

PHAP 701

Participatory Design and Planning

Credit Hours: 3

This course familiarizes students with the most common methods and skills used in this field, the pitfalls and potential of public engagement processes, ways to integrate public input into planning and policy-making, and the areas of innovation in participatory planning practice. The course is based on the fact that engaging the public through interactive participatory methods has become standard practice in the planning and design professions.

PHAP 702

Architecture and Urbanism of Globalized Cities

Credit Hours: 3

This course introduces the city and challenges of contemporary globalization. It introduces Globalization as one of the most defining, and fraught, phenomena of modern times. It involves discussions and seminars on problems, questions, and arguments relevant to the built environment in a global world. It seeks to understand the rapid development of architecture and urbanism and changes in the global economy that affects the lives of people around the world.

PHAP 710

Building Performance Assessments and Measurements

Credit Hours: 3

This course focuses on the complex issue of assessing existing buildings for their overall performance, particularly energy use, environmental impact and occupant satisfaction to identify potentials for improvement. This is key to ensure that sustainable buildings perform to their potential. Post-occupancy building evaluations will be used and outputs compared to performance benchmarks on which buildings can be rated and compared.

PHAP 711

History, Theory, and Criticism in Architecture

Credit Hours: 3

This course introduces critical consideration and special topics in architectural history, theory and criticism which students construct their own informed and reasoned ideas about what the topic means from their perspective. The course offers overviews on the role of criticism in building theories and investigates the chronological evolution of architectural criticism. Types and methods of critical writing and criticism are also investigated. Students will have the opportunities to engage in critical discussions and develop critiques of building or urban settings.

PHAP 712

Energy and Buildings

Credit Hours: 3

This course introduces emerging green building concepts, energy systems, and cost benefit analysis. Topics include net zero design, green building, alternative energies, energy conservation, micro-generation technologies, dual use of energy, passive cooling, occupant behavior in relation to environmental conditions, retrofitting, and related considerations. The course offers an overview on the identification of the optimal energy performance achievable with various types of buildings and service systems; reduction of infiltration; control systems and strategies to achieve optimal energy performance; and other topics.

PHAP 751

Advanced Special Topics in Architecture I

Credit Hours: 3

Selected academic topics initiated by students, student teams, or faculty and directed by faculty member in the area of architecture and urban design. Topics are selected to reflect issues relevant to regional and local trends, historical and contemporary and would help students focus on the key issues involved in the shaping of the built environment.

PHAP 752

Advanced Special Topics in Architecture II

Credit Hours: 3

Selected academic topics initiated by students, student teams, or faculty and directed by faculty member in the area of architecture and urban design. Topics are selected to reflect issues relevant to regional and local trends, historical and contemporary and would help students focus on the key issues involved in the shaping of the built environment.