

DESIGN, CONSTRUCTION, AND PLANNING (PH.D.)

Program Information

The Department of Design, Construction and Planning offers a Doctor of Philosophy degree. The department also offers Doctor of Philosophy degrees with the following specializations: historic preservation, urban and regional planning, landscape architecture, construction management, interior design, and geographic information systems.

Degrees Offered

Degrees Offered with a Major in Design, Construction, and Planning

- Doctor of Philosophy
 - without a concentration
 - concentration in Architecture
 - concentration in Construction Management
 - *optional second concentration in Geographic Information Systems*
 - *optional second concentration in Hydrologic Sciences*
 - concentration in Geographic Information Systems
 - concentration in Historic Preservation
 - *optional second concentration in Geographic Information Systems*
 - concentration in Interior Design
 - *optional second concentration in Geographic Information Systems*
 - concentration in Landscape Architecture
 - *optional second concentration in Geographic Information Systems*
 - concentration in Urban and Regional Planning
 - *optional second concentration in Geographic Information Systems*

Requirements for these degrees are given in the Graduate Degrees (<http://gradcatalog.ufl.edu/graduate/degrees/>) section of this catalog.

Courses

Architecture Departmental Courses

Code	Title	Credits
ARC 5040	Introduction to Themed Environments	3
ARC 5041	Design and Documentation of Themed Environments	3
ARC 5042	Fabrication and Execution for Themed Environments	3
ARC 5043	Integration Practices for Built Environments	3
ARC 6044	Development and Operations for Themed Environments	3
ARC 6045C	Project Development Studio for Themed Environments	6
ARC 6116	Drawing toward Architecture	1-2
ARC 6212	Topics in Phenomena and Architecture	3
ARC 6228	Film and Architecture	3
ARC 6241	Advanced Studio I	1-9
ARC 6242	Research Methods	3

ARC 6281	Professional Practice	3
ARC 6311C	Building Information Modeling	3
ARC 6355	Advanced Studio II	6
ARC 6356	Advanced Studio III	6
ARC 6357	Advanced Topics in Architectural Design	3
ARC 6399	Advanced Topics in Urban Design	3
ARC 6505	Architectural Structural Systems: Wood, Steel, and Concrete	4
ARC 6512	Structural Modeling	3
ARC 6611	Advanced Topics in Architectural Technology	3
ARC 6621	Graduate Environmental Technology 2	3
ARC 6642	Architectural Acoustic Design Laboratory	3
ARC 6643	Architectural Acoustics	3
ARC 6670	Lighting Design Seminar	3
ARC 6680	Architecture Energy and Ecology	3
ARC 6685	Life Safety, Sanitation, and Plumbing Systems	3
ARC 6686	LEED for Sustainable Design and Construction	3
ARC 6705	Graduate Architectural History 3	3
ARC 6773	Strains of Modernism	3
ARC 6793	Advanced Topics in Regional Architecture	3
ARC 6821	Preservation Problems and Processes	3
ARC 6883	Vernacular Architecture & Sustainability	3
ARC 6911	Architectural Research	1-6
ARC 6912	Architectural Research II	1-6
ARC 6913	Architectural Research III	1-6
ARC 6933	Sustainable Site Design	3
ARC 6934	European Approach to Sustainable Design	3
ARC 6940	Supervised Teaching	1-5
ARC 6971	Research for Master's Thesis	1-15
ARC 6979	Master's Research Project	1-10

Construction Management Departmental Courses

Code	Title	Credits
BCN 5470	Construction Methods Improvements	3
BCN 5618C	Comprehensive Estimating	3
BCN 5625	Construction Cost Analysis	3
BCN 5705C	Project Management for Construction	3
BCN 5722	Advanced Construction Planning and Control	3
BCN 5729	Design-Build Delivery Methods	3
BCN 5737	Advanced Issues in Construction Safety and Health	3
BCN 5776	International Construction Business Management	3
BCN 5778	Facilities Operation and Maintenance	3
BCN 5789C	Construction Project Delivery	3
BCN 5874	Equipment and Methods for Heavy Construction	3
BCN 5885	Methods and Management for Heavy Construction	3
BCN 5905	Special Studies in Construction	1-5
BCN 5949	Graduate Construction Management Internship	1-3
BCN 5957	Advanced International Studies in Construction	1-4
BCN 6036	Research Methods in Construction	3
BCN 6558C	Building Integrated Renewable Energy Systems	3

