

Architecture and Design (ARDS)

Courses

ARDS 3153. Methods of Design Inquiry. 3 Hours.

Investigation into practical, theoretical, and methodological strategies for embarking upon design inquiry and discourse. Practical issues of method are examined. A range of tools for interpreting architecture, landscape architecture and interior design are surveyed. Honors students will produce a prospectus for their Honors Capstone. Prerequisite: Fay Jones School students in third year or Honors candidacy. (Typically offered: Spring)

ARDS 3153H. Honors Methods of Design Inquiry. 3 Hours.

Investigation into practical, theoretical, and methodological strategies for embarking upon design inquiry and discourse. Practical issues of method are examined. A range of tools for interpreting architecture, landscape architecture and interior design are surveyed. Honors students will produce a prospectus for their Honors Capstone. Prerequisite: Fay Jones School students in third year or Honors candidacy. (Typically offered: Spring)

This course is equivalent to ARDS 3153.

ARDS 5143H. Honors Capstone. 3 Hours.

Development dependent upon the synthesis of knowledge and application of critical, reflective thinking addressing architectural, landscape architectural and/or interior design issues. A diversity of interests and modes or inquiry are encouraged. All capstones must include a written research on the topic of investigation. Prerequisite: ARDS 3153 and honors candidacy. (Typically offered: Fall and Spring)

ARDS 6023. Design Seminar. 3 Hours.

Advanced seminars of special interest to students and faculty that are not covered in other courses. Prerequisite: Admission to the Master of Design Program (DSGNMDS). (Typically offered: Irregular) May be repeated for degree credit.

ARDS 6723. Methods of Design Inquiry. 3 Hours.

Investigation into the practical, theoretical, and methodological strategies necessary for embarking upon inquiry and discourse for design-related problems. Pre- or Corequisite: Admission into the Master of Design program. (Typically offered: Fall)

ARDS 6803. Design Leadership. 3 Hours.

Explores leadership through conceptual and theoretical perspectives. Emphasis is on developing and managing effective design processes, methods, and organizations enabling innovative design practices. Students will explore contemporary issues and forces that affect the conditions of how design is embedded in thought leadership. Pre- or Corequisite: Admission into the Master of Design program. (Typically offered: Spring)

ARDS 6813. Cities and Public Good. 3 Hours.

Studies infrastructure as socio-technical systems and potential transitions to lower-carbon futures. Concepts governing Large Technical Systems such as obduracy, path-dependency, energy transitions, value capture, and public good are explored through analytic frameworks like Multi-level Perspectives (MLP) and Socio-technical Systems Theory (STS) in the context of incumbent technologies. Pre- or Corequisite: Admission into the Master of Design program. (Typically offered: Fall and Spring)

ARDS 6823. Vocabularies of Context Production. 3 Hours.

Explores connectivity through spatial and organizational formats from urbanism to supply chains, ecosystems, resource sheds, infrastructure, neighborhoods, eco-districts, and other public spaces. In addition to the traditional categories of geometry, proportion, and fit used to define place, vocabularies of flow, timing, interactivity, phasing, modulation, distribution, and emergence will be examined. Pre- or Corequisite: Admission into the Master of Design program. (Typically offered: Fall and Spring)

ARDS 6833. Wood Theories, Tectonics and Environmental Response. 3 Hours.

Investigate wood design through theoretical, technical and practical inquiry emphasizing tectonics responding to a range of material and environmental aspects. Focused study of wood's physical properties, functions, and behavior in manufactured and constructed assemblies. Current and future global issues, industry, economy, and the design of the constructed environment are explored. Prerequisite: Admission to the Master of Design Studies Degree. (Typically offered: Fall)

ARDS 6843. Advanced Wood Production Processes. 3 Hours.

Examine performative wood design at the intersection of cutting edge of fabrication-production technologies and the material assembly at multiple scales to expand the limits of current practice. Opportunities for wood design are re-examined in light of evolving digital technologies, practices and theories of making. Prerequisite: Admission to the Master of Design Studies Program. (Typically offered: Spring)

ARDS 6853. Health and Wellness in the Built Environment. 3 Hours.

Advanced seminar examining the interactions of health and wellbeing in the built environment. Physiological and psychosocial wellness concepts are examined across multiple scales and settings. Prerequisite: Admission to the Master of Design Studies program or permission of instructor. (Typically offered: Fall)

ARDS 6906. Advanced Design Studio. 6 Hours.

A topical design studio investigating project development dependent upon the synthesis of knowledge and application of critical thinking to complex environmental design problems. The intimate relationship between architecture, place and culture is used to create connection and relevance in the built environment. Pre- or Corequisite: Admission into the Master of Design program. (Typically offered: Fall)

ARDS 6916. Advanced Design Studio II. 6 Hours.

An advanced topical design studio utilizing methods from domains external to design disciplines. Project resolution requiring skill in generating design ideas developed through strategic planning and responding to sociopolitical, economic, and environmental drivers. Pre- or Corequisite: Admission into the Master of Design program. Prerequisite: Completion of ARDS 6906. (Typically offered: Spring)

ARDS 6926. Graduate Residency. 6 Hours.

Experiential learning integrating knowledge and theory in professional environment. This guided experience will facilitate career development, professional relationships, and provide a critical opportunity to apply new skills and knowledge to real problems. Pre- or Corequisite: Admission into the Master of Design program. Prerequisite: Completion of ARDS 6906 and ARDS 6916. (Typically offered: Summer)

ARDS 693V. Extended Graduate Residency. 1-6 Hour.

Experiential learning integrating knowledge and theory in professional environment. This guided experience will facilitate career development, professional relationships, and provide a critical opportunity to apply new skills and knowledge to real problems. Pre- or Corequisite: Admission into the Master of Design Studies program. Prerequisite: Completion of ARDS 6906 and ARDS 6916. (Typically offered: Fall and Spring) May be repeated for degree credit.