Faculty :	Faculty of Architecture and Planning
Program :	Urban Design and Development International Program (UDDI)
Level :	Undergraduate / Graduate

Semester 1 / 2025				
Course Code	Course	Credits	Course level	Course Description or link to Course Description
UD212	Theory and Concept in Urban Design	3	Undergraduate	The course focuses on thematic and chronological fundamentals of urban design theory, major trends in urban design theory and practice from various eras from neo-classic to contemporary urbanism. The rise of new urbanism as a result of rapidly proliferating technological and industrial advances is explored as a backdrop to various urban design strategies that have been subsequently developed.

UD 429	Collaborative Project in Urban Design and Development	6	Undergraduate	Develop new combinations of place, built space, and service to satisfy the needs and expectations of the public. Provide opportunities to design under 4 common development situations: a site looking for a use, a use looking for a site, capital looking for an investment opportunity, and an existing development. The student should have the chance to understand different players and roles in urban development project, from state-led, privately funded, local community initiation, NGO advocated project and ultimately public-private partnership. The initial to middle stages of urban project development will include project initiation, idea inception, development, refinement, project feasibility studies, related regulations, collaborative design and stakeholder management.
UD 434	Data and Decisions in Urban Design	3	Undergraduate	Methods of statistical and mathematical analysis in design and planning will be emphasized with the use of computer packages for analyzing urban data.

UD 444	Social Innovation and Social Entrepreneurship	3	Undergraduate	An introductory course to the field of social innovation and entrepreneurship for urban innovators. The course is focused on the role of digital platforms and mobile applications for civic innovation. Highly interdisciplinary, it covers UX/UI design, data-driven design, business design and gamification, to create highly engaging and successful digital solutions to urban problems. The course it taught through a combination of theory, critical analysis of case studies and hands-on activities.
UD 445	Professional Practice and Ethic in Urban Design and Development	3	Undergraduate	A series of seminars related to current urban design thinking and ideologies, problems in urban management and design, dilemmas in Thai urbanism, environmentally focused problems in professional practice, ethics and related regulation
UD 446	Organization Development and Management	3	Undergraduate	A study of Management Science covering a review of basic management theories, introducing organization development concepts and processes. Special emphasis will be given to the organizational effectiveness as an organization's essential goals through case studies that are applicable for urban design and development

UD 601	Interdisciplinary Urban Studies in SE Asia	6	Graduate	Introduces various challenges and opportunities to examine urban development comprising of economic, social, technological, and environmental issues, as a way to broach the idea of a South-East Asian urbanism. The course investigates key urbanization trends and the rapid growth of cities in the region, as well as the need for sustainable urban developments. Lectures, collaborative thinking, debates, discussions, and individual research will be used to investigate various topical issues and theories.
UD 612	Urban Visualization and Analysis	6	Graduate	This course introduces the fundamental concepts and tools to analyze the city across various sectors and disciplines. Supported by graphical and GIS software, this course demonstrates various ideas and methods of urban mapping and visualization including, but not limited to, mapping analyses, SWOT analysis, typological and morphological analyses, etc., through theoretical concepts and principles.

UD 613	Research Ethics and Skills	3	Graduate	This interdisciplinary course is aimed for students to understand and discuss how they approach a design research project to answer setting research questions with logical proven steps. An adequately designed research is initiated with a logical sequence from setting research philosophy to deciding research methodology, as considered a way of data collection and data analysis to answer research question(s) (Easterby-Smith et al., 2012). It is important to develop a logical congruence in setting research philosophy and research approach (research methodology and methods) in a design research project. Design research is characterized as an interdisciplinary and cross-disciplinary research project, which requires accommodating creative, idiosyncratic and multiple philosophical perspectives; a type of hybrid, collaborative, explicit, open, iterative and collective discipline to suggest the most optimum answers to dynamic human related research inquiries (Buchanan, 2001; Cross, 2006; Georges & Romme, 2003). A design research project therefore requires synthesizing the diverse contents and methods. To help for students to manage various scopes of design research topics covering a range from product, service, system design to architectural, urban design and so on.

Semester 2 / 2025				
Course Code	**Course**	**Credits**	**Course level**	**Course Description or link to Course Description**
UD602	Comparative Urbanisms	3	Graduate	Co-taught with partner universities where students will engage in international case study research relating to an urban design and development issue proposed in the UD601 Interdisciplinary Urban Studies in South-East Asia subject. The scope of the international experience could also include field work, individual or collaborative project, workshop, conference, or other academic activity.
UD721	Special Topic 1: Comparative Urbanisms Report	6	Graduate	This course provides students with an opportunity to independently produce a research output. Drawing upon the intersections of design and research, students will explore advanced concepts and methodologies, to develop new understandings and insights of urban issue/s of the student's interest in order to develop sustainable and resilient solutions for South-East Asian cities.

UD722	Special Topic 2: Urban Design Studio	6	Graduate	This urban design studio will explore theories and practices involved in producing a multi-layered analysis and holistic response in terms of the design and production of urban form amidst the growing complexities of cities in South-East Asia. Students are introduced to various design concepts, exploration methods, and tools for conducting research, field investigation, and formulating hypothesis within the complex layers of a city or part of a city. The course encourages students to develop an effective proposal for urban design intervention that addresses the needs of different stakeholders at various scales.