

ARCHITECTURE (ARC)

Architecture (ARC) Courses

ARC 5011. Introduction to Architecture and Design. (1-0) 1 Credit Hour.

Prerequisite: Enrollment in the Master of Architecture Degree 3 program. A lecture course introducing ideas and concepts associated with architecture and design. This course has Differential Tuition. Course Fee: DL01 \$25.

ARC 5133. Professional Architectural Practice and Ethics. (3-0) 3 Credit Hours.

Prerequisite: Enrollment in the MArch program. A study of ethical and legal business practices and conventions relating to architectural practice and the building industry. Course material considers ethics, codes and regulations, project delivery options, budgeting and scheduling, construction methodologies and corresponding administration systems, liability, and contract documents, as they inform the professional practice of architecture. (Formerly titled "Professional Practice and Construction in a Global Setting.") This course has Differential Tuition.

ARC 5156. Introductory Design Studio I. (0-18) 6 Credit Hours.

Prerequisite: Enrollment in the Master of Architecture 3 program. Architectural design as a theoretically informed and creative process. Provides students the opportunity to acquire fundamental design skills for the creative and practical design of architectural environments. Projects consider spatial experience, contextual response, building form and structure, and the development of representational skills. (Formerly ARC 5196. Credit cannot be earned for both ARC 5156 and ARC 5196.) This course has Differential Tuition.

ARC 5163. Current Issues and Topics in Contemporary Architecture. (3-0) 3 Credit Hours.

A critical survey of the leading issues, theories, writings, projects, and built works of architecture over the past 20 years. May be repeated for credit once when topics vary. This course has Differential Tuition.

ARC 5166. Introductory Design Studio II. (0-18) 6 Credit Hours.

Prerequisite: ARC 5156, ARC 5913, ARC 5923, ARC 5943, and enrollment in the Master of Architecture Degree 3 program. Provides students the opportunity to acquire design skills in the application of building technology and material use through the consideration of building structure and envelope. Projects consider spatial experience, programming, organizational concepts, building-to-site relations, and tectonics. This course has Differential Tuition.

ARC 5173. Architectural Theory and Criticism. (3-0) 3 Credit Hours.

A survey of contemporary architectural theory and criticism from 1950 to the present with a concern for diverse cultural and social contexts. May be repeated for credit once when topics vary. (Formerly COA 5173. Credit cannot be earned for both ARC 5173 and COA 5173.) This course has Differential Tuition.

ARC 5176. Introductory Design Studio III. (0-18) 6 Credit Hours.

Prerequisite: ARC 5166, ARC 5623, and enrollment in the Master of Architecture 3 program. Architectural design as a theoretically informed and creative process. Provides students the opportunity to acquire design skills in the application of building technology and material use through the consideration of building structure and envelope. Projects of increasing complexity considering architectural order, precedent, urban and non-urban contexts, building performance, structure and detailing. Continues investigation of traditional and digital media. This course has Differential Tuition.

ARC 5193. Principles of Global Architecture: Place, Context & Culture. (3-0) 3 Credit Hours.

This course is a study of global, historical, and cross-cultural architectural principles with a concern for environment and sustainability. Consideration is given to the political, social, ecological, economic, and/or technological context that informs the work, as well as the diverse social and spatial patterns, values, and needs of those who occupy and use buildings. This course has Differential Tuition.

ARC 5203. History and Theory of Preservation. (3-0) 3 Credit Hours.

An introduction to the history, philosophy, methodologies, and practices of historic preservation and restoration. This course has Differential Tuition.

ARC 5233. Architectural Surveys and Measured Drawings. (3-0) 3 Credit Hours.

A survey of documentation and interpretation of sites and buildings and graphic recording techniques. This course has Differential Tuition.

ARC 5403. Historic Preservation Seminar. (3-0) 3 Credit Hours.

An advanced study of selected topics in architecture, design, preservation, and planning. May be repeated once for credit when topics vary. This course has Differential Tuition.

ARC 5423. Preservation Laws and Environmental Policy. (3-0) 3 Credit Hours.

A survey of the laws and regulations that affect preservation of the built environment nationally, regionally, and locally. Includes considerations of fundamentals of legal protection for and regulation of historic cultural resources in light of contemporary attitudes toward the historic environment, and the economic bases of the use of historic buildings and sites examined in terms of contemporary social and cultural attitudes that determine effective strategies of preservation action. (Formerly titled Legal and Economic Aspects of Preservation.) This course has Differential Tuition.

