

Doctoral Forms:

[Doctoral Matriculation Process](#)

[Degree Plan](#)

[Environmental Toxicology PhD. Degree Plan](#)

[Student Plan for Residency](#)

[Recommendation to Candidacy for Doctor of Education](#)

[Approval of Dissertation Title](#)

[Request to Schedule Dissertation Defense](#)

[Doctor of Education - ONLY - Guide for Writing Thesis/Dissertation Proposals](#)

[Approval for Human, Subject, and Animal](#)

[Request for Dissertation Approval of Faculty Committee](#)

Graduate Forms (Other)

[Graduation Application](#)

[Graduate Faculty Application](#)

[Petition for Change of Course](#)

[Petition for Change in Academic Status](#)

[Petition to Change Program](#)

[Transfer of Credit](#)

[Undergraduate in Graduate Courses](#)

[Certificate of Finance](#)

[Recommendation Form](#)

[Request to Update Application for Admission](#)

Guidelines:

[Important Dates](#)

[Dissertation Guidelines](#)

[Thesis Guidelines](#)

Forms Usage from application to matriculation in UPEP

[Masters/Doctoral Matriculation Guide \(PDF\) UPEP Guide](#)

[available Degree Plan \(PDF\) UPEP provided form.](#)

[Petition for Course Substi-](#)

[tution \(PDF\) Transfer of](#)

[Credit \(PDF\)](#)

[Petition for Change in Academic Status](#)

[\(PDF\) Petition to Change Program \(PDF\)](#)

TEXAS SOUTHERN UNIVERSITY

Student Manual

FOR THE

DOCTORAL PROGRAM

IN

URBAN PLANNING

AND

ENVIRONMENTAL

POLICY

2020-2022

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

DEGREE REQUIREMENTS

The overall requirements for the Doctor of Philosophy in Urban Planning and Environmental Policy are summarized as follows:

1. Completion of a total of fifty-four (54) credit hours. Of the 54 credit hours, twenty-one (21) credit hours are required core courses. In addition to the core requirements, students are required to take twelve (12) hours of their specialization and nine (9) hours of elective. The remaining credit hours are dissertation credits.
2. Of the total 54 credit hours, not more than six (6) non dissertation credit hours can be transferred into the program from another university. Such transferred credits must have been earned in a doctoral program and must be of grade "B" (3.0) or better.
3. Passing of the comprehensive examination.
4. Completion of residency requirement.
5. Presentation and acceptance of dissertation proposal.
6. Successful completion and oral defense of the dissertation.
7. Presentation of at least one paper at a national conference or publication in a refereed journal.

COMPREHENSIVE EXAMINATION

The purpose of the comprehensive examination is to test the student's level of understanding in the areas of urban and regional theory, planning theory, quantitative methods, and environmental planning and policy. This examination is designed to evaluate the student's technical, diagnostic, and evaluative abilities within selected areas related to planning. Students are assigned to take the examination after the completion of all PhD course work. Any student who fails the comprehensive examination will have only one (1) chance for a retake.

NUMBER OF TIMES COMPREHENSIVE CAN BE TAKEN

A candidate will be given two attempts to take and pass the Comprehensive Examination. A doctoral student who fails the comprehensive examination the first time may petition for a second examination. The petition must show a plan of action in which the petitioner will engage to enhance his/her chances for satisfactorily completing the examination that was not passed. The exam committee and Department Chair must approve the petition. A student who fails to pass the doctoral comprehensive exam or any part of it after the second attempt will be automatically dismissed as a student in the doctoral degree program.

DOCTORAL CANDIDACY

The doctoral student must satisfy the following requirements before he/she can be admitted to candidacy for the degree:

1. Be admitted unconditionally to the Doctor of Philosophy in Urban Planning and Environmental Policy (UPEP) degree program.
2. Satisfy the residency requirement of two consecutive semesters of full-time (9 credit hours) residence or an approved equivalence.
3. Satisfy the course requirements for the degree program in which he/she enrolled, including the forty-two (42) non-dissertation semester hours of approved graduate-level course work.
4. Pass the doctoral comprehensive examination.

