



Texas Southern University School of Public Affairs

Urban Planning and Environmental Policy Department

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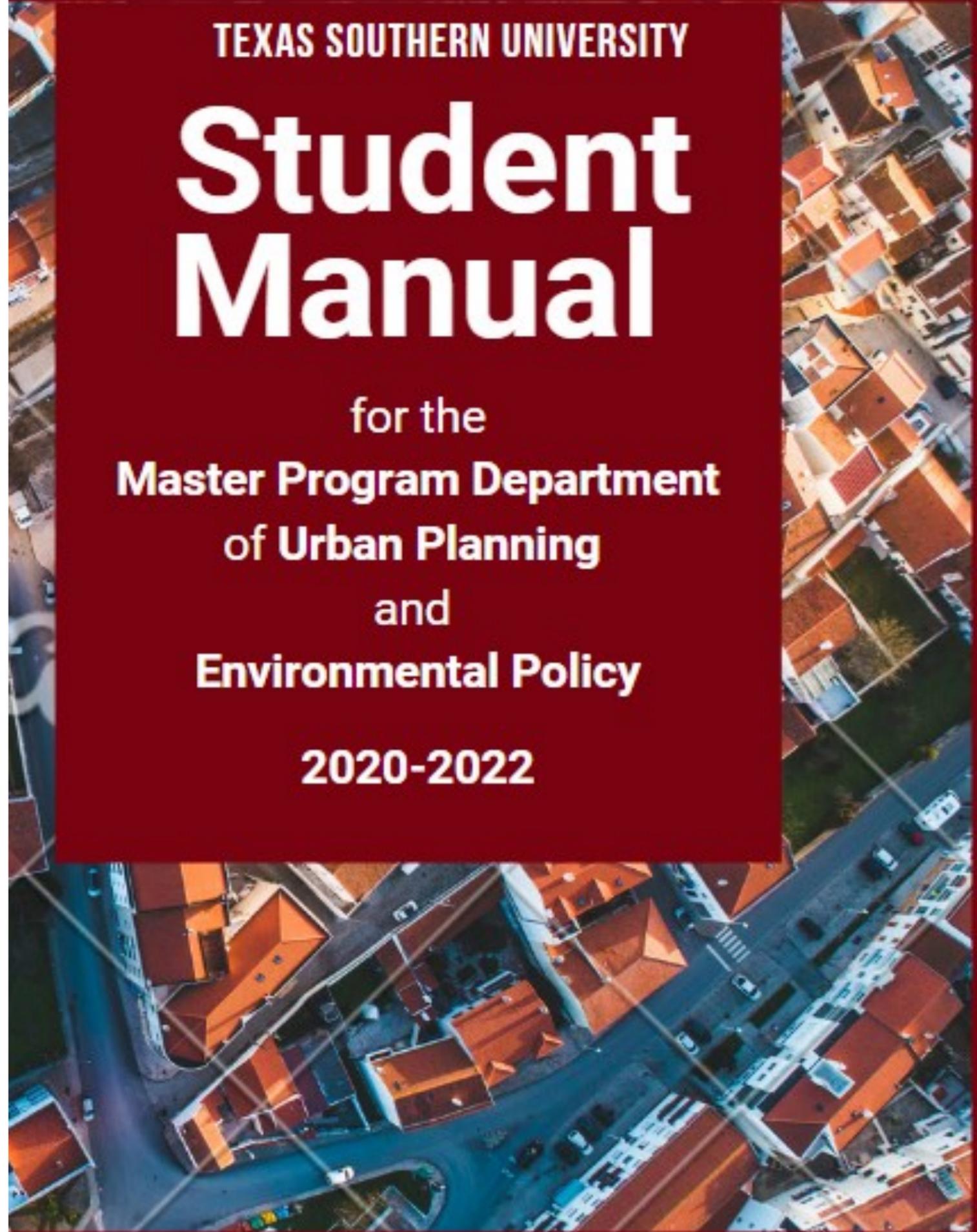


TEXAS SOUTHERN UNIVERSITY

Student Manual

for the
Master Program Department
of Urban Planning
and
Environmental Policy

2020-2022



Please find attached copies of the following links:

Graduate School Forms for Thesis:

