Planning

Health Planning & Policy

Historic Preservation

Sustainable Development

Urban Design and Community Development

Transportation Planning

List the designated emphasis area courses that will be taken by the student. List alternative courses.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Alternatives:

\_\_\_\_\_  
\_\_\_\_\_

**Description**

Natural and technological hazards often impinge on human activity. This emphasis area examines how people come to recognize, plan for, manage and deal with the environmental hazards that threaten life, health and property in human settlements. MUP students emphasizing Environmental Hazards Management at Texas A&M University take course addressing emergency management, disaster response, environmental planning, risk analysis and Hazards management, Hazards mitigation. They also take part in colloquia, internships, research and other scholarly activities.

The following core curriculum and elective courses are associated with the Environmental Hazards Management emphasis area.

**Required & Elective Courses**

E	PLAN 616	Analyzing Risk/Hazards and Public Policy
E	PLAN 650	Disaster Response Planning
E	PLAN 634	Environmental Health Policy & Planning
E	PLAN 641	Problems of Environmental Planning Administration
E	PLAN 649	Organizational and Community Planning & Response
R	PLAN 647	Disaster Recovery/Hazard Mitigation
E	PLAN 625	Geographic Information Systems
E	PLAN 665	Plan Making

**Faculty Involvement** The Department of Landscape Architecture and Urban Planning faculty listed below frequently chair and serve as members on graduate student advisory committees for those students who have selected the Environmental Hazards emphasis.

Dr. Sherry Bame  
Dr. Samuel Brody  
Dr. Michael Lindell  
Dr. George Rogers  
Dr. Dennis Wenger  
Dr. Walter Peacock

The following faculty frequently serve as non-departmental members on graduate committees.

Dr. Charles Graham	Dept. of Construction Science
Dr. David Bilbo	Dept. of Construction Science
Dr. John Giardino	Department of Geography
Dr. Daniel Sui	Department of Geography
Dr. Norris Stubbs	Dept of Civil Engineering

**Employment Opportunities**

Opportunities for employment with an MUP degree and an emphasis in Environmental Hazards Management are increasing. Graduates of the program with this emphasis area frequently find employment with:

Municipal and county planning departments  
Emergency management organizations  
Agencies of state government  
Agencies of the federal government (e.g., FEMA)  
Private industry emergency management organizations

**Certification**

Students emphasizing Environmental Hazards Management may earn an **Environmental Hazards Management Certificate**, in addition to their regular Master of Urban Planning degree. The certificate satisfies the academic course requirements for the *Certified Emergency Manager* awarded by the International Association of Emergency Managers.

**Reading List**

The following are considered to be core reading for those students interested in the Environmental Hazards Management emphasis.

Disasters by Design.  
*Dennis S. Mileti, Joseph Henry Press, 1999.*

Emergency Management: Principles and Practice for Local Government.  
*Thomas Drabek and Gerard J. Hoetmer, Editors, ICMA, 1991.*

Behavioral Foundations of Community Emergency Planning.  
*Michael K. Lindell and Ronald W. Perry, Hemisphere, 1992.*

**Talk to a Professional**

Unsure if this is the right MUP emphasis area for you? The program coordinator will put you in touch with a Texas A&M graduate whose specialty is Environmental Hazards Management.

**MUP Program**

Department of Landscape Architecture & Urban Planning  
College of Architecture  
Texas A&M University  
College Station, TX 77843-3137

(979) 862-2730 email: [ebright@archmail.tamu.edu](mailto:ebright@archmail.tamu.edu) fax: (979) 862-1784

**Description**

Urban Planning has been defined as:

**“...the application of research, knowledge, and foresight to action in the public interest.”** *American Planning Association, 1988*

Urban Planners are engaged in a variety of roles and activities. The General Planning emphasis area is designed to meet the needs of those students who desire the broadest possible scope in their graduate studies. The breadth of training associated with this emphasis area gives students the skills they can use in responding to the wide array of responsibilities associated with the contemporary practice of planning. Students selecting this option take courses ranging from geographic information systems to recreation and parks planning.

