

PLANNING, DESIGN AND CONSTRUCTION

PDC

**School of Planning, Design and Construction
College of Agriculture and Natural Resources**

- 100 Introduction to the Built Environment**
Fall, Spring. 1(2-0)
Overview of the fields of construction management, interior design, landscape architecture and urban and regional planning. Offered first ten weeks of semester.
- 120 Introductory Digital Graphic Communications**
Spring, Summer. 2(1-2)
Basic and fundamental communications to present digital renderings in various forms using digital software.
- 403 Introduction to Domicology: Sustainable Built Environment**
Spring. 3(3-0) P: Completion of Tier I Writing Requirement R: Open to juniors or seniors or graduate students.
The lifecycle of structures. Causes and impacts of structural abandonment, and sustainable tools, policies, and practices to address it
- 420 Advanced Digital Graphic Communications**
Spring, Summer. 3(3-0) P: PDC 120 or approval of school R: Open to juniors or seniors or graduate students.
Advanced skills for digital graphic communications. Digital rendering using advanced graphic software programs.
- 460 Green Roofs and Walls**
Fall. 2(2-0) Interdepartmental with Fisheries and Wildlife and Geography and Horticulture. Administered by Horticulture. P: HRT 203 or FW 101 or GEO 206 or PDC 120 or EGR 100 R: Open to juniors or seniors or graduate students.
Green roof and wall design and installation practices including plant species and substrates. Environmental impact, ecosystem services, integration with other environmental practices. Influence of economics, public policy, and industry organizations on the implementation of green roofs on a wide scale. Multidisciplinary nature of planning and implementation of successful green roof and wall projects.
- 491 Special Topics in Planning, Design and Construction**
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 8 credits in all enrollments for this course. RB: Completion of Tier I Writing Requirement
Selected topics that integrate content across construction management, interior design, landscape architecture and urban and regional planning.

- 493 Internship in Planning, Design and Construction**
Fall, Spring, Summer. 1 to 4 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open to juniors or seniors in the School of Planning, Design and Construction. Approval of school; application required.
Supervised professional experience in agencies or businesses related to the student's major field of study.
- 803 Advanced Domicology: Sustainable Built Environment**
Fall, Spring, Summer. 3(3-0) RB: A previous degree or experience in urban planning, construction management, or real estate development is helpful, but not required. R: Open to graduate students or lifelong graduate students.
Advanced study of the lifecycle of structures. Causes and impacts of structural abandonment, and sustainable tools, policies, and practices to address it. Faculty-guided/student-led research and outreach on a selected Domicology topic.
- 853 Real Estate Finance and Commercial Development**
Fall, Spring, Summer. 3(3-0) RB: A bachelor's degree and work experience relating to the built environment R: Open to graduate students or lifelong graduate students.
Essential real estate finance concepts, tools and performance metrics to build complete project proposals. Commercial, mixed-use development team projects.
- 858 Land Use Planning and Housing**
Fall, Spring, Summer. 3(3-0) R: Open to graduate students or lifelong graduate students.
Relationship between housing, society, and the economy. Land use planning tools and process. Impact of land use planning on housing development. Housing design, development process, and performance metrics.
- 859 Construction Management and Real Estate Case Studies**
Fall, Spring, Summer. 3(3-0) RB: A bachelor's degree and work experience relating to the built environment R: Open to graduate students or lifelong graduate students.
Construction management concepts and practices related to real estate development projects, followed by a series of real estate development case studies covering multiple types of projects.
- 878 Redevelopment and the Climate Resilient City**
Fall, Spring, Summer. 3(3-0) R: Open to graduate students or lifelong graduate students. Not open to students with credit in UP 488.
Connection between federal, state and local policies in the practice of urban resilient redevelopment. Best practice techniques for land redevelopment and climate change adaptation for planning, design and construction professionals.

- 901 Integrated Approach to Sustainable Planning, Design and Construction**
Fall, Spring. 3(3-0) RB: A degree recommended in Construction Management, Architecture, Urban Planning, Interior Design or related field. R: Open to graduate students in the School of Planning, Design and Construction.
Integrated approach to planning, design, and construction for development of sustainable built environment.
- 990 Special Problems in Planning, Design, and Construction**
Fall, Spring, Summer. 1 to 6 credits. A student may earn a maximum of 6 credits in all enrollments for this course. R: Open only to graduate students in the School of Planning, Design, and Construction. Approval of department.
Individual study in construction management and related Built Environment areas.
- 992 Advanced Research Methods in Planning, Design and Construction**
Fall, Spring. 3(3-0)
Current areas and topics of research in planning, design, and construction. Analysis of existing research, and development of preliminary proposal.
- 999 Doctoral Dissertation Research**
Fall, Spring, Summer of even years. 1 to 24 credits. A student may earn a maximum of 36 credits in all enrollments for this course. R: Open to doctoral students in the School of Planning, Design and Construction.
Doctoral dissertation research.