APPROVAL OF THESIS TITLE <http://www.tsu.edu/academics/colleges-and-schools/the-graduate-school/pdf/approval-of-thesis-titte.pdf>

REQUEST FOR APPROAL OF THESIS/DISSERTATION COMMITTEE, TITLE, and ABSTRACT (includes Human Subjects) <http://www.tsu.edu/academics/colleges-and-schools/the-graduate-school/pdf/human-subj-animal-approval-form.pdf>

REQUEST FOR APPROVAL OF FACULTY FOR THESIS COMMITTEE <http://www.tsu.edu/academics/colleges-and-schools/the-graduate-school/pdf/request-for-thesis-approval-of-faculty-committee.pdf>

REQUEST TO SCHEDULE THESIS DEFENSE <http://www.tsu.edu/academics/colleges-and-schools/the-graduate-school/pdf/request-to-schedule-thesis-defense.pdf>

THESIS GUIDELINES <http://www.tsu.edu/academics/colleges-and-schools/the-graduate-school/pdf/thesis-guidelines.pdf>

As you matriculate through the program, knowing Senior Administrative Assistant, Mrs. Paula Eakins will be a key to your success. Mrs. Eakins is the first person you meet when you are on the 4th floor of PAB and will be your source of information

Mrs. Paula L. Eakins, MBA
Senior Administrative Assistant
Paula.eakins@tsu.edu
713-313-7595



We are proud of our MUPEP alumni. Many are working as professional planners with municipalities or in not-for-profit community development organizations, private real estate development firms and other entities. Others have gone on to pursue their doctoral degree. Our graduates are not hesitant to give back, please consider them a resource as you matriculate through the program.



Kareem Heshmat, AICP,
The Gunda Corporation



Naomi Walker
Austin Watershed Protection



Charles Young
City of Huntsville



Chanelle Fraizer
Harris County Children Assessment



Reyna Mayorga
County of El Paso



Andret Raymond
STAJs Consultant, LLC



James Jessup
Shell Oil Company



Joy Semien
Pursing Ph.D.

PROGRAM MISSION

The mission of the Master of Urban Planning and Environmental Policy (MUPEP) program is to offer a multi-racial and culturally diverse student body a sound professional education for the practice of urban planning. Whether desiring to become a planning generalist or a generalist with a specialty, students graduate from the MUPEP program with the skills and knowledge of equity, social justice, and sustainability. We prepare students to become planners who demonstrate critical, visionary, and utopian thinking with an ability to elicit, understand, and respectfully characterize community values within planning projects.

DEGREE REQUIREMENTS

The overall requirements for the MUPEP are: Completion of 48 credit hours, 24 of which will be core courses. In addition to the core requirements, students are required to take 12 hours in specialization courses. Students have the option to take their remaining 12 hours as electives or split the credits into 6 hours of electives and 6 hours of thesis work.

1. A degree plan must be prepared upon the completion of 18 hours of graduate course credit. Each student will consult with their academic advisor (assigned by the Program Coordinator) to prepare the degree plan. Example of Thesis and Non-Thesis options attached. Failure to have an approved degree plan may affect a student's ability to complete the degree requirements in a timely and efficient way.
2. Students currently have two options to satisfy the degree requirements: comprehensive exam/ internship or thesis. The details of each are outlined later in the document.

PROGRAM CURRICULUM

Total Credits Required: 48 Hours

| | Internship/Comp Exam | Thesis |
|-------------------|-----------------------------|------------------------|
| Core Requirements | 18 credits (6 courses) | 18 credits (6 courses) |
| Required Studio | 6 credits (2 courses) | 3 credits (1 course) |
| Specializations | 12 credits (4 courses) | 12 credits (4 courses) |
| Thesis | NA | 6 credit (2 courses) |
| Electives | 12 credits (4 courses) | 9 credit (3 courses) |
| Internship | Required | Optional |

| |
|---|
| INTERNSHIP |
| DATE INTERNSHIP REQUIREMENT MET: <input type="text"/> |
| Note: Duration of approved internship enrollment in the optional UPEP 795 Internship course can count as an elective (3 Hours). However, enrollment in UPEP 795 without an approved internship does not satisfy this requirement. |