**Required & Elective Courses**

The following core and elective courses are frequently taken by students opting for the General Planning emphasis area:

E	PLAN 612	Transportation in City Planning
R	PLAN 669	Urban Infrastructure Planning
E	PLAN 620	Dispute Resolution and Participation in Planning
E	PLAN 625	Geographic Information Systems
E	PLAN 631	Planning and Programming Health Systems
E	PLAN 633	Planning for Healthy Communities
E	PLAN 656	Housing and Community
E	PLAN 654	Planning Administration & Management
E	PLAN 675	Theory of Planning and Urbanism
E	PLAN 623	Devel. & Plan. In 3 <sup>rd</sup> World Countries
E	PLAN 665	Plan Making

**Faculty Involvement** The Department of Landscape Architecture & Urban Planning faculty listed below frequently chair and serve as members on graduate student advisory committees.

Dr. Sherry Bame  
Dr. Sam Brody  
Dr. Elise Bright  
Dr. Chris Ellis  
Dr. Dawn Jourdan  
Dr. Michael Lindell  
Dr. Michael Neuman  
Dr. Shannon Van Zandt  
Dr. George O. Rogers  
Dr. Andrew D. Seidel

Dr. Don A. Sweeney  
Dr. Dennis E. Wenger  
Dr. Walt Peacock

The following faculty frequently serve as supporting members on graduate student advisory committees.

Dr. Robin F. Abrams, Dept. of Architecture  
Dr. Timothy Lomax, Texas Transportation Institute  
Dr. Kathryn F. Turnbull, Texas Transportation Institute  
Professor David Woodcock, Dept. of Architecture

### **Employment Opportunities**

Graduates of the MUP degree program with an emphasis in General Planning frequently find internships and permanent employment with the following organizations

Agencies of State Government  
Agencies of the Federal Government  
County Planning Departments  
Law Firms  
Municipal Planning Departments  
Municipal Redevelopment Agencies  
Planning & Development Consulting Firms  
Public Housing Authorities  
Strategic Planning Divisions of Major Corporations

### **Reading List**

The following books are considered to be core reading for those students interested in the General Planning emphasis area:

Ethical Land Use: Principles of Policy and Planning  
*Timothy Beatley, John Wiley*

The Political Culture of Planning  
*J. Barry Cullingworth, Routledge, 1993*

The Practice of Local Government Planning  
*Frank So, Editor, International City Managers Association*

Classic Readings in Urban Planning: An Introduction  
*Jay M. Stein, McGraw Hill 1995*

### **Talk to a Professional**

Unsure if this is the right MUP emphasis area for you? Contact the Program Coordinator and she will put you in touch with a Texas A&M graduate whose specialty is General Planning.

**Description**

The Health Systems Planning emphasis is intended for students interested in professional careers in health planning, administration, and/or policy determination. The core and elective courses associated with the emphasis area help a student develop an understanding of:

- Health and disease in human populations;
- Effect of the environment of health;
- Organization of health services delivery from theoretical perspectives of health economics, health politics and legislation, and medical sociology; and
- Operation of the medical care system using managerial and analytical tools and techniques including organization behavior, operations research, fiscal management and statistical analysis; and,
- Strategic planning of health care systems.

**Required & Elective Courses**

The following core and elective courses are associated with the Health Systems Planning emphasis area:

E	PLAN	616	Analyzing Risk/Hazard & Public Policy
R	PLAN	630	Survey of Health Planning Processes
E	PLAN	631	Planning and Programming Health Systems
E	PLAN	633	Planning Healthy Communities
E	PLAN	634	Environmental Health Planning Admin.
E	PLAN	669	Urban Infrastructure Planning
E	PLAN	654	Planning Administration & Management

Note: Many other courses may be determined as suitable by a student's Graduate Advisory Committee.

**Faculty Involvement**

Departmental faculty members serving on committees include:

Dr. Sherry Bame  
Dr. Byoung-Suk Kweon  
Dr. Changshan Huang  
Dr. Jody Naderi  
Dr. Chanam Lee  
Dr. Don Sweeney  
Contact your chair for recommended faculty in other departments.

## **Employment Opportunities**

Graduates of the MUP degree program with an emphasis in Health Systems Planning frequently find internships and permanent employment with:

City and County Health Agencies  
Corporations  
Health Maintenance Organizations  
Health Service Providers  
Health Systems Consulting Organizations  
Hospitals  
Mental Health Organizations  
Nursing Homes  
Occupational Health Centers  
State and Federal Health Agencies

## **Reading List**

The following books are considered to be core reading for those students interested in the Health Systems Planning emphasis area:

Introduction to Health Services and Policy  
*Stephen J. Williams and Paul R. Torrens, Eds., Delmar Publishers, Inc., 1993*

Community Health Analysis: Global Awareness at the Local Level  
*Aspen Publishers, Inc. 1991*

Jonas's Health Care Delivery in the United States  
*Springer Publishing Company, 1995*

Health Services as a Growth Enterprise in the United States Since 1875  
*Odin W. Anderson, Health Administration Press, 1990*

## **Talk to a Professional**

Unsure if this is the right MUP emphasis area for you? Contact the Program Coordinator and she will put you in touch with a Texas A&M graduate whose specialty is Health Systems Planning.

