CAP 2020 Maymester and Summer Course Descriptions

Maymester

LDAR 4486/6686 Scandinavian Solutions to Sustainability - Tolderlund - 3 Credits - Taught Remote Synchronous Format - Undergraduate and Graduate combined course
This course offers a rare and exciting opportunity for interdisciplinary explorations of sustainable development, urban design and energy and climate change policy in one of the most progressive parts of the world. Denmark is a laboratory of visionary urbanism with sustainable approaches and innovations as diverse as creating integrated bicycle networks, the introduction of high-quality public space, pedestrian connectivity, and design innovations in architecture, urban design and landscape architecture. Denmark’s national and municipal governments have established far-reaching and effective policies related to sustainable development and clean energy, water management, and smart city practices. Its businesses and universities are leaders in technology, innovation and implementation of sustainable practices.

This remote course will include guest lecturers and discussions. Students pick a theme, develop and refine it over the course of the 3-weeks, and hand in one final report at the end.

Maymester

ARCH 6190 Aspen Remote – Alrubaiy – 3 Credits - Taught Remote Synchronous Format – Graduate Course
In Maymester of 2020, the Aspen Summer program will explore questions of remote study, collaboration and design production. How do you learn about a place that you can’t visit? How do you get beyond surface impressions? How do you use a combination of remote data collection and architectural visualization to build a context in which to develop an architectural project?

You will learn new approaches to using architectural graphics. You will collaborate with world class architects. You will learn how to construct a context into which you can position your work. Week one will introduce students to GIS as a design tool, facilitating remote investigation of the formative forces inflecting the composition of the Roaring Fork Valley. Week two will extend the impressions from week one into quantified relational systems. In week three, using the images and models developed in the first two weeks, students will collaborate with CCY Architects to produce a conceptual design for a small scale architectural intervention.

Summer

ARCH 3600/6290 Architecture of Fun – D. Thomas - 3 Credits - Taught Remote Synchronous Format Undergraduate and Graduate combined course
This course tackles this seemingly simple question through creative practice and critical interrogation. By making and thinking about the objects we employ to “have fun”, you will develop a conceptual framework and develop skills for designing and creating fun objects, with an eventual focus on a special class of objects we recognize as fun architecture.

What are "fun objects"?
Ultimately, you will gain an understanding of the aesthetics of fun, in contrast to the traditional art and
architecture aesthetics concerned with beauty. From here we will build a design approach necessary to elaborate an architecture of fun.

**Summer**

**ARCH 3602/6560 Architectural Photography** – Kuroiwa - 3 Credits - Taught Remote Synchronous Format - Undergraduate and Graduate combined course

Architecture Photography is an introduction to making and critically analyzing photographs in general, as well as architectural images specifically. Students will be challenged to create compelling imagery and to think critically about the ways in which images communicate.

Students will complete a number of in-class mini assignments, four photographic assignments, and a final photographic project. Throughout the semester students will learn: how to operate a DSLR/mirrorless system camera, photographic composition, Adobe Lightroom Classic CC, and components of Adobe Photoshop, approaches to photographing architectural exteriors and interiors, how to use photography to capture design inspiration, and about photographic artists and their work.

In order to successfully complete this course students will need:
- Access to a DSLR or mirrorless system camera
- Can be purchased or borrowed from a friend or family member
- A limited pool of cameras will be available through the college
- An external hard drive or laptop

**Summer**

**ARCH 3700/6180 Design for Disassembly** – Gines - 3 Credits - Taught Remote Synchronous Format - Undergraduate and Graduate combined course

This course will research strategies for designing solutions to the waste generated by the practice of architecture. Additionally the course will investigate kit of part buildings systems and design principles such as pre-fabrication, and the responsibility of the Architect. Students will gain an understanding of the complexities surrounding the embodied energy in materials used in the construction and ultimate demolition of buildings. Students will design a building system using principles of DfD, and DfE.

**Summer**

**ARCH 3800, ARCH 6590, LDAR 6686, MUD 6686 - Communicating with Intention: Diagrams and Portfolio** - R. Brown - 3 Credits - Taught Online Asynchronous Format - Undergrad and Graduate combined course

This course would address fundamentals of graphic representation to communicate instances within a design, the broader narrative of a project and a larger body of work. Specifically, students will have the opportunity to explore and expand upon conventions of diagramming to communicate analysis, process and outcomes. As diagrams exist as pure abstraction, we’ll test the selective pairing of text and imagery to assign specificity and communicate the design process.