DISSERTATION AND ORAL DEFENSE

The dissertation serves a number of purposes, among them, satisfying the academic community, the university, and the supervisory committee that the student is capable of undertaking and successfully completing independent, scholarly research on a problem of significance to urban planning and environmental policy. Hence, concerted work on the dissertation will not begin until the student has passed the comprehensive examination. A successful dissertation will require original research and will be expected to produce significant advances in knowledge of the field.

After achieving candidacy, the candidate in consultation with the advisor will select and submit for approval the names of members for a dissertation committee to the Dean of the Graduate School. The committee will consist of at least three graduate faculty members, inclusive of the dissertation chair. The Chair must be a faculty member from the UPEP Department.

In addition, the Dean of the School of Public Affairs will appoint a graduate school representative to the committee. When the dissertation proposal has been defended and approved the dissertation committee, the candidate will prepare a dissertation and upon its completion, give an oral defense before the committee. If the defense fails, the candidate must petition the Dean through his department for permission to make a second defense. A second defense will not be permitted within a period of one semester after a failure is recorded on the first attempt.

DISSERTATION

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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.

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.

DISSERTATION TITLES FOR THE PAST THREE YEARS

An Evaluation of the Drug Take-Back Program in Houston

An Examination of Public Safety Resources Aiding the Houston Fire Department Response Time to Improve Safety, Standardization and Sustainability of the Emergency Medical Service

Land Use and Pipeline Safety in Texas: Analysis of Onshore Pipeline Accidents to Explore the Impact of Land Use Planning on Pipeline Safety in Texas

The Impact of Tax Increment Financing of Property Values and Employment: Evidence from Houston, Chicago, and Dallas

Can online grocery shopping solve the food desert problem of 3rd Ward households with school aged children?

How does the World Bank Consider Sociocultural Sensitivity in its Post-Disaster Permanent Housing Project in Islamic Nations?

Develop Mechanisms for Affordable Housing Subsidy Programs in Saudi Arabia

Assessment of Saudi Families' Level of Satisfaction Toward Living in Multi-Family Housing Complex: The Dammam Housing Complex

An Assessment of Waste Management Facilities in Nigeria: The impact of waste disposal facilities on Public Health in Lagos

A Planner's Pyramid: Equity Based Model for Resilience in Community Redevelopment

The Impact of Oil and Gas Pipeline of Residential Property Values: A case study in the city of Houston

Planning for Effective Water Demand Management: An Assessment of Planning Strategies for Conservation of Residential Water Usage in Region H, Tx-A Case Study



RESIDENCY REQUIREMENT

A residency of at least one consecutive academic year, which entails a full load of three courses in two consecutive semesters or its equivalent, is required prior to scheduling qualifying exams. Once the residency requirements have been fulfilled, The *Student Plan for Residency* form must be completed and filed at the graduate school.

For those who are unable to pursue nine (9) credit hours in two consecutive semesters in one academic year. The only other option is a full load in Spring semester (9 hours), 6 credit hours in summer I. followed by 3 credit hours in summer II.

TIME LIMIT FOR THE COMPLETION OF THE DOCTOR OF PHILOSOPHY DEGREE

After being admitted to a program leading to the Doctor of Philosophy degree, a student will be allowed seven calendar years in which to complete all the program requirements. A student's Doctoral Degree Advisory Committee and the Dean of the Graduate School can approve, under extenuating circumstances, continuation in the doctoral degree program beyond the seven-year limit. The maximum time allowed to complete the doctoral program, including an approved extension, is nine (9) calendar years. This time limit does not include work performed as part of the requirements for the master's degree. Credits earned more than seven (7) years prior to the date of completion of doctoral degree requirements cannot count toward satisfying the doctoral degree requirements, unless a student has been given special permission by the Dean of the Graduate School.

CONTINUOUS ENROLLMENT

All graduate students engaged in independent study or in research related to the preparation of a thesis or dissertation must be enrolled at Texas Southern University for a minimum of three (3) semester hours during each semester or summer session in which the study or research occurs.

