DEPARTMENT OF ARCHITECTURE, URBAN PLANNING AND DESIGN

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Department Chair:
Michael Frisch

Professor:
Sungyop Kim, Ph.D.; Clara Irazabal-Zurita, Ph.D.

Associate Professors:
Michael Frisch, Ph.D., A.I.C.P.; Jacob A. Wagner, Ph.D., A.I.C.P.

Assistant Professor:
Stephanie Frank, Ph.D.

Associate Teaching Professor:
John Eck, M.Arch., R.A.

Adjunct Faculty:
Ruben Alonso; Judi Bauer; Christopher Brewster, J.D., A.I.C.P.; Denise DiPiazzo; Dominic Musso; Sara Copeland; Jon Birkel;

Administrator:
Stella Szymanski

Professor Emerita:
Joy D. Swallow, M.Arch., F.A.I.A.

Department Description
The Department of Architecture, Urban Planning and Design has three degree programs to choose from.

One degree program is a B.A. in Urban Planning and Design. This accredited degree program is a four-year degree and can be completed at UMKC in its entirety.

The second degree program leads to a degree in one of the following professional areas: architecture, landscape architecture and interior architecture. This track is a two-year program, offered in conjunction with Kansas State University’s College of Architecture, Planning and Design.

The third degree program is a B.A. in Urban Studies. The urban studies program prepares students for careers dedicated to understanding the city and improving the life of urban societies. The program provides students with analytical skills vital to the study of the city and urban life. Working to fulfill UMKC’s mission of urban engagement, the program and its students actively participate in community partnerships.

UMKC is an urban university, and architecture, urban planning and design is consistent with our vision for our community and region. Kansas City is a great urban laboratory. Few American cities have the planning and design tradition of Kansas City. We think this sets us apart, and places the students within a professional community with unmatched resources, whether one is studying architecture, interior architecture, landscape architecture or urban planning and design.

As the United States population continues to grow and is concentrated in metropolitan areas, urban planning and design is becoming a societal imperative. Planners address diverse public issues affecting where people live, work, and play; where they shop and receive health care; how they get from place to place; what our communities look like; and how we use our resources.
Financial Aid
Many scholarships and student financial aid opportunities are available. Every year approximately 80 percent of our students have some form of scholarship. For students who qualify, UMKC can be a great resource for scholarship assistance. Contact the UMKC Financial Aid Office, phone: (816) 235-1154, website: http://www.umkc.edu/finaid for scholarship information.

Student Activities
The department supports two student organizations.

Planning and Design Students (PDS) is a student organization for students studying Urban Planning and Design. The students interact with the local APA (American Planning Association (http://www.planning.org/)) chapter in a variety of activities. A group of students attend the national conventions that are held in various locations around the country every year.

The American Public Works Association (http://www.apwa.net/) (APWA) is a student organization that consists of a multidisciplinary group (i.e. engineering, geosciences, public administration) from across the campus.

Faculty
John Eck Associate Teaching Professor of Architecture; B.Arch. (Kansas State University); M.Arch. (University of Virginia); R.A.

Stephanie Frank 1 Assistant Professor of Urban Planning and Design; M.A. (University of Maryland); Ph.D (University of Southern California).

Michael Frisch 1, Chair, Associate Professor of Urban Planning and Design; M. City Planning (Massachusetts Institute of Technology); Ph.D. (Rutgers University); A.I.C.P.

Clara Irazabal-Zurita 1,2 Professor of Urban Planning and Design, Director of the Latinx and Latin American Studies Program; M.S.(Central University of Venezuela); M.Arch and Ph.D. (University of California at Berkeley).

Sungyop Kim 1,2 Professor of Urban Planning and Design; M. Urban and Regional Planning (University of Hawaii); Ph.D. (University of Washington).

Jacob A. Wagner Associate Professor of Urban Planning and Design; B.A.,M.S. (University of Oregon); Ph.D. (University of New Orleans).