### **Description**

America has a rich and colorful history represented by its landmarks, buildings, and landscapes. These precious assets reflect our history and give us a sense of our place in the continuum of life. But the threat to these cultural resources and historic treasures has never been greater. Each day, the relentless drive for land development and redevelopment threatens their very existence. The task of the preservation planner is the creation and implementation of a system to protect and enhance these resources.

*It is better to preserve than to restore and better to restore than to reconstruct. A.N. Didron, French Archaeologist, 1829.*

At Texas A&M University, MUP students are able to earn a certificate in **Historic Preservation** in addition to their regular degree diploma. The certificate identifies the graduate as an individual who has successfully concluded at least fifteen hours of coursework specifically directed towards the field of historic preservation. These courses are designed to give our graduates the skills necessary to excel in the workplace.

### **Required & Elective Courses**

The following required and elective courses are associated with the Historic Preservation emphasis area:

R	PLAN 643	Historic Preservation Law
E	LAND 660	Preservation Planning for Historic Landscapes
E	ARCH 646	Philosophy and Practice of Preservation
E	ARCH 646	Historic Preservation Theory and Practice
E	ARCH 647	Recording Historic Buildings
E	ARCH 648	Preservation Technology for Buildings
E	ANTH 605	Conservation of Archaeological Resources I
E	ANTH 606	Conservation of Archaeological Resources II
E	ANTH 608	Folklife and Material Culture
E	GEOG 605	Cultural Resources Management
E	RPTS 636	Travel and Tourism

**Faculty Involvement** The Department of Landscape Architecture & Urban Planning faculty listed below frequently chair and serve as members on graduate student advisory committees for those students who have selected the Historic Preservation emphasis area.

Dr. Elise Bright  
Dr. Dawn Jourdan  
Dr. Michael Neuman

Associate Professor Nancy Volkman  
Dr. Andrew Seidel

The following faculty serve as supporting members on MUP graduate student advisory committee:

Professor David Woodcock, Department of Architecture  
Assistant Professor Robin F. Abrams, Department of Architecture  
Dr. Alston Thoms, Department of Anthropology

## **Employment Opportunities**

Graduates of the MUP degree program with an emphasis in Historic Preservation frequently find internships and permanent employment with the following organizations:

Agencies of State Government  
Urban Redevelopment Agencies  
Agencies of the Federal Government  
Municipal and County Planning Departments  
Consulting Firms  
Historic Preservation Agencies

## **Reading List**

The following books are considered to be core reading for those students interested in the Historic Preservation emphasis area:

Smart States, Better Communities  
*Editors, National Trust for Historic Preservation, 1997*

Keeping Time: The History and Theory of Preservation in America  
*William J. Murtagh, Mainstreet Press, 1988*

The American Mosaic: Preserving a Nation's Heritage  
*Robert E. Stipe and Antoinette J. Lee, US/ICOMOS, 1987*

The Political Culture of Planning  
*J. Barry Cullingworth, Routledge, New York and London, 1993*

America's Downtowns: Growth, Politics, and Preservation  
*Richard C. Collins, Preservation Press, 1991*

Landscapes in History: The Western Tradition in Landscape Architecture  
*Philip Pregill and Nancy Volkman, Van Nostrand Reinhold, 1992*

## **Talk to a Professional**

Unsure if this is the right MUP emphasis area for you? Contact the Program Coordinator and he will put you in touch with a Texas A&M graduate whose specialty is Historic Preservation.

**Description**  
which at least economic, urbanism meets the the capacity to meet applies to all fields of and development.

Sustainable urbanism refers to a way of living in the metropolis in three equity principles are held in common: environmental, and social. Sustainable needs of the present, without undermining the needs of future generations. As such it urban and environmental planning, design,

The sustainable urbanism emphasis area draws on interdisciplinary research and methods to solve complex problems in the arenas of land development, the integrity of ecosystems, raising the quality of life in human settlements, and sustaining equitable economic gain. At Texas A&M, sustainability is taught and practiced in three areas: Sustainability as a process, market based approaches, and sustainability by demonstration.