| |
|---|
| ENGLISH REQUIREMENT: GRE Analytical Writing Score OR ENG 501 |
| Was student admitted with a GRE Analytical Writing Score that satisfied this requirement? |
| <input type="radio"/> YES <input type="radio"/> NO |
| If no, date ENG 501 requirement met: <input type="text"/> |

| |
|---|
| ANY OTHER REQUIREMENTS ESTABLISHED PER ADMISSION LETTER (list the specific requirement(s) and date(s) met: |
| |

| |
|--|
| ALL DEGREE REQUIREMENTS MUST BE COMPLETED AND STUDENT MUST APPLY FOR GRADUATION WITHIN SIX YEARS FROM THE SEMESTER OF ADMISSION |
|--|

I agree to fulfill the requirements for the Master's Degree as stated in this degree plan.

Student Signature: _____ Date: _____

DEGREE PLAN APPROVED BY (signature):

| | Signature | Date |
|--------------------------------|------------------|-------------|
| Academic Advisor | | |
| Department Chair | | |
| Dean, School of Public Affairs | | |
| Dean, Graduate School | | |



Internship
DEGREE PLAN FOR THE
MASTER OF URBAN
PLANNING AND
ENVIRONMENTAL POLICY

DATE COMPLETED: _____ GRADUATE CATALOG YEAR FOR PLAN: _____

| | |
|---|----------------|
| NAME (first, middle, last): | T-NUMBER: |
| CURRENT ADDRESS (#, street, apt#): | |
| CURRENT ADDRESS (city, state, and zip): | |
| PERMANENT ADDRESS (#, street, apt#): | |
| PERMANENT ADDRESS (city, state, and zip): | |
| CURRENT PHONE: | EMAIL ADDRESS: |

GRADUATE COURSE REQUIREMENTS: 48 Hours Required for Completion of Degree

Core Courses: 21 hours required

| Dept. | Course# | Grade | Term and Year | Dept. | Course# | Grade | Term and Year |
|-------|---------|-------|---------------|-------|---------|-------|---------------|
| UPEP | 703 | | | UPEP | 720 | | |
| UPEP | 705 | | | UPEP | 725 | | |
| UPEP | 709 | | | UPEP | 726 | | |
| UPEP | 719 | | | | | | |

Specialization Courses: 12 hours required

Name of Specialization:

| Required Courses for Specialization | | | | Courses from Program-Approved List of Additional Specialization Courses | | | |
|-------------------------------------|---------|-------|---------------|---|---------|-------|---------------|
| Dept. | Course# | Grade | Term and Year | Dept. | Course# | Grade | Term and Year |
| UPEP | | | | UPEP | | | |
| UPEP | | | | UPEP | | | |

Required Course for Non-Thesis Option: 3 hours required

| Dept. | Course# | Grade | Term and Year |
|-------|---------|-------|---------------|
| UPEP | 721 | | |

Elective Course: 2 hours required

| Dept. | Course# | Grade | Term and Year | Dept. | Course# | Grade | Term and Year |
|-------|---------|-------|---------------|-------|---------|-------|---------------|
| | | | | | | | |
| | | | | | | | |

| Required Course of Study | Internship/Comp Exam | Thesis |
|--|----------------------|-----------|
| UPEP:703 Planning History, Theory and Practice <i>Fall Offering</i> | 3 | 3 |
| UPEP:705 Introduction to Land Use Planning <i>Fall Offering</i> | 3 | 3 |
| UPEP:709 Principles of Planning Law <i>Spring Offering</i> | 3 | 3 |
| UPEP: 719 Plan Making and Implementation <i>Spring Offering</i> | 3 | 3 |
| UPEP:725 Introduction to Statistics <i>Fall Offering</i> | 3 | 3 |
| UPEP:726 Applied Planning Methods <i>Spring Offering</i> | 3 | 3 |
| Required Studio | | |
| UPEP:720 Planning Studio I <i>Fall Offering</i> | 3 | 3 |
| UPEP:721 Planning Studio II <i>Spring Offering</i> | | NA |
| Specialization Courses (four courses) | 12 | 12 |
| Thesis | 0 | 6 |
| Elective Courses (four courses) | 12 | 9 |
| Total | 48 | 48 |

Specialization Courses (12 hours)

In addition to core courses, all master students must take 12 hours of coursework in one of the following three specialization areas: Sustainable Environmental and Land Use Planning, Community Development and Housing, or Spatial Planning and Mobility.