With the exception of students who must remove incomplete grades, all graduate students must be enrolled at Texas Southern University during the semester wherein degree program requirements are expected to be completed. The requirements include but are not limited to: the English Proficiency Requirement, the Comprehensive Examination in the major and/or minor areas, Foreign Language Examination, Thesis or Dissertation Examination, and Final Doctoral Examination. ([Enrollment 07-09](#))

Handbook. Students skipping more than one full semester but not more than one year must submit a readmit application for the semester after the semesters skipped but not to exceed three full semesters. If the student skips three full semesters, the graduate school may require at their discretion a new application. Before exceeding one year, students should check with their advisor and the graduate school to secure a re-admit plan of action.

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.

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.

STANDARDS OF PERFORMANCE

To continue in the program, a student must make reasonable and timely progress toward the degree in terms of course work completed and examinations. A determination that a student is not making satisfactory progress and should be terminated from the program may be made at several points in his or her program, including failure to achieve and maintain a doctoral GPA of at least 3.00, failure to pass twelve (12) credit hours within a twelve-month period, failure of the qualifying or comprehensive examinations, or failure to defend successfully a dissertation proposal or dissertation. In all such cases, a recommendation of dismissal must be made to the Admission Committee and Program Coordinator, both of whom will review the case and issue a final decision regarding termination from the program.

CURRICULUM SUMMARY FOR DOCTORATE OF URBAN PLANNING AND ENVIRONMENTAL POLICY

All doctoral students in urban planning and environmental policy will be required to take twenty-one (21) semester credit hours of core courses in three (3) areas (Sustainable Environmental and Land Use Planning, Community Development and Housing, Spatial Analysis and Mobility Planning) and participate in the doctoral research curriculum. The core curriculum is designed to provide all students with a general introduction to planning through analytical methods, planning techniques and environmental issues and policies. The core curriculum consists of twenty-one (21) hours as shown below:

Total Credits Required: 54 hours

Required Course of Study	Credits
<i>Planning Theory Requirements</i>	
UPEP 900: Advanced Planning Theory and Practice	3
UPEP 901: Advanced Urban Theory	3
<i>Methods and Planning Requirements</i>	
UPEP 902: Advanced Planning Analysis	3
UPEP 903: Advanced Planning Analysis II Statistics	3
<i>Environmental Policy Requirements</i>	
UPEP 763: Environmental Planning and Policy	3
UPEP 765: Environmental Planning and Natural Resources Management	3
UPEP 770: Environmental Monitoring and Analysis	3
Specialization Courses (four courses)	12
Elective Courses (3 courses)	9
Dissertation Courses	12
Total	54

IRB PROCESS:

If you plan to undertake any primary data collection, you must apply to the University Human Subjects'Committee to obtain IRB clearance prior to collecting the data (even with a question-naire).

The forms and all the necessary steps for applying for IRB clearance are available through the

Texas Southern University
Office of Research-Hannah Hall Suite 230
3100 Cleburne Street. Houston, TX 77004
Phone: 713-313-4301. Fax: 713-313-7598. (<http://www.tsu.edu/research>).

This permission does requiresome time, which should be built into your research plan. This permission must be obtained before you start collecting data. Failure to do so could nullify previous data collection efforts.

Note that to submit and IRB form, you must have completed all necessary IRB training. Specifics regarding the training and all other IRB information are available from the Office of Research.

- Dissertation Defense
- Dissertation Request for Oral Defense Approval form submitted in this section
- Dissertation Results of Oral Defense form submitted in this section.

GRADUATION

Urban Planning & Environmental Policy PhD. Program & Graduate School Forms and Deadlines

On the following pages are all the forms necessary to matriculate through the Doctoral process. You must complete all the forms required by the UPEP program and the Graduate School. When forms are inconflct, please utilize the forms as defined within this document, and approved by the UPEP doctoral coordinator.

Candidacy In place	Proposal submission to graduate school by	Defense scheduled two weeks prior to date	Dissertation Final Manuscript to graduate School	Semes-ter of Gradua-tion
Submitted byAugust 1 st	August 30 th Fall semester	March 30 th Spring semester.	April 30 th	Spring
Submitted byNovember 1 st	November 30 th Fall semester	June 30 th Summer I	June 30 th	Summer
Submitted byMarch 1 st	March 30 th Spring semester	October 30 th Fall semester	November 30 th	Fall