**Required & Elective Courses**

The following core and elective courses are frequently taken by students opting for the Sustainable Development emphasis area:

E	PLAN	623	Develop/Planning in 3 <sup>rd</sup> World Countries
E	PLAN	633	Planning for Healthy Communities
E	PLAN	625	Geographic Information Systems
E	PLAN	641	Environmental Planning Administration
R	PLAN	669	Urban Infrastructure Planning
E	PLAN	673	Sustainable Transportation
E	PLAN	670	Public Transportation Planning
R	PLAN	675	Sustainable Urbanism
E	PLAN	689	Sustainable Transportation
E	LAND	620	Open Space Development
E	LAND	612	Site Development
E	LDEV	661	Development and Environment
E	LDEV	671	Sustainable Development
E	ARCH	624	Theory of Placemaking
E	ARCH	689	Site Planning
E	RENR	660	Environmental Impact Analysis
E	RENR	662	Environmental Law and Policy
E	RPTS	626	Social Impacts of Tourism

**Faculty Involvement** The Department of Landscape Architecture & Urban Planning faculty listed below frequently chair and serve as members on graduate student advisory committees for those students who have selected the Sustainable Development emphasis area.

- Dr. Samuel Brody
- Dr. Elise Bright
- Dr. Chris Ellis
- Dr. Chang Shan Huang

Dr. Dawn Jourdan  
Dr. Chanam Lee  
Dr. Ming Han Li  
Dr. Forster Ndubisi  
Dr. Michael Neuman  
Dr. Jon Rodiek  
Dr. Don Sweeney  
Dr. Shannon Van Zandt  
Prof. Tom Woodfin

The following faculty frequently serve as members on graduate committees:

Dr. Robin Abrams, Department of Architecture  
Dr. Phillip Tabb, Department of Architecture

### **Employment Opportunities**

Graduates of the MUP degree program with an emphasis in Sustainable Urbanism frequently find internships and permanent employment with the following organizations:

Agencies of state government  
Agencies of the federal government  
County planning departments  
Multidisciplinary consulting firms  
Municipal planning departments  
Municipal redevelopment agencies  
Nonprofit organizations (community development organizations, land trusts, environmental groups)  
Planning and development consulting firms  
Land developers

### **Reading List**

The following books are considered to be core reading for those students interested in the Sustainable Development emphasis area:

Nature Services  
*G. Dailey, et.al., Island Press, 1997.*

Natural Capitalism  
*P. Hawken, A. Lovins, and L.H. Lovins, Little, Brown and Company, 1999.*

Suburban Nation  
*Andres Duany and Elizabeth Plater-Zyberk, Farrar, Straus and Giroux, 2000.*

The Regional City: New Urbanism and the End of Sprawl  
*Peter Calthorpe and William Fulton, Island Press, 2000.*

### **Talk to a Professional**

Unsure if this is the right MUP emphasis area for you? Contact us and we will put you in touch with a Texas A&M graduate who is a Sustainable Development planner.

# MUP

EMPHASIS AREA

## *Urban Design and Community Development*

### **Description**

The Urban Design and Community Development emphasis area is intended for students interested in careers in urban and regional design and planning, community and neighborhood development, housing, infrastructure development and management, and land development.

Core and elective courses enable students to gain an understanding of:

- How communities are designed;
- The physical form and function of communities;
- How development projects fit into the larger urban context, and
- How to solve social, economic, and environmental problems with context sensitive design.

### **Required & Elective Courses**

The following core curriculum and elective courses are associated with the Urban Design and Community Development emphasis area.

R	PLAN 656	Housing and Community Development
E	PLAN 633	Planning Healthy Communities
E	PLAN 620	Conflict Resolution
E	ARCH 310	Site Planning
E	LAND 612	Site Development
E	LAND 620	Open Space Development I
E	LDEV 667	Design and Development Economy
E	LDEV 664	Market Analysis for Development

**Faculty Involvement** The Department of Landscape Architecture and Urban Planning faculty listed below frequently chair and serve as members on graduate student advisory committees for those students who have selected the Urban Design and Community Development emphasis area.