1 Members of UMKC Graduate Faculty
2 Members of UMKC Doctoral Faculty

Undergraduate
Undergraduate Degrees:
- Architectural Studies Major (http://catalog.umkc.edu/colleges-schools/arts-sciences/academic-departments-programs/architecture-urban-planning-design/architectural-studies-major/)
- Bachelor of Arts in Urban Planning and Design (http://catalog.umkc.edu/colleges-schools/arts-sciences/academic-departments-programs/architecture-urban-planning-design/)
- Bachelor of Arts in Urban Studies (http://catalog.umkc.edu/colleges-schools/arts-sciences/bachelor-of-arts-urban-studies/)
- Minor in Urban Studies (http://catalog.umkc.edu/colleges-schools/arts-sciences/minor-urban-studies/)

Graduate
Graduate Programs (http://catalog.umkc.edu/colleges-schools/arts-sciences/academic-departments-programs/architecture-urban-planning-design/historic-preservation-grad-cert/)
- Graduate Certificate in Historic Preservation (http://catalog.umkc.edu/colleges-schools/arts-sciences/historic-preservation-grad-cert/)

Architectural Studies Courses
ENV-DSN 110 The Meaning Of Architecture Credits: 3
Architecture is a visual and physical expression of civilization. This course will introduce to the student an understanding and appreciation of architecture and our built environment through a broad examination of cultural and aesthetic paradigms. May not be taken for credit by students enrolled in the Architectural Studies curricula.
ENV-DSN 201 Environmental Design Studio I Credits: 4
Foundation studies introducing the principles, processes and vocabularies of environmental design. Instruction in two and three dimensional visualization of objects and spaces. Instruction in the use of instrument-aided drawing, freehand drawing and model building to represent and communicate design ideas at different scales of observation.

ENV-DSN 202 Environmental Design Studio II Credits: 4
Continuation of ENV-DSN 201.
Prerequisites: ENV-DSN 201.

ENV-DSN 203 Survey of the Design Professions Credit: 1
Overview of the design professions. Comparative study of the roles of the architect, interior architect, interior designer, landscape architect, and planner; their working methods, collaborative endeavors, and interaction with consultants and specialists. Description of career paths, educational alternatives, licensure, and professional organizations.

ENV-DSN 248 Fundamentals of Architectural Technology Credits: 3
Instruction in the fundamentals of architectural technology with emphasis on the concepts and principles necessary for developing an integrated approach to building design.

ENV-DSN 250 History of the Designed Environment I Credits: 3
This course will present an overview of the developments in architectural, urban, landscape and interior design which have had an impact on the physical environment from ancient times through the medieval up to the gothic period. A central objective of the course is to gain an understanding of why these developments occurred and how the needs and aspirations of a given time were manifested in physical form.

ENV-DSN 251 History of the Designed Environment II Credits: 3
This course will present an overview of the developments in architectural, urban, landscape and interior design which have had a consequential impact on the physical environment of the Western world from the Italian Renaissance (starting in the 15th century) up to the present day.

ENV-DSN 252 History of the Designed Environment III Credits: 3
The history of the designed environment from the mid-18th century to the present.

ENV-DSN 301 Architectural Design Studio I Credits: 5
Instruction in architectural design focusing on the application of elements and principles of form and space in design. Instruction in the use of techniques for visually representing design ideas.
Prerequisites: ENV-DSN 202.

ENV-DSN 302 Architectural Design Studio II Credits: 5
Instruction in architectural design focusing on the synthesis of basic social, functional, technical, and aesthetic factors in design. Continued instruction in techniques for visually representing ideas.
Prerequisites: ENV-DSN 301.

ENV-DSN 347 Structural Systems in Architecture I Credits: 4
Introduction to structure as a building system. Overview of contemporary structural systems and heir components, including wood, timber, steel, concrete, masonry, and hybrid structures. Discussion of building code requirements for structure, general guidelines for building structures, including appropriate application, and methods for schematic estimation of structural member sizing. Basic understanding of how gravity and lateral forces are propagated through a structural frame from load to building foundation. Recommended preparation: PHYSICS 210.
Prerequisites: MATH 110 or MATH 120 or higher.

ENV-DSN 433 Building Construction Systems in Architecture I Credits: 3
In this lecture course, students develop an understanding of how materials and systems assembly reinforce and extend the intentions of the designer as well as an understanding of the strategies and techniques for integration and coordination of the building components.
Prerequisites: ENV-DSN 248.

Urban Planning Design Courses
UPD 203 GIS For Urban Planning Credits: 3
This introductory level GIS course is designed to expose planning students to Geographical Information Systems (GIS). Students will learn basic concepts and theories of GIS and applications of GIS software with hands-on experience. Students will also learn how to search for demographic, socio-economic, land use, transportation, and geospatial data, and how to use such data for their academic research and professional planning work with GIS. Students will apply GIS to the multiple scales of planning work.

UPD 210 Visual Communication for Urban Design Credits: 4
This course introduces visual communication techniques used in professional city planning and urban design.

