



Environmental Engineering

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The integration of principles of science and engineering, concepts, knowledge, and tools to care for and restore our natural environment, provide healthy water, air, and land for human habitation, and for other organisms and solve environmental related problems/catastrophes.

Aim

To provide knowledge, training, and expertise in the field of environmental management, pollution control (water, soil, air, noise, etc.), water and wastewater treatment principles, solid waste management, sustainable development, natural resource management, and other related fields.

Further details

Course Coordinators

Environmental Engineering and Management

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Environmental Management

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<https://uom.lk/civil/divisions/environmental-engineering>



SCAN ME



University of Moratuwa
Department of Civil Engineering

MSc/ PG Dip in

Environmental Engineering/Management



Course Outline

POSTGRADUATE DIPLOMA

COMPULSORY MODULES [CREDITS]

Environmental and Social Impact Assessment [2]
Surface water pollution and control [4]
Groundwater pollution and control [2]
Noise & Air pollution and control [2]
Solid and Hazardous Waste Management [2]
Environmental Chemistry [4]
Statistical and Research Methods [2]
Environmental Law and Policy [2]
Microbiology and Biotechnology for Environmental applications [2]
Water Safety and Principles of Water and Wastewater Treatment [4]
Seminars on Global Environmental Issues [2]
Comprehensive Design Project [4]

Elective Modules

Environmental Economics [2]
Meteorology & Climate Change [2]
Contaminated Land Management [2]
Design of Water Treatment systems [4]
Design of Wastewater Treatment systems [4]
Environmental Quality Management and Environmental Auditing [2]
Geographical Information Systems (GIS) for Environmental Applications [2]
Integrated Water Resources Management [2]
Sustainable Building and Infrastructure Design [2]

Compulsory Only for Environmental Engineering & Management

Design of Water Retaining Structures [4]
Advances in Water & Wastewater Treatment [4]
Water Supply & Sewerage Design [4]

Compulsory Only for Environmental Management

Applied Ecology [4]
Natural Resources Management [4]
Forestry and Wildlife Conservation [4]

Master of Science

At least 44 credits from the list stated above and MSc Dissertation [20]

Eligibility Requirements

M.Sc./PG Diploma in Environmental Engineering and Management

a) B.Sc. Eng of the University of Moratuwa, Sri Lanka or an equivalent degree in a relevant field, or
b) At least the Associate Membership of a recognized professional Engineering Institute in a relevant field and a minimum of one-year relevant experience after obtaining such membership.

M.Sc./PG Diploma in Environmental Management

a) A Bachelor's degree (Special or 4-year duration) in Science from a recognized university, or
b) A Bachelor's degree (General or 3-year duration) in Science from a recognized university and minimum 1-year of appropriate experience, or
c) B.Sc. Eng. of the University of Moratuwa, Sri Lanka or an equivalent degree in a relevant field, or
d) At least the Associate Membership of a recognized professional Engineering Institute in a relevant field and minimum of one-year relevant experience after obtaining such membership, or
e) At least the Graduate Membership of a recognized professional science institute deemed equivalent to a Bachelor of Science Degree in a relevant field and minimum of one-year relevant experience after obtaining such membership

Intake

40 students

Course fee

PG Diploma – Rs 350,000
MSc – Rs 400,000

Course Duration and Conduct

PG Diploma – 12 months (Part-time)
MSc – 24 months (Part-time)
All lectures, assignments, seminars and field visits will be normally conducted on Saturdays and Sundays.

Course options

M. Sc. / PG Diploma in **Environmental Engineering and Management**
M.Sc. / PG Diploma in **Environmental Management**