Sustainable Environmental and Land Use Planning Specialization

The Sustainable Environmental and Land Use Planning specialization provides planners with conceptual and methodological skills to manage both the built and natural environments to promote sustainable and equitable urban development. Issues include: waste management, flooding and storm water, environmental pollution, land use planning, climate change, and environmental justice. Students pursuing this specialization must take these two required courses:

- UPEP 750: Urban Infrastructure Planning and Policy
- UPEP 761: Land Use and Environmental Planning

AND **must take 2** of the following four options:

- UPEP 730: Introduction to GIS in Urban Planning
- UPEP 776: Environmental Assessment
- UPEP 744: Public Participation in the Planning Process
- UPEP 767: Environmental Justice and Equity

Community Development and Housing Specialization

The Housing and Community Development specialization introduces students to the myriad of issues facing urban communities. Courses train students in the methods used to assess the potential need and impact of housing and community improvement projects and their impacts on the surrounding residents. Topics covered in this specialization include a basic overview of housing policy and the issues of affordability; the evolution and new approaches to community redevelopment; real estate and land valuation; infrastructure and its role in communities; project public participation and the decision-making process; and project evaluation. Students pursuing this specialization must take these two required courses:

- UPEP 740: Community Development in the Urban Millieu
- UPEP 742: Housing Policy: Context and Impact

AND **must take 2** of the following four options:

- UPEP 750: Urban Infrastructure Planning and Policy
- UPEP 744: Public Participation in the Planning Process
- UPEP 746: Introduction to Real Estate
- UPEP 748: Methods of Land Development Project Analysis

Spatial Planning and Mobility Specialization

The Proposed Spatial Analysis and Mobility Planning focuses on the coordination and visualization of the built environment and the impacts of land use policies. The specializations combine courses that allow students to identify development needs and issues and visualize clearly desired outcomes across functional areas. Included in the course are a progression of GIS, analytic and visualization tools that are standard to the Planning Profession. Site design, transportation and economic analysis courses provide the content that is under study. Student pursuing this degree must take these two required courses:

- UPEP 730: Introduction to GIS in Urban Planning
- UPEP 732: Application of GIS in Urban Planning

AND **must take 2** of the following four options:

- UPEP 713: Principles of Site Design
- UPEP 729: Urban Land Economics
- UPEP 780: Comparative International Topics in Transportation
- UPEP 732: Advanced Studies in GIS

ENGLISH REQUIREMENT: GRE Analytical Writing Score **OR** ENG 501

Was student admitted with a GRE Analytical Writing Score that satisfied this requirement?
 YES NO

If no, date ENG 501 requirement met:

ANY OTHER REQUIREMENTS ESTABLISHED PER ADMISSION LETTER (list the specific requirement(s) and date(s) met:

ALL DEGREE REQUIREMENTS MUST BE COMPLETED AND STUDENT MUST APPLY FOR GRADUATION WITHIN SIX YEARS FROM THE SEMESTER OF ADMISSION

I agree to fulfill the requirements for the Master's Degree as stated in this degree plan.

Student Signature: _____

Date: _____

DEGREE PLAN APPROVED BY (signature):

| | Signature | Date |
|--------------------------------|-----------|------|
| Academic Advisor | | |
| Department Chair | | |
| Dean, School of Public Affairs | | |
| Dean, Graduate School | | |



THESIS
DEGREE PLAN FOR THE
MASTER OF URBAN
PLANNING AND
ENVIRONMENTAL POLICY

DATE COMPLETED: GRADUATE CATALOG YEAR FOR PLAN:

| | | | |
|---|----------------------|----------------|----------------------|
| NAME (first middle last): | <input type="text"/> | T-NUMBER: | <input type="text"/> |
| CURRENT ADDRESS (#, street, apt#): | <input type="text"/> | | |
| CURRENT ADDRESS (city, state, and zip): | <input type="text"/> | | |
| PERMANENT ADDRESS (#, street, apt#): | <input type="text"/> | | |
| PERMANENT ADDRESS (city, state, and zip): | <input type="text"/> | | |
| CURRENT PHONE: | <input type="text"/> | EMAIL ADDRESS: | <input type="text"/> |