ARC 5463. Heritage Resilience, Adaptation and Mitigation. (3-0) 3 Credit Hours.

Advanced study and critical analysis of risk management planning tools for heritage sites including best practices for mitigation, adaptation, and preparedness in the face of climate change and disaster risks. The course also addresses the role of heritage in sustainable development. This course has Differential Tuition.

ARC 5483. GIS for Heritage Planning. (3-0) 3 Credit Hours.

Course provides the opportunity to acquire an understanding of the principles of spatial analysis using geographic information systems (GIS). Emphasis is placed on analyzing cultural resources and urban and cultural landscapes with GIS tools. Topics may include mapping density and changes over time, cultural mapping, etc. This course has Differential Tuition.

ARC 5533. Contemporary Materials in Architecture and Design. (1-6) 3 Credit Hours.

A survey and examination of contemporary materials from multiple perspectives. Includes consideration of the characteristics and applications of existing, new, and emerging materials. Includes design project. This course has Differential Tuition.

ARC 5543. Advanced Digital Design and Fabrication Technologies. (3-0) 3 Credit Hours.

An in-depth examination of contemporary digital design and fabrication technologies in architecture and other design disciplines. This course has Differential Tuition.

ARC 5603. Advanced Seminar in Architectural History. (3-0) 3 Credit Hours.

An in-depth study or survey investigating selected topics in architectural history. May be repeated once for credit, when topics vary. This course has Differential Tuition.

ARC 5613. American Architecture. (3-0) 3 Credit Hours.

A survey of the development of the architecture of the United States from the earliest human settlements to the present. This course has Differential Tuition.

ARC 5623. History of Modern Architecture. (3-0) 3 Credit Hours.

Prerequisite: Enrollment in the Master of Architecture 3 program. Study of the social, aesthetic, theoretical, technical, cultural, Western and non-Western, and professional forces that form, shape, and constitute architecture of the modern era. This course has Differential Tuition.

ARC 5643. Modern Architecture of Mexico. (3-0) 3 Credit Hours.

A survey of the architecture and urbanism of Mexico from Independence in 1821 to the present. This course has Differential Tuition.

ARC 5713. Environmental Architecture and Sustainability. (3-0) 3 Credit Hours.

A study of history and theory of environmentally sustainable design. Includes the review of the general discourse of sustainability and consideration of the tools and techniques employed to produce sustainable architectural environments. (Formerly ARC 5153. Credit cannot be earned for both ARC 5713 and ARC 5153.) This course has Differential Tuition. Course Fee: DL01 \$75.

ARC 5723. Applications in Sustainable Design. (3-0) 3 Credit Hours.

An introduction to the integration of environmental performance criteria in architectural design. Includes the application of simulation methods, design decision support tools, rating systems (e.g., LEED), and consideration of building energy consumption patterns, conservation strategies, solar shading, solar access, integration of electric and daylight, and the life cycle analysis of materials and systems. This course has Differential Tuition.

ARC 5724. Advanced Building Technology and Sustainability. (3-3) 4 Credit Hours.

An advanced study of building technology, sustainability, and building performance. Includes consideration of sustainable techniques, technologies, building enclosures, and environmental systems for new and existing buildings. Addresses issues of systems integration and performance optimization. (Formerly ARC 5513 and ARC 5733. Credit can only be earned for one of the following: ARC 5513, ARC 5733, or ARC 5724.) This course has Differential Tuition.

ARC 5743. Building Performance Modeling and Simulation. (3-0) 3 Credit Hours.

An introduction to the integration of building performance modeling and simulation into the design process to improve building performance in new and existing buildings. Includes consideration of building energy consumption patterns, conservation strategies, solar shading, solar access, and integration of electric lighting and daylighting. This course has Differential Tuition.

ARC 5753. Advanced Daylighting Design and Analysis. (3-0) 3 Credit Hours.

A study of the design, analysis methods, and technologies of architectural daylighting. Includes issues of the visual environment, daylight availability, lighting and energy use, lighting and thermal comfort, and the integration of electric lighting and daylighting. This course has Differential Tuition.

ARC 5763. Post-Occupancy Evaluation of Buildings. (3-0) 3 Credit Hours.