BCN 6580	High-Performance Green Building Delivery Systems	3
BCN 6583	Sustainable Housing	3
BCN 6584C	Building Energy Modeling	3
BCN 6585	Sustainable Construction	3
BCN 6586	Construction Ecology and Metabolism	3
BCN 6641	Construction Value Engineering	3
BCN 6748	Construction Law	3
BCN 6785	Construction Information Systems	3
BCN 6905	Directed Independent Study in Construction	1-3
BCN 6933	Advanced Construction Management	1-5
BCN 6940	Supervised Teaching	1-3
BCN 6971	Research for Master's Thesis	1-15
FES 6705	Communications in Emergency Management	3
FES 6724	Fire and Emergency Services Response Planning	3
FES 6726	Hazard Mitigation and Preparedness	3
FES 6735	International Emergency/Disaster Management	3
FES 6736	Homeland Security and Emergency Management	3
FES 6786	Research Methods in FES	3
FES 6806	Disaster Response and Recovery	3
FES 6826	Emergency Services - Disaster Planning	3
FES 6827	Business Continuity and Disaster Planning	3
FES 6836	Impacts of Natural and Man-made Disasters on Buildings	3
FES 6916	Research for Master's Report	3
FES 6940	Practicum in FES	1-3
FES 6971	Research for Master's Thesis	1-6
ICM 5905	Special Studies	1-3
ICM 6420	Commercial Management and Cost Control	3
ICM 6440	Construction Value Management	3
ICM 6680	Principles of International Sustainable Construction	3
ICM 6682	Construction Ecology and Metabolism	3
ICM 6684	High-Performance Green Building Delivery Systems	3
ICM 6710	Construction Human Resource Management	3
ICM 6716	Construction Productivity and Methods Improvement	3
ICM 6750	Managing Construction Information Technology	3
ICM 6761	Advanced Planning, Scheduling, and Logistics	3
ICM 6762	Construction Risk Management	3
ICM 6770	Advanced Project Safety Management	3
ICM 6775	Manufactured Construction Processes	3
ICM 6905	Directed Independent Study in International Construction	1-3
ICM 6910	Supervised Research	1-3
ICM 6930	Construction Communication and Research	3
ICM 6934	International Construction Research	1-6

Interior Design Departmental Courses

Code	Title	Credits
IND 5106	History of Interior Design I	3
IND 5136	History of Interior Design II	3
IND 5212C	Architectural Interiors I	5
IND 5227C	Advanced Architectural Interiors I	6
IND 5231C	Architectural Interiors II	5

IND 5326	Color Theory Planning and Practice	3
IND 5427C	Interior Design Construction Documents	4
IND 5434C	Interior Lighting	3
IND 5454C	Advanced Interior Design Detailing and Construction Documents	4
IND 5466	Interior Environmental Technology	3
IND 5508	Business and Professional Practices for Interior Designers	3
IND 5633	Readings in Design Studies	3
IND 5641	Environment and Behavior	3
IND 5937	Current Topics in Interior Design	1-3
IND 6639	Methods of Interior Design Research	3
IND 6906	Independent Studies and Readings	1-3
IND 6939	Creativity Applied	3
IND 6940	Supervised Teaching	1-5
IND 6941	Interior Design Internship	2-4
IND 6971	Research for Master's Thesis	1-12

Landscape Architecture Departmental Courses

Code	Title	Credits
LAA 5331	Site Design Methodologies	3
LAA 6231	Landscape Architecture Theory	3
LAA 6322	Project Management for Landscape Architects	4
LAA 6342	Landscape Architecture Criticism	3
LAA 6382	Ecological and Environmental Policy	3
LAA 6525L	Advanced Landscape Construction Design	4
LAA 6656C	Advanced Landscape Architectural Design	1-6
LAA 6713	Cultural Landscapes	3
LAA 6905	Directed Study	1-3
LAA 6931	Water Conservation through Site Design and Green Roofs	3
LAA 6935	Gardens of the World	3
LAA 6941	Supervised Internship	3
LAA 6971	Research for Master's Thesis	2-6
LAA 6979	Terminal Project	1-6

Urban and Regional Planning Departmental Courses

Code	Title	Credits
URP 6007	Survey of Urban and Regional Planning	3
URP 6042	Urban Economy	3
URP 6059	Community Engagement	3
URP 6061	Planning Administration and Ethics	3
URP 6100	Planning Theory and History	3
URP 6131	Land Use Planning Law	3
URP 6132	Growth Management Seminar	3
URP 6203	Planning Research Design	1-3
URP 6223	Introduction to Urban Analytics	3
URP 6224	Intermediate Urban Analytics	3
URP 6231	Quantitative Data Analysis for Planners	3
URP 6270	Introduction to Planning Information Systems	3
URP 6271	Automation for Geospatial Modeling and Analysis	3
URP 6272	Urban Spatial Analysis	3
URP 6274	GPS for Planners: Introduction to Global Positioning System	1
URP 6275	Intermediate Planning Information Systems	3