Dr. Elise Bright  
Dr. Chris Ellis  
Dr. Changshan Huang  
Dr. Marlynn May  
Dr. Jody Naderi  
Dr. Michael Neuman  
Dr. Andrew Seidel  
Dr. Shannon Van Zandt  
Professor Tom Woodfin

The following faculty frequently serve as members on graduate committees:

Dr. Robin Abrams, Department of Architecture  
Dr. Phillip Tabb, Department of Architecture

### **Employment Opportunities**

Graduates of the MUP degree program with an emphasis on the area of Urban Design and Community Development frequently find employment with:

- Municipal and county planning departments
- Community development and redevelopment agencies
- Public works departments
- Multidisciplinary planning and design consulting firms
- State, federal and international agencies

### **Reading List**

The following books are considered to be core reading for those students interested in Urban Design and Community Development emphasis area.

Suburban Nation

*Andres Duany and Elizabeth Plater-Zyberk, Farrar, Straus and Giroux, 2000.*

The Fractured Metropolis

*Jonathan Barnett, Harper Collins, 1996.*

Building the Dream: A Social History of Housing in America

*Gwendolyn Wright, MIT Press, 1990.*

The Regional City: New Urbanism and the End of Sprawl

*Peter Calthorpe and William Fulton, Island Press, 2000.*

### **Talk to a Professional**

Unsure if this is the right MUP emphasis area for you? Contact us and we will put you in touch with a Texas A&M graduate whose specialty is Urban Design and Community Development.

# MUP

EMPHASIS AREA

## *Transportation Planning*

### **Description**

Maintaining a viable transportation system is critical to the economic vitality and quality of life in metropolitan regions, small urban communities, and rural areas. The transportation system is the skeleton of the city. Indeed, before the city can exist, there must be trails to walk, a path to ride a bicycle, streets to drive a car, rails to operate a train, or an airport at which to operate an airplane. A city cannot function in the absence of a transportation system.

Traffic congestion, environmental degradation, and transportation inequality are challenging the ability of our transportation systems to meet the needs of many urban areas. A city cannot function well where transportation elements are present but are not planned and integrated into a larger unified system. The systematic failure of our city transportation components has exacted and continues to exact an enormous cost in terms of money, time, human resources, and the quality of life within our communities.

The Transportation Systems Emphasis Area is designed to help prepare the next generation of planners to meet these challenges. The emphasis area provides students with an understanding of the basic concepts and analytical methods of transportation planning, management and policy issues.

### **Required & Elective Courses**

The following courses are recommended for use with the Transportation Planning emphasis area;

R	PLAN 612	Transportation in City Planning
E	PLAN 670	Urban Public Transportation Planning
E	PLAN 673	Design for Sustainability
E	PLAN 674	Transportation System Analysis
E	PLAN 625	Geographic Information Systems
E	PLAN 626	Advanced GIS

The faculty members listed below frequently chair and serve as members on graduate advisory committees for those students who have selected the Transportation Planning emphasis area.

Dr. Kathryn F. Turnbull, Texas Transportation Institute  
Dr. Dennis Perkinson, Texas Transportation Institute  
Dr. Timothy Lomax, Texas Transportation Institute  
Dr. Lisa Weston

## **Employment Opportunities**

Graduates of the MUP degree program with an emphasis in Transportation Planning frequently find internships and permanent employment with the following organizations:

- Municipal planning departments
- County planning departments
- Regional councils of government
- Metropolitan planning organizations
- Public transit authorities
- State agencies
- Federal agencies
- Transportation planning consulting firms

## **Reading List**

The following books are considered to be core reading for those students interested in the Transportation Planning emphasis area.

Introduction to Transportation Systems  
*Joseph Sussman, Artech House, 2000.*

Urban Transportation Planning: A Decision Oriented Approach  
*Michael D. Meyer and Eric J. Miller, McGraw-Hill, 2<sup>nd</sup> Ed., 2001.*

The Geography of Urban Transportation  
*Susan Hanson, ed., Guilford, 1995.*

Public Transportation  
*George E. Gray and Lester A. Hoel, eds., Prentice Hall, 1992.*

Sustainability and Cities  
*Peter Newman & Jeffrey Kenworthy, Island Press, 1999.*

Essays in Transportation Economics and Policy  
*Jose-Gomez-Ibanez, William Tye & Clifford Winston, Brookings, 1999.*

## **Talk to a Professional**

Unsure if this is the right MUP emphasis area for you? Contact us and we will put you in touch with a Texas A&M graduate whose specialization is Transportation Planning.