The course provides knowledge of the process of assessing the performance and user satisfaction of built environments after they have been occupied. This course has Differential Tuition.

ARC 5773. Environmental Life Cycle Assessment of Buildings. (3-0) 3 Credit Hours.

An introduction to the principles and assessment methods of the Life Cycle Assessment for new and existing buildings. This course has Differential Tuition. Course Fee: STSE \$30; SAP1 \$25.

ARC 5783. Architectural Lighting Design. (3-0) 3 Credit Hours.

Provides students with the opportunity to obtain in-depth knowledge of architectural lighting systems, fundamental scientific principles governing light in the built environment, the technologies, materials, and strategies for control of light in buildings, and basic methods of analysis. This course has Differential Tuition.

ARC 5793. High Performance Building Enclosure. (3-0) 3 Credit Hours.

This advanced course explores enclosures in high-performance building design, emphasizing sustainable practices and innovative technologies. This course has Differential Tuition.

ARC 5813. History and Theory of Urban Form. (3-0) 3 Credit Hours.

Considers the origins and characteristics of cities, their current condition, and emerging theories of urban design. This course has Differential Tuition.

ARC 5913. Introduction to Construction Materials and Concepts. (3-0) 3 Credit Hours.

Prerequisite: Enrollment in the Master of Architecture 3 program. Introduction to concepts and skills fundamental to structures, construction, building enclosure, sustainability, and interior environments, along with the analysis and selection of materials, components, and assemblies. Provides an introduction to the historical role of materials in architectural and interior design. This course has Differential Tuition.

ARC 5923. Principles of Structures. (3-0) 3 Credit Hours.

Prerequisite: Enrollment in the Master of Architecture 3 program. Introduction to architectural structures including the principles and systems of structural materials that consider the spatial, structural, sustainable, and aesthetic qualities possible in the articulation of structure through architectural design. (Formerly titled "Introduction to Structures I.") This course has Differential Tuition. Course Fee: DL01 \$75.

ARC 5933. Structures. (2-3) 3 Credit Hours.

Prerequisite: ARC 5923 and enrollment in the Master of Architecture 3 program. Continued introduction to architectural structures that considers the physical principles that govern classical statics and strength of materials, the graphical and mathematical design of structural systems, and the role of structural articulation in the design of buildings. (Formerly titled "Introduction to Structures II.") This course has Differential Tuition.

ARC 5953. Environmental Systems. (2-3) 3 Credit Hours.

Prerequisite: ARC 5943 and enrollment in the Master of Architecture 3 program. Light and sound as design considerations in building design including the natural and artificial systems that support them. Course deals with illumination, electrical design, and acoustics. (Formerly titled "Introduction to Environmental Systems II.") This course has Differential Tuition.

ARC 6003. Morphology of the Architecture of the Southwest. (3-0) 3 Credit Hours.

An examination of environmental conditions, cultural traditions, social patterns, building conventions, and aesthetic intentions that have influenced the architecture and planning of communities of South Texas, the Southwest, and the North Mexican borderlands. (Formerly ARC 6123. Credit cannot be earned for both ARC 6003 and ARC 6123.) This course has Differential Tuition.

ARC 6013. Theories and Philosophies of Regionalism. (3-0) 3 Credit Hours.

A survey of the discourse of architectural regionalism. Includes consideration of regionalist theory and practice in the twentieth century, regional planning, critical regionalism, bioregionalism, sustainability, and issues such as modernity, globalization, cultural identity, authenticity, place, and tradition. (Formerly ARC 5213. Credit cannot be earned for both ARC 6013 and ARC 5213.) This course has Differential Tuition.

ARC 6126. Advanced Design Studio. (0-18) 6 Credit Hours.

Prerequisite: Completion of, or concurrent enrollment in, ARC 5173. An introduction to advanced architectural design, including the role of research, program preparation, and technological integration in architectural design. This course has Differential Tuition.

ARC 6136. Advanced Topics Studio. (0-18) 6 Credit Hours.

Prerequisite: ARC 6126. An advanced architectural design studio, which allows faculty and students to explore a range of architecture-related topics in a studio setting. Content varies. (Formerly titled "Advanced Design Studio II.") This course has Differential Tuition.

ARC 6146. Advanced Technical Studio. (0-18) 6 Credit Hours.