URP 6276	Internet Geographic Information Systems	3	DCP 6716	Cultural Resource Management	3
URP 6277	Land Use Visioning and Analysis	3	DCP 6718	Current Topics in Historic Preservation	3
URP 6278	Web Mapping and Visualization	3	DCP 6730	Preservation Policy	3
URP 6280	3D Geospatial Modeling and Visualization	3	DCP 6905	Independent Study	1-3
URP 6341	Urban Planning Project	1-12	DCP 6931	Special Topics in Design, Construction, and Planning	1-4
URP 6409	Sustainable Community Development	3	DCP 6943	Cultural Resource Survey	3
URP 6421	Environmental Land Use Planning and Management	3	DCP 6971	Research for Master's Thesis	1-9
URP 6424	Sustainable Urbanism in the Americas	3	DCP 6979	Master's Research Project	1-6
URP 6428	Advanced Environmental Planning	3	DCP 7790	Doctoral Core 1: Paradigms and Theories of Inquiry	3
URP 6429	Natural Resources Planning and Management	3	DCP 7794	Doctoral Core 4: Research Assessment and Professional Preparation	1
URP 6445	Planning for Climate Change	3	DCP 7911	Doctoral Core 2: Foundations of Research Design and Methodologies	3
URP 6526	Health and the Built Environment	3	DCP 7940	Supervised Teaching	1-3
URP 6541	Economic Development Planning	3	DCP 7949	Professional Internship	1-5
URP 6542	Urban Land Economics	3	DCP 7979	Advanced Research	1-12
URP 6603	Development Review	3	DCP 7980	Research for Doctoral Dissertation	1-15
URP 6610	International Development Planning	3	DCP 7981	Doctoral Core 3: Academic Writing for Publication	3
URP 6645	Sustainable Urbanism in Europe	3			
URP 6646	International Perspectives in Urban and Regional Planning	3			
URP 6711	Transportation and Land Use Coordination	3			
URP 6716	Transportation Policy and Planning	3			
URP 6743	Affordable Housing Law	3			
URP 6745	Housing, Public Policy, and Planning	3			
URP 6821	Transportation and Land-Use Modeling	3			
URP 6855	Urban Form in Cities throughout the Americas	3			
URP 6871	Planning and Design I	3			
URP 6872	Planning and Design II	3			
URP 6880	Defensible Space and CPTED in Urban Design	3			
URP 6887	Advanced Defensible Space in Urban Design	3			
URP 6905	Exploration and Directed Study	1-4			
URP 6910	Supervised Research	1-5			
URP 6920	Colloquium	1			
URP 6931	Topical Seminar	1-4			
URP 6941	Urban Planning Internship	1-3			
URP 6971	Research for Master's Thesis	1-15			
URP 6979	Master's Research Project	1-6			

College of Design, Construction, and Planning Courses

Code	Title	Credits
DCP 6205	Ecological Issues in Sustainability and the Built Environment	3
DCP 6212	Sustainable Design Issues: Ecology, Architecture, and Planning	4
DCP 6217C	WELL Building Strategies (WELL Practicum)	6
DCP 6218	Developing Sustainable Projects	3
DCP 6221	Economics of Sustainability in the Built Environment	3
DCP 6230	Integrated Sustainable Development Studio	6
DCP 6301	Sustainable Planning and Design Studio	6
DCP 6701	World Heritage Research and Stewardship	3
DCP 6710	History and Theory of Historic Preservation	3
DCP 6711C	Built Heritage: History and Materials Conservation I	3
DCP 6712C	Built Heritage: History and Materials Conservation II	3
DCP 6714C	Built Heritage Documentation I	3
DCP 6715	Built Heritage Documentation II	3

Student Learning Outcomes

Design, Construction and Planning (Ph.D.)

SLO 1

Knowledge

Each student will apply in-depth knowledge from their individual discipline.

SLO2

Skills

- Employ appropriate research methodologies.
- Each student will apply the critical thinking skills required of doctoral faculty and researchers.
- Communicates effectively both orally and in writing.

SLO3

Professional Behavior

Display ethical behaviors, and professional conduct in research.