The final product of this course will be a digital portfolio and students will have the opportunity to develop diagrams that will augment their previous studio work and strengthen their ability to analyze and document their subsequent design work.
Summer
ARCH 3800/6390 Rhino: Special Topics – Stockhoff - 3 Credits – Taught Online Asynchronous Format
Undergraduate and Graduate combined course
This course focuses on the workflows and introductory level skills needed to work within the 3D modeling software Rhinoceros. Workflows focus on how Rhino works with other software used in design fields and how Rhino may be leveraged to operate with the ever increasing number of available digital fabrication tools. Additionally, this course discusses where Rhino is useful in the design process and how it compares to other architecture software. Lastly, the introductory skills offered in this course will include how to navigate within the software, how to create drawings, how to create accurate 3D designs, how to create and modify topography, and how to set up a Rhino file to be used either for rendering or diagramming.

Summer
ARCH 3800/6590 Advanced Graphics – Hirth - 3 Credit - Taught Remote Synchronous Format
Undergraduate and Graduate combined course
The line, a graphic representation of the connection of two points in space, is the primary basis of architectural production through its vast history. This advanced architectural graphics course will study the line in intimate detail as a vital character in our professional lives. This course will research, study, catalog, and invent within the canon of architectural representation using the production of lines as a position of initiation.

Using an intensive digital workflow, the class will undertake a series of workshops designed to advance a deeper understanding of contemporary techniques and practices in representation. In doing so, each student will craft a series of drawings, renderings, and collages. These drawings will be directed to explore a myriad of advanced contemporary representation techniques presently being pioneered on the front edge of academia and practice. The subject of the drawings crafted in this course will be based upon a library of drawings lifted from the canon of architecture. Each drawing, carefully chosen based upon their applicability to contemporary architecture, will guide the concept and execution of each student’s work. Each student’s intensive study of this canonical drawing will result in the output of a new and personally expressive mode of architectural representation.

Summer
ARCH 6550 Digital Portfolio Design – Ambach - 3 Credits - Taught Online Asynchronous Format – Graduate course
This course introduces students to the Graphic Design Concepts and the Digital Applications used to create both Printed and Web-based Portfolios. Students must have completed ARCH 5110 and have a working knowledge of Photoshop. Restriction: Restricted to Architecture graduate students within the College of Architecture and Planning.

Summer
URPL 6000 Planning Project Studio –Onaran and Howard - 6 Credits - Taught Remote Synchronous Format – Graduate course
Planning Project Studio is the MURP program’s advanced studio course. This studio requires students to work together as a “planning consultant team” to complete a single planning project or study from
beginning to end for a real-world client. It is expected that students enrolled in Planning Project Studio will have already gained the fundamental planning knowledge, skills, and values from their experience in Planning Workshop and other MURP courses. Consequently, the emphasis in Planning Project Studio is on putting everything together into a complete real-world planning project.

Summer  
**URPL 6265 Visualization for Planning** – Suter- 3 Credits - Taught Remote Synchronous Format – Graduate course  
This course covers visual design theory and advanced instruction in Adobe Illustrator, Photoshop, and InDesign to create compelling info-graphics, renderings, and reports, as well as advanced instruction in SketchUp and CityEngine to create 3D visualizations at multiple urban scales.

Summer  
**URPL 6800 Pandemic Recovery Planning** – Rumbach - 3 Credits - Taught Remote Synchronous Format- Graduate course  
The Coronavirus pandemic will have major impacts on Colorado communities. This hands-on seminar will center on planning for long-term community and economic recovery after disasters, with an emphasis on the pandemic and its impact on small towns and rural communities. Through readings, lectures, case studies and guest speakers, students will learn about: planning for long-term disaster recovery; the impacts of disasters on local and economic systems like housing and the economy; the unique needs and capabilities of small communities; and different state level approaches to Coronavirus recovery.

This online seminar requires weekly synchronous meeting and regular participation in class assignments and activities.