Prerequisite: ARC 5724 and ARC 6136, graduate standing, and consent of instructor. An advanced architectural design studio, which includes the integration of building materials, services, and systems, technical documentation and comprehensive design. (Formerly titled "Advanced Design Studio III.") This course has Differential Tuition.

ARC 6243. Advanced Design Visualization. (0-9) 3 Credit Hours.

Advanced exploration of graphic processes and techniques utilized in the design of the built environment. This course has Differential Tuition.

ARC 6253. Architectural Graphics and Visual Communication. (0-9) 3 Credit Hours.

A rules and methods-based course dedicated to teaching visual communication for architecture. This course builds on fundamentals and covers grid systems, layout + composition, color theory, type, text, and image manipulation, as well as fundamental techniques employed by architects and designers such as orthographic drawing (section + plan), axonometric drawings, and analytical diagramming. This course has Differential Tuition. Course Fee: STSE \$30; SAP1 \$25.

ARC 6323. Master's Research Preparation. (3-0) 3 Credit Hours.

Prerequisite: Consent of instructor. An advanced study aimed at supporting the development of a Master's Thesis or Professional Report for the Master of Science in Architecture degree. This course builds on scholarly documentation, research analysis and contemporary research practice issues. This course has Differential Tuition.

ARC 6413. Sustainable Preservation Technology. (1-6) 3 Credit Hours.

A survey of techniques of preservation: methods of analysis, history of materials, and technology used in old buildings. Includes emphasis on buildings as integrated sets of subsystems and how these are affected by the processes of material deterioration, conservation, and techniques of intervention. This course has Differential Tuition.

ARC 6423. Architectural Conservation Theory. (3-0) 3 Credit Hours.

An advanced study and critical analysis of current design theory and techniques for conservation of historic sites. This course has Differential Tuition.

ARC 6433. Research Methods. (3-0) 3 Credit Hours.

An examination of theories and methods in architectural research. Includes a critical review of theoretical perspectives and considers a range of research methods and techniques used in architectural research. (Formerly COA 6433. Credit cannot be earned for both ARC 6433 and COA 6433.) This course has Differential Tuition. Course Fee: STSE \$30; SAP1 \$25.

ARC 6443. World Heritage Management. (3-0) 3 Credit Hours.

Principles and practices for managing cultural properties with a focus on World Heritage properties. Includes surveys of international documents applicable to the management of cultural heritage sites globally and study of documentation, planning, community engagement, public interpretation, design/conservation treatments, and universal values, as well as UNESCO World Heritage process and purpose. This course has Differential Tuition. Course Fee: STSE \$30; SAP1 \$25.

ARC 6453. Cultural Landscapes and Urban Conservation. (3-0) 3 Credit Hours.

Advanced study and critical analysis of contemporary design theory, methods and approaches for conservation of cultural landscapes, of historic cities and historic urban landscapes. This course has Differential Tuition. Course Fee: STSE \$30; SAP1 \$25.

ARC 6463. Heritage Tourism Planning and Design. (3-0) 3 Credit Hours.

Course introduces the theory, practice and current issues of cultural heritage tourism planning and design as a socio-cultural phenomenon. Topics include motives and behaviors of heritage tourists, resources and attractions, plus public interpretation and management policy. Explores connection of cultural heritage tourism to sustainable community development. This course has Differential Tuition.

ARC 6483. Condition Assessment and Conservation. (3-0) 3 Credit Hours.

Prerequisite: Consent of Instructor. Advanced study of condition assessment methods specific to historic structures, including visual inspection techniques, condition assessment mapping, destructive and non-destructive diagnostic methods of investigation for material and structural deterioration, and introduction to mathematical modeling techniques. Best practices for material and structural treatments. This course has Differential Tuition.

ARC 6493. Architectural Transformations. (3-0) 3 Credit Hours.

Seminar course that considers design strategies and approaches in the redevelopment and redesign of existing buildings and landscapes. Covers topics such as adaptive use, and new design within historic contexts. This course has Differential Tuition.

ARC 6533. Adaptive Reuse and Rehabilitation. (3-0) 3 Credit Hours.

This is a seminar course that considers Adaptive Reuse design strategies and contemporary design approaches within historical contexts. It also covers sustainable design principles and urban rehabilitation processes. This course has Differential Tuition.

