



Mindanao University of Science and Technology

College of Engineering and Architecture

Graduate Program

MASTER of Science in Sustainable Development

Major: Urban Planning and Sustainable Development

Curriculum

Effective SY 2016-2017

Course	Course Description	Credit Units
Core Courses (9 units)		
MSD 501	History and Theory of Urban Planning	3
MSD 502	Planning and Urban Development	3
MSD 503	Land and Environment Law	3
MSD 504	Industrial Ecology	3
MSD 505	Simulation and Modelling	3
Major Courses (21 units)		
Energy and Climate		
MSD 509	Sustainability: The Social Dimension	3
MSD 510	Foundation of Sustainability	3
MSD 511	Sustainability and Habitability	3
MSD 512	Sustainable Development and Urban Environment	3
MSD 513	Sustainable Urban Landscape and Heritage	3
MSD 514	Environmental Evaluation and Management	3
MSD 515	Environmental Policy and Management	3
MSD 516	Sustainable Urban and Regional Development	3
MSD 517	Climate and Environmental Change	3
Preservation and Built Environment		
MSD 518	Historical Analysis of Urban Form and Planning	3
MSD 519	Housing Facilities and Community Development	3
MSD 520	Smart Growth, Policy and Planning	3
MSD 521	Public Space: Theory Policy and Design	3
MSD 522	Transportation and Environment	3
MSD 523	Hazard Management	3

Planning

MSD 531	Design Skills for Urban Planning	3
MSD 532	GIS for Planning and Development	3
MSD 533	Coastal Policy and Planning	3
MSD 534	Environmental Impacts	3

Graduate Electives

MSD 551	Integrated Coastal Zone Management	3
MSD 552	Land Use and Biodiversity	3
MSD 553	Sustainable Business Management	3
MEP 552	Solid and Hazardous Waste Management	3
MEP 553	Environmental Sustainability and Economics	3
MEP 556	Energy, Environment and Climate Change: Issues and Strategies	3
MEP 558	Environmental Economics	3
MEP 562	Community and Climate Adaptation	3
MEP 563	Land Use and Climate Change	3
MEP 564	Clean Development Mechanism: Principles and Practices	3
MEP 566	Climate Change and Sustainable Development Workshop	3

THESIS

MES 601	Thesis 1	6
MES 602	Thesis 2	6

Summary of Units

Core Courses	9 units
Major Courses	21units
Electives	6 units
Master's Thesis	12
TOTAL	48 units

Notes:

1. Major courses taken in excess of the required 21 units can be applied in lieu of electives.
2. Only a maximum of 6 units of elective courses is credited towards the degree.
3. Electives taken in excess of 6 units cannot be applied to cover any deficiency in core and major courses.