GRADUATE COURSE REQUIREMENTS: 48 Hours Required for Completion of Degree

Core Courses: 21 hours required

| Dept. | Course # | Grade | Term and Year | Dept. | Course # | Grade | Term and Year |
|-------|----------|-------|---------------|-------|----------|-------|---------------|
| UPEP | 703 | | | UPEP | 720 | | |
| UPEP | 705 | | | UPEP | 725 | | |
| UPEP | 709 | | | UPEP | 726 | | |
| UPEP | 719 | | | | | | |

Specialization Courses: 12 hours required

Name of Specialization:

| Required Courses for Specialization | | | | Courses from Program-Approved List of Additional Specialization Courses | | | |
|-------------------------------------|----------|-------|---------------|---|----------|-------|---------------|
| Dept. | Course # | Grade | Term and Year | Dept. | Course # | Grade | Term and Year |
| UPEP | | | | UPEP | | | |
| UPEP | | | | UPEP | | | |

Thesis Courses: 6 hours required

| Dept. | Course # | Grade | Term and Year |
|-------|----------|-------|---------------|
| UPEP | 797 | | |
| UPEP | 798 | | |

Elective Courses: 9 hours required in Elective Courses

| Dept. | Course # | Grade | Term and Year | Dept. | Course # | Grade | Term and Year |
|-------|----------|-------|---------------|-------|----------|-------|---------------|
| | | | | | | | |
| | | | | | | | |

Electives (12 credit hours)

UPEP courses taken that are *outside a student's specialization* may count as electives. In addition, graduate courses taken in other TSU departments can count as electives.

Current UPEP elective-only courses include:

- UPEP 718: Professional Communications In Planning
- UPEP 772: Climate Change's Impact Topics
- UPEP 727: Multivariate Analysis Method
- UPEP 774: Planning for Sustainable Waste Management
- UPEP 790, 791, & 792: Special Topics in Urban Planning & Environmental Policy
- UPEP 797 & 798: Thesis (for students pursuing the thesis option)
- UPEP 795: Internship (for students pursuing the internship/comp exam option)
- UPEP 769: Environmental Legislation and Policy
- UPEP 778: Pollution Control
- UPEP 785: International Development Planning
- UPEP 707: Comprehensive Physical Planning

Internship/Comprehensive Exam Overview

A. Internship

The internship/Exam option is designed for those going directly into practice and want to gain exposure in the field prior to graduation. Students enroll in UPEP 795 and identify an opportunity to work in a planning capacity over the course of 120 hours. A letter of offer is required that identifies responsibilities and the number of hours to be completed. At the completion of the internship, student are required to submit a report/project/journal reflective of lessons learned or internship accomplishments.

B. Comprehensive Exam

The comprehensive examination is administered on scheduled days during the months of March and October

A student is eligible to take the exam once he or she has:

- earned and maintained a 3.0 graduate GPA in Urban Planning and Environmental Policy courses and a cumulative GPA of 3.0
 - earned and maintained a 3.0 graduate GPA in Urban Planning and Environmental Policy courses and a cumulative GPA of 3.0
 - successfully completed all core course requirements, the only exception UPEP 720 and UPEP 709 may be taken in the concurrent semester as the exam.
 - no outstanding incompletes, and
 - has filled a degree plan with Graduate School.
- The exam is graded as pass/fail. A student is allowed two attempts, in consecutive semesters, to pass the exam. Students who are not successful on the second attempt, must then complete an intensive planning project to satisfy the requirement.

Thesis Overview

The thesis is traditional academic research. Depending on the nature of the specific research project, the study could involve historical materials, secondary sources, create primary data, and/or explorations of planning theory. Students earn 6 credits for thesis research: 3 credits in UPEP 888 and 3 credits in UPEP 889; both course sections must be taken.

Students writing theses should obtain a copy of the Thesis Guidelines Manual from the Graduate School and review related requirements, including those for formatting and referencing, at <http://www.tsu.edu/academics/colleges-and-schools/the-graduate-school/pdf/thesis-guidelines.pdf>. The Graduate School and Department of Urban Planning and Environmental Policy requires planning students to follow APA for formatting, style, and citations.