ARC 6823. Study Abroad: Advanced Architectural History/Theory. (3-0) 3 Credit Hours.

Prerequisite: Consent of instructor. An advanced study in architectural history/theory associated with a study abroad program; involves field trips. This course has Differential Tuition. Course Fee: STSE \$30; SAP1 \$25.

ARC 6921. Professional Report. (0-0) 1 Credit Hour.

Prerequisite: ARC 6943 and the approval of Graduate Advisor of Record. The directed architectural research course is offered only for the Master of Science in Architecture students who have completed 9 semester credit hours of ARC 6943 Professional Internship. Credit will be awarded upon completion of the report. Enrollment is required each term in which the report is in progress. May be repeated for credit. This course has Differential Tuition.

ARC 6923. Professional Report. (0-0) 3 Credit Hours.

Prerequisite: ARC 6943 and the approval of Graduate Advisor of Record. The directed architectural research course is offered only for the Master of Science in Architecture students who have completed 9 semester credit hours of ARC 6943 Professional Internship. Credit will be awarded upon completion of the report. Enrollment is required each term in which the report is in progress. This course has Differential Tuition.

ARC 6933. Inquiries and Methods. (3-0) 3 Credit Hours.

Prerequisite: ARC 5173, ARC 6126, and ARC 6136. The course involves the research and preparation of a proposal for an independent design project. The grade report for the course is either "CR" (satisfactory performance) or "NC" (unsatisfactory performance). (Formerly ARC 6931. Credit cannot be earned for both ARC 6931 and ARC 6933. Formerly titled "Master's Project Preparation.") This course has Differential Tuition. Course fees: SAP1 \$25; STSE \$30.

ARC 6943. Professional Internship. (0-0) 3 Credit Hours.

Prerequisite: Consent of instructor. Supervised professional practice experience with public agencies or private firms. Individual conferences and written reports required. May be repeated for credit, but not more than 3 credit hours will apply to the Master of Architecture degree. With the approval of Graduate Advisor of Record, up to 9 credit hours may be applied to the Master of Science in Architecture degree. This course has Differential Tuition.

ARC 6951. Independent Study. (0-0) 1 Credit Hour.

Prerequisite: Permission in writing (form available) from the instructor and the Graduate Advisor of Record. Independent reading, research, discussion, and/or writing under the direction of a faculty member. For students needing specialized work not normally or not often available as part of the regular course offerings. May be repeated for credit, but not more than 6 hours, regardless of discipline, will apply to the Master of Architecture degree or the Master of Science in Architecture degree. This course has Differential Tuition.

ARC 6953. Independent Study. (0-0) 3 Credit Hours.

Prerequisite: Permission in writing (form available) from the instructor and the Graduate Advisor of Record. Independent reading, research, discussion, and/or writing under the direction of a faculty member. For students needing specialized work not normally or not often available as part of the regular course offerings. May be repeated for credit, but not more than 6 hours, regardless of discipline, will apply to the Master of Architecture degree or the Master of Science in Architecture degree. This course has Differential Tuition.

ARC 6961. Comprehensive Examination. (0-0) 1 Credit Hour.

Prerequisite: Permission of the architecture Graduate Advisor of Record. Independent study course for the purpose of taking the Comprehensive Examination. The grade report for the course is either "CR" (satisfactory performance on the Comprehensive Examination) or "NC" (unsatisfactory performance on the Comprehensive Examination). Credit earned in ARC 6961 may not be counted toward the Master of Science in Architecture degree. May be repeated once. This course has Differential Tuition.

ARC 6973. Special Topics. (3-0) 3 Credit Hours.

An organized course offering the opportunity for specialized study not normally or not often available as part of the regular course offerings. Special Topics courses may be repeated for credit when topics vary, but not more than 6 semester credit hours of ARC 6973 or 12 hours of ARC 6976 will apply to the Master of Architecture degree or the Master of Science in Architecture degree. This course has Differential Tuition.

ARC 6976. Special Topics. (0-18) 6 Credit Hours.

An organized course offering the opportunity for specialized study not normally or not often available as part of the regular course offerings. Special Topics courses may be repeated for credit when topics vary, but not more than 6 semester credit hours of ARC 6973 or 12 hours of ARC 6976 will apply to the Master of Architecture degree or the Master of Science in Architecture degree. This course has Differential Tuition.