UPD 260 History Of Planning And Urban Design Credits: 3
An overview of planning history with an emphasis on the 19th and 20th centuries. The historic framework will include urban history, the rise and development of urban planning, urban design, and social theory and how these areas have affected the shape of our cities.
UPD 280 Land Use Planning Credits: 3
This course explores the basic principles of plan making, land use development and regulation. Students are introduced to contemporary planning and policy issues. Including land use conflicts and alternative models for sustainable planning, design and management. Students will learn how to develop a land use plan using Geographic Information Systems (GIS) and other design tools. An introductory GIS course (UPD 203) is highly recommended.

UPD 300 Quantitative Planning Methods And Techniques Credits: 3
Statistical analysis and other analytic techniques of data gathering. Data and problems framed from complex, real-world situations. Competence in firsthand research; survey design; case study method; data gathering methods such as observation, open-ended interviewing and questionnaires.
Prerequisites: MATH 110 or higher; or ALEKS score of 61 or higher; or ACT MATH sub-score of 28 or higher, or SAT MATH sub-score of 660 or higher.

UPD 310 Planning And Design Studio I Credits: 4
This Urban Planning + Design studio course will introduce methods for analyzing urban spaces at the site and neighborhood level. Students will actively solve problems related to the physical planning of cities and communities while continuing to develop abilities in methods of written, oral and graphic presentation.
Prerequisites: ENV-DSN 202 or equivalent.

UPD 312 Planning And Design Studio II Credits: 4
Studio instruction in urban planning and design focusing on the synthesis of land use analyses, regulatory reviews, urban design issues, and public participation facilitation. Continued instruction in techniques for visually presenting planning and design ideas.
Prerequisites: UPD 310.

UPD 320 Planning Theory And Practice Credits: 3
This course examines contemporary urban planning and design practice. Theories about planning practice and related case studies will be the basis of this course. Topics covered will include the definition of urban planning, the idea of the "public realm," planning/design expertise and the rational model, the role of diversity, public participation, communicative planning, advocacy and equity planning, ethics comprehensiveness and the limits of planning. The course will include assignments that will build student's ability to write quick and analytical assessments, often required in planning practice. Students will be required to attend public planning forums in and around the region.

UPD 340 Neighborhood And Community Development Credits: 3
Course provides a comprehensive introduction to the field of community development and neighborhood planning. The development of theoretical models that explain neighborhood change and history in the U.S. will serve as the basis. Issues explored include: community organizing, social movements, federal and state policies, and the role of planning organizations and community development corporations in neighborhood revitalization.

UPD 400 Advanced GIS For Urban Planning Credits: 3
This advanced level GIS course is designed to expose students to high level GIS techniques and geospatial analyses in urban planning. Students will learn advanced theories and geographic information tools with hands-on experiences. Students will have an opportunity to apply their knowledge and skills in GIS to a real-world planning project in class.
Prerequisites: UPD 203 or UPD 403 or equivalent.

UPD 403 GIS for Urban Planning Credits: 3
The introductory level GIS course is designed to expose graduate students to Geographical Information Systems (GIS). Students will learn basic concepts and theories of GIS and application of GIS software with hands-on experience. Students will also learn how to search for demographic, socio-economic, land use, transportation, and geospatial data.

UPD 410 Planning and Design Studio III Credits: 4
Instruction in problem analysis and plan development for defined urban or suburban location with multiple constituencies.
Prerequisites: UPD 312.

UPD 411 Professional Practice I Credit: 1
A seminar preparing students for professional practice in urban planning + design including the preparation of a professional resume and portfolio.

UPD 412WI Planning and Design Studio IV Credits: 4
Capstone course for Urban Planning and Design students to engage in a real-world planning project. Students demonstrate planning knowledge and research capacity, and experience professional practice environments with a client.
Prerequisites: UPD 410.

UPD 413 Professional Practice II Credit: 1
A continuation of professional practice seminar addressing issues of professional writing in Urban Planning and Design practice.
The course provides fundamental theories, methods, and contemporary issues in transportation planning. The topics covered in this course include the transportation planning process, transportation systems, travel demand analysis, and policy issues such as the linkage between land use and transportation, urban transportation finance, social and environmental justice, transportation and environmental impacts, and traffic congestion.

The course provides a survey of major issues in the field of historic preservation and heritage studies from a planning perspective. Will focus primarily on the built environment of the United States, as well as world heritage sites and international perspectives. The course will include the urban planning techniques used for preserving historic buildings, neighborhood and districts, as well as some of the landmark legal decisions and legislation that have shaped heritage preservation practice in the U.S. Recommended Preparation: UPD 260.

The built environment does not exist in a vacuum. Cities operate within broad ecological processes. Effective environmental planning can protect important natural resources while providing for a higher quality of life for urban residents. As a survey course in a subfield of urban planning, this course introduces students to environment planning approaches and techniques.