Thesis proposals must be reviewed and accepted by a faculty committee constituted according to requirements of the Graduate School. There are rules regarding the composition of the Thesis Committee, which must have at least four members. Two members of the committee must be UPEP faculty; the chair of the committee must be a member of the UPEP faculty. The Graduate School will appoint the fourth member, based upon suggestions from the chair/student. Students must submit the REQUEST FOR APPROVAL OF FACULTY FOR THESIS COMMITTEE to the Graduate School for approval of their committee.

UPEP 901 ADVANCED URBAN THEORY (3)

Interpretation and analysis of scientific information: examination of the chemistry of atmospheric, land and water environment, with emphasis on pollution encountered in urban and industrial sectors.

UPEP 902 ADVANCED PLANNING ANALYSIS (3)

Encompasses comparative planning and policies in transportation and compares various models of transportation in developed and developing countries. Examines the effects of and relationship between transportation and economic development.

UPEP 903 ADVANCED PLANNING ANALYSIS II STATISTICS (3)

Studies applied statistics and computing, inferential statistics; multivariate statistical methods; selecting the appropriate statistical test for analyzing bivariate relationships and procedures for more complex designs.

UPEP 941 RESEARCH COLLOQUIUM (3)

Seminars for doctoral students addressing issues of interests in research, teaching, and career development.

UPEP 977 INDEPENDENT STUDY (3)

Independent Study for doctoral degree seeking students.

UPEP 931 DISSERTATION I (1)

Supervised research and dissertation preparation. 1 credit

UPEP 933 DISSERTATION II (3) (6)

Supervised research and dissertation preparation. 3 credit



UPEP 772 CLIMATE CHANGE'S IMPACT ON ENERGY POLICY AND PLANNING (3)

Addresses climate change and energy resources issues in urban planning areas of housing, land use, transportation, and community development. Explores energy policy through an examination of energy markets and the energy policy impacts of federal, state and local government initiative.

UPEP 774 PLANNING FOR SUSTAINABLE WASTE MANAGEMENT (3)

Introduction to approaches for management of wastes at different jurisdictional levels. Examines solid wastes, food waste, hazardous wastes, and radioactive wastes. Considers issues of sustainable waste management in terms of associated environmental, economic and equity issues.

UPEP 776 ENVIRONMENTAL ASSESSMENT (3)

Introduces the principles, methods, and applications of environmental assessments. Focuses on the use of environmental information to inform planning decisions and public policies

UPEP 778 POLLUTION CONTROL (3)

Examines the technological and management options for controlling and preventing air, water, and solid waste pollution.

UPEP 780 COMPARATIVE INTERNATIONAL TOPICS IN TRANSPORTATION (3)

Encompasses comparative planning and policies in transportation and compares various models of transportation in developed and developing countries. Examines the effects of and relationship between transportation and economic development.

UPEP 785 INTERNATIONAL DEVELOPMENT PLANNING (3)

Examines institutions, strategies and challenges related to development issues for guiding the social and economic growth of developing countries.

UPEP 789 INDEPENDENT STUDY (3)

Independent study allows a master's degree student to explore a topic of interest under the close supervision of a faculty member. The course may include directed readings, applied work, or carrying out an independent research project.

UPEP 790/791/792 SPECIAL TOPICS IN URBAN PLANNING & ENVIRONMENTAL POLICY (3)

Special topics include courses that address a current or timely topic or that are known to be one time offerings. Special topics course offerings vary from term to term.

UPEP 795 INTERNSHIP (3)

An internship experience provides the student with an opportunity to explore career interests while applying knowledge and skills learned in the classroom in a professional planning setting. It also provides an opportunity to build professional networks.

UPEP 797/798 THESIS (3)

The Master's Thesis is an independent scholarly research project resulting in a substantive paper that involves original collection or treatment of data and/or results. The research is done under the direction of a faculty advisory committee.

UPEP 900 ADVANCED PLANNING THEORY AND PRACTICE (3)

Examines the intellectual and professional roots of contemporary planning theory and practice. Effort is directed toward analyzing these roots with an eye to stimulating new perspectives and concepts for a sustainable community orientation.