ARC 6981. Master's Thesis. (0-0) 1 Credit Hour.

Prerequisite: ARC 6983 and consent of instructor. May be repeated for credit, but not more than 6 hours will apply to the Master of Science in Architecture degree. Credit will be awarded upon completion of the thesis. Enrollment is required each term in which the thesis is in progress. (Formerly COA 6981.) This course has Differential Tuition.

ARC 6982. Master's Thesis. (0-0) 2 Credit Hours.

Prerequisite: ARC 6323 and consent of instructor. May be repeated for credit, but not more than 6 hours will apply to the Master of Science in Architecture degree. Credit will be awarded upon completion of the thesis. Enrollment is required each term in which the thesis is in progress. This course has Differential Tuition. Course Fee: STSE \$20; SAP1 \$25.

ARC 6983. Master's Thesis. (0-0) 3 Credit Hours.

Prerequisite: ARC 6323 and consent of instructor. May be repeated for credit, but not more than 6 hours will apply to the Master of Science in Architecture degree. Credit will be awarded upon completion of the thesis. Enrollment is required each term in which the thesis is in progress. (Formerly COA 6983.) This course has Differential Tuition.

ARC 6991. Master's Project. (0-3) 1 Credit Hour.

Prerequisite: ARC 6996 and consent of instructor. A comprehensive study focusing on an independent design proposal and the complete representation of the project. May be repeated, but not more than 6 hours will apply to the Master of Architecture degree. Credit will be awarded upon completion of the project. Enrollment is required each term in which the project is in progress. This course has Differential Tuition.

ARC 6996. Master's Project. (0-18) 6 Credit Hours.

Prerequisite: ARC 6933 or equivalent. A comprehensive study focusing on an independent design proposal and the complete representation of the project. Credit will be awarded upon completion of the project. Enrollment is required each term in which the project is in progress. This course has Differential Tuition. Course Fee: DL01 \$150.

ARC 7011. Doctoral Seminar in Architecture. (1-0) 1 Credit Hour.

Organized lectures and seminar presentations to facilitate the development of doctoral students' research skills and knowledge of current and emerging research. Will include presentations of current research by faculty and invited guests who are experts in various aspects of research in building performance, and advanced graduate students who are about to complete their dissertation research. May be repeated for credit. This course has Differential Tuition.

ARC 7211. Doctoral Research. (0-0) 1 Credit Hour.

Prerequisite: Doctoral student standing and consent of the student's Dissertation Committee. Research work carried out by the student under the supervision of their Dissertation Committee. May be repeated for credit, but not more than 15 hours may be applied to the Doctoral degree. This course has Differential Tuition.

ARC 7212. Doctoral Research. (0-0) 2 Credit Hours.

Prerequisite: Doctoral student standing and consent of the student's Dissertation Committee. Research work carried out by the student under the supervision of their Dissertation Committee. May be repeated for credit, but not more than 15 hours may be applied to the Doctoral degree. This course has Differential Tuition.

ARC 7213. Doctoral Research. (0-0) 3 Credit Hours.

Prerequisite: Doctoral student standing and consent of the student's Dissertation Committee. Research work carried out by the student under the supervision of their Dissertation Committee. May be repeated for credit, but not more than 15 hours may be applied to the Doctoral degree. This course has Differential Tuition.

ARC 7311. Doctoral Dissertation. (0-0) 1 Credit Hour.

Prerequisite: Successful defense of comprehensive exam and consent of the student's Dissertation Committee. Dissertation work carried out by the student under the supervision of their Dissertation Committee. May be repeated for credit, but not more than 15 hours may be applied to the Doctoral degree. This course has Differential Tuition.

ARC 7312. Doctoral Dissertation. (0-0) 2 Credit Hours.

Prerequisite: Successful defense of comprehensive exam and consent of the student's Dissertation Committee. Dissertation work carried out by the student under the supervision of their Dissertation Committee. May be repeated for credit, but not more than 15 hours may be applied to the Doctoral degree. This course has Differential Tuition.

ARC 7313. Doctoral Dissertation. (0-0) 3 Credit Hours.

Prerequisite: Successful defense of comprehensive exam and consent of the student's Dissertation Committee. Dissertation work carried out by the student under the supervision of their Dissertation Committee. May be repeated for credit, but not more than 15 hours may be applied to the Doctoral degree. This course has Differential Tuition.