



## CURRICULUM

### Master in Urban Planning and Design (MUPD)

Academic Year 2021-2022

Reference CMOs: 15 Series of 2019: Policies, Standards and Guidelines for Graduate Programs

### Curriculum Description

This program is focused on the role urban design in the context of urban planning, and is delivered with an emphasis on the distinct methodologies, professional perspectives and pedagogies of that discipline. It provides specialist knowledge and skills in urban design theory, planning and practice, urban conversation; nature-based solutions, and the role of research in design. The program will enable graduates to work as part of a multidisciplinary team to create better places through urban design. The program will appeal to graduates from closely related disciplinary backgrounds wishing to specialize in urban planning and design, including those with qualifications in architecture, landscape architecture, engineering and planning.

### Program Educational Objectives of Master in Urban Planning and Design (PEO)

The Master in Urban Planning and Design alumni three to five years after graduation shall:

1. **Specialist.** Practiced as a high-level in solving complex urban planning and design problems leading to improvements and innovations, while taking into consideration the environmental, social, and economical requirements.
2. **Professionalism and Leadership.** Assumed leadership position in industry, academe, government, or private sector with consideration to social and ethical responsibility.
3. **Lifelong Learning.** Engaged in lifelong learning through further studies, research, certifications, promotions, and other personal and professional development activities.

### Institutional Graduate Attributes (IGA)

The student should achieve at least 75% for each IGA upon graduation

1. **Knowledge Competence.** Demonstrate a mastery of the fundamental knowledge and skills required for functioning effectively as a professional in the discipline, and an ability to integrate and apply them effectively to practice in the workplace.
2. **Creativity and Innovation.** Experiment with new approaches, challenge existing knowledge boundaries and design novel solutions to solve problems.
3. **Critical and Systems Thinking.** Identify, define, and deal with complex problems pertinent to the future professional practice or daily life through logical, analytical and critical thinking.
4. **Communication.** Communicate effectively (both orally and in writing) with a wide range of audiences, across a range of professional and personal contexts, in English and Pilipino.

5. **Lifelong Learning.** Identify own learning needs for professional or personal development; demonstrate an eagerness to take up opportunities for learning new things as well as the ability to learn effectively on their own.
6. **Leadership, teamwork, and Interpersonal Skills.** Function effectively both as a leader and as a member of a team; motivate and lead a team to work towards goal; work collaboratively with other team members; as well as connect and interact socially and effectively with diverse culture.
7. **Global Outlook.** Demonstrate an awareness and understanding of global issues and willingness to work, interact effectively and show sensitivity to cultural diversity.
8. **Social and National Responsibility.** Demonstrate an awareness of their social and national responsibility; engage in activities that contribute to the betterment of the society; and behave ethically and responsibly in social, professional and work environments.

### **Students Outcomes**

The following skills, knowledge, and behaviors are expected to be attained by the students as they progress through the program:

1. **Knowledge Competence.** Demonstrate a comprehensive and broad understanding of urban planning and design principles and apply advanced knowledge on urban planning and design;
2. **Critical and System Thinking.** Analyze, synthesize, create and evaluate the challenges in urban planning and design;
3. **Design and Analysis.** Design components, devices, and systems to meet specified engineering needs under real-world constraints;
4. **Communication.** Communicate effectively the technical knowledge, both orally and in writing, on complex urban planning and design activities;
5. **Leadership and Teamwork.** Function effectively as an individual, a team member, or as a leader in diverse work environments;
6. **Creativity and Innovation.** Contribute to the generation, dissemination and preservation of knowledge, methodologies, techniques, and processes;
7. **Lifelong Learning.** Engage in continuous professional development and lifelong learning endeavors;
8. **Ethics and Professionalism.** Conduct oneself within professional and ethical standards; and
9. **Research.** Perform independent scientific research that results in innovation with application.

## CURRICULUM COMPONENTS

<b>A. CORE COURSES (12 units)</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>Credit Unit</b>
MUPD 601	Planning Theory and Practice	3
MUPD 603	Theory of Methods and Urban Design	3
MUPD 604	Computer Applications for Planning and Design	3
MUPD 606	Research Methodology and Scientific Writing	3
<b>B. SPECIALIZATION COURSES (12 units)</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>Credit Unit</b>
MUPD 602	Planning and Design Fundamentals	3
MUPD 605	Sustainable Urban Infrastructure Systems	3
MUPD 608	Action and Strategic Planning	3
MUPD 622	Seminar Series (Plan B Non-Thesis/Non-Dissertation)	3
<b>C. THESIS COURSES (6 units)</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>Credit Unit</b>
MUPD 621	Masters Project in Urban Planning and Design/Field Report 1	3
MUPD 623	Masters Project in Urban Planning and Design/Field Report 2	3
<b>D. ELECTIVE COURSES (6 units)</b>		
<b>Course Code</b>	<b>Course Title</b>	<b>Credit Unit</b>
MUPD 614	Concepts and Techniques of Urban and Regional Planning	3
MUPD 615	Urban Systems Modelling and Design	3
MUPD 616	Planning for Disasters, Recovery and Resilience	3
MUPD 617	Advanced GIS Application for Urban Designers	3
MUPD 618	Planning and Sustainability	3