URBAN PLANNING AND ENVIRONMENTAL POLICY COURSE DESCRIPTIONS

UPEP 701 PLANNER'S GUIDE TO THE HISTORY OF CITY GROWTH AND DEVELOPMENT (3)

Examines the forces that have prompted urban development and shaped urban areas since the mid-nineteenth century from a planning perspective. Focuses on the relationship between the social, physical, economic, and political components of a city and their combined impact on contemporary trends in the urban arena.

UPEP 703 PLANNING HISTORY, THEORY AND PRACTICE (3)

Examines the collective history, intellectual heritage and procedural approaches shared by professionals working in contemporary planning practice. Addresses planning ethics.

UPEP 705 INTRODUCTION TO LAND USE PLANNING (3)

Introduction to the principles and practice of land use planning in the United States. Students learn about the planning and development process including reviewing site plans, developing master plans, revising development standards, and writing staff reports.

UPEP 707 COMPREHENSIVE PHYSICAL PLANNING (3)

Introduction to the principles and practice of physical planning in the United States. Workshop exercises, analyses, and readings are designed to provide a comprehensive and practical understanding of the physical planning and approval process, the elements of physical plans, and the data and analyses needed to prepare and review such plans.

UPEP 709 PRINCIPLES OF PLANNING LAW (3)

Introduction to the legal principles involved in the planning process local, state, and federal levels. Judicial precedents in land use controls and environmental protection are examined. Zoning, housing, eminent domain, and growth management, as well as other issues, are used to introduce principles of constitutional and administrative law.

UPEP 710 LAND USE CONTROL POLICY AND REGULATIONS (3)

This course provides an overview of land use regulation concepts, techniques and strategies. Students develop an understanding of the strengths and weaknesses of various land use controls by studying the range of tools used by local, state and federal governments.

UPEP 713 PRINCIPLES OF SITE DESIGN (3)

Focuses on the role of site planning in creating the built environment. Examines the environmental aspects of site conditions, such as hydrology, soils, and topography, and considers aspects of the built form in context of the local communities' goals and conditions. Introduces tools for presenting and analyzing site designs and other maps and plans.

UPEP 714 URBAN DESIGN AND PLANNING (3)

Discusses urban design as part of the planning process. Reviews current and historical ideas and practices for improving the urban environment through design.

UPEP 718 PROFESSIONAL COMMUNICATIONS IN PLANNING (3)

Provides opportunity for students to engage in applied planning communications through a variety of formats including verbal, digital, and written.

UPEP 719 PLAN MAKING AND IMPLEMENTATION (3)

This course introduces students to the plan making processes, policies and techniques for implementing public plans, such as comprehensive, strategic, and small area plans. Topics covered include public sector engagement, capital improvements programming and budgeting, and fiscal planning.

UPEP 720 PLANNING STUDIO I (3)

This is a capstone experience where students apply elements of the planning process to the development of a comprehensive plan, area plan, or policy for a specific community or neighborhood.

UPEP 721 PLANNING STUDIO II (3)

This is a capstone experience where students apply elements of the planning process to the development of a comprehensive plan, area plan, or policy for a specific community or neighborhood. (Required for non-thesis students)

UPEP 725 INTRODUCTION TO STATISTICS (3)

Introduction to applied statistics. Includes descriptive and inferential statistics, regression and correlation analysis, and computer-based analytic tools for planning analysis.

UPEP 726 APPLIED PLANNING METHODS (3)

Provides the opportunity for students to learn various methods and decision-making models that are used in the field. These methods include qualitative approaches, demographic analysis and forecasting, development of indexes and economic analysis. Also, introduced is research design, data collection protocols, and the dissemination of results.

UPEP 727 MULTIVARIATE ANALYSIS METHODS (3)

An applied introduction to multivariate statistical methods used to analyze land-use, environmental, and other large data sets.

UPEP 728 PLANNING TECHNIQUES IN POPULATION & ECONOMIC ANALYSIS (3)

This course focuses on quantitative methods in the analysis and projection of population, employment, transportation, and land use with an emphasis on translating results into policy implications.