Introduction to legal procedures basic to urban planning; including legal, constitutional, legislative, and administrative concepts, controls, and land-use regulations.

Contemporary issues of urban redevelopment, with an emphasis on American cities, will be examined. Redevelopment processes recently completed or underway in the greater Kansas City region will be the subject of a case study and a theoretical review by each student.

Students will explore housing in cultural, design, and historical terms and examine contemporary American housing policy.

Urban planning work experience off-campus with an approved professional, Government, or non-profit agency sponsor. A contract specifying the expected product of the internship is required between the student, agency, and faculty coordinator.

Prerequisites: UPD 203.

Intensive reading and/or research in an area selected by the student in consultation with the instructor.

Advanced independent research and analysis in urban planning. Topics and methods used in research, to be established by student and academic supervisor prior to enrollment.

The course provides a survey of the history of urban planning and design with emphasis on the nineteenth and twentieth centuries in the United States. The course also teaches basic historic research methods.

Intensive reading and/or research in an area selected by the student in consultation with the instructor.

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This course introduces graduate students to quantitative methods in urban planning analysis. Topics include relating built form to function, demographic forecasting, economic impact analysis, trip generation, and housing market dynamics.

Prerequisites: STAT 235.
UPD 5700 Advanced Planning Theory & Practice Credits: 3
Exploration of contemporary planning theory and practice, including planning knowledge, skills, values, and ethics.

UPD 5710 Historic Preservation Studio Credits: 3
Studio instruction in historic preservation planning focusing on research, context, evaluation, policy, and plan creation for historic resources.

UPD 5740 Advanced GIS for Urban Planning Credits: 3
This advanced level GIS course is designed to expose graduate students to high level GIS techniques and geospatial analysis in the urban planning context. Students will learn data management skills in GIS and advanced geoprocessing tools with hands-on experiences. Students will also have an opportunity to work on a real world GIS project as part of course requirements.
Prerequisites: UPD 203.

UPD 5742 Transportation Planning Credits: 3
This course provides fundamental theories, methods, and contemporary issues in transportation planning. The topics covered in this course include the transportation planning process, transportation systems, travel demand analysis, and policy issues such as the linkage between land use and transportation and environmental impacts, and traffic congestion.

UPD 5743 Introduction to Historic Preservation Credits: 3
The course introduces the history and theory of historic preservation through a survey of major issues in the field from a planning perspective. The course focuses on preservation through cultural, social, historical, legal, policy, and economic lenses, primarily in the United States.

UPD 5744 History of the Built Environment Credits: 3
Survey of the built environment concentrating on nineteenth and twentieth century design in the United States.

UPD 5745 Historic Preservation Methods Credits: 3
Exploration of historic preservation methods, including survey, documentation, policy, and management approaches used in practice.

UPD 5746 Urban Environmental Planning Credits: 3
Urban environmental planning examines ecological change due to urbanization. It looks at ways to measure and demonstrate ecological change at the site, neighborhood, and regional scales. Students incorporate environmental ideas and policies into plans developed for a client.

UPD 5747 Urban Redevelopment Credits: 3
This course examines techniques of urban redevelopment within urban planning and real estate. Graduate students learn about the development process, real estate markets, techniques of development finance and local policy approaches to urban redevelopment incentives.

UPD 5750 American Housing Credits: 3
Students will explore housing in cultural, design, and historical terms and examine contemporary American housing policy.

UPD 5790 Historic Preservation Internship Credits: 3
Off-campus work experience with an approved professional, government, or nonprofit agency sponsor.
Prerequisites: UPD 5743.

Urban Studies Courses

URBAN ST 101 Introduction To Urban Studies Credits: 3
Introduction to Urban Studies is a lecture and discussion course that provides the undergraduate student with an overview of the interdisciplinary field of urban social science. The student who successfully completes this course will have a broad understanding of the major issues, vocabulary, basic methods, and prominent scholars in urban studies. We will explore current events of relevance, including the opportunities and problems facing major cities in the United States including Kansas City.

URBAN ST 346 Urban Latin America Credits: 3
Introduction, overview, and analysis of major contemporary urban issues in Latin America.

URBAN ST 495 Urban Studies Internship Credits: 1-6
Students obtain directed practical experience working with non-profits, governments, or private enterprises. Duties will vary based on contractual agreement between the student, host organization, and the professor.

URBAN ST 499WI Urban Studies Seminar Credits: 3
This is the capstone course in the Urban Studies Program and is required for majors in the junior/senior year. Students critique urban research and prepare a paper and an oral presentation on an approved topic.