UPEP 729 URBAN LAND ECONOMICS (3)

Introduces the concepts of urban economics, land markets, and locational decision making. Also discusses urban spatial structure and the political, social, economic, and other conditions that impact land uses and values.

UPEP 730 INTRODUCTION TO GIS IN URBAN PLANNING (3)

Introduces basic spatial analysis in the context of urban and environmental planning by geographic information systems.

UPEP 731 APPLICATIONS OF GIS IN URBAN PLANNING (3)

Provides the concept of advanced spatial analysis including network analysis, three-dimensional analysis, and GIS applications to both urban planning and environmental policy

UPEP 732 ADVANCED STUDIES IN GIS (3)

This class covers advanced GIS techniques and applications. It combines lectures, readings, discussions, and hands-on labs to graduate students with necessary trainings in GIS to build up advanced knowledge and develop sophisticated techniques required for research on a variety of urban planning and environmental policy analyses.

UPEP 740 COMMUNITY DEVELOPMENT IN THE URBAN MILIEU (3)

Explores the theory, history, methods and practice of community development.

UPEP 742 HOUSING POLICY: CONTEXT AND IMPACT (3)

Considers both historic and contemporary federal, state and local housing policy within U.S. and international settings. Discusses the social implications of housing policy; the roles of the public, private and non-profit sectors in the provision of housing; and the involvement of other actors that influence housing supply and demand.

UPEP 744 PUBLIC PARTICIPATION IN THE PLANNING PROCESS (3)

Students examine the roles of community organizing and meaningful inclusive public engagement in the planning process. They explore the planner's role in structuring opportunities for public participation as they learn about models for participation in local decision-making.

UPEP 746 INTRODUCTION TO REAL ESTATE (3)

An introduction to methods of financial analysis for real estate investment. Topics include methods of valuation, forecasting, computer modeling, and taxation and leverage structure. Emphasizes the financing of individual projects.

UPEP 748 METHODS OF LAND DEVELOPMENT PROJECT ANALYSIS (3)

Examines the land development decision-making process with a focus on learning skills to evaluate the impacts of new developments on the site and surrounding area. Students learn technical skills for reading site plans and evaluating development plans.

UPEP 750 URBAN INFRASTRUCTURE PLANNING AND POLICY (3)

Survey of infrastructure systems such as water, sewer, storm water, energy, transportation, and communications. Course considers the relationship between infrastructure, equity, land development, and population growth.

UPEP 752 SUSTAINABLE COMMUNITIES PLANNING (3)

Exploring urban planning issues through the sustainability lens, the course examines ways to coordinate goals of environment, economy, and equity at community, city, regional and state levels. Case studies of cities, regions and development projects are utilized.

UPEP 761 LAND USE AND ENVIRONMENTAL PLANNING (3)

Explores the concept of environmental sustainability through the practice of urban planning. Focuses on topics covering the natural and physical sciences and policies and planning for environmental decision-making. Examines major environmental issues including water, air, land, biodiversity, natural and human made disasters, and climate change.

UPEP 763 ENVIRONMENTAL PLANNING AND POLICY (3)

Examines contemporary environmental policy and practice and the institutional framework for establishing policy and programs. Analysis of case studies of environmental planning at the federal, state, and local levels.

UPEP 765 ENVIRONMENTAL PLANNING AND NATURAL RESOURCES MANAGEMENT (3)

Examines the problems related to resources management and environmental planning. Relationship between the physical environment and the quality of urban life. Global population impacts on local air pollution control and management.

UPEP 767 ENVIRONMENTAL JUSTICE AND EQUITY (3)

Discusses ethical considerations in environmental decision-making with an emphasis on questions of equity. Focuses on concepts of environmental and social justice including the history and development of the environmental justice movement in the United States and applied planning methods for studying claims of environmental injustice and promoting just sustainable development.

UPEP 769 ENVIRONMENTAL LEGISLATION AND POLICY (3)

Studies legal principles and institutions involved in protecting the environments, including air, water, and noise pollution.

UPEP 770 ENVIRONMENTAL MONITORING AND ANALYSIS (3)

Interpretation and analysis of scientific information: examination of the chemistry of atmospheric, land and water environment, with particular emphasis on pollution encountered in urban and industrial sectors.