



UNIVERSITY OF MORATUWA

DEPARTMENT OF CIVIL ENGINEERING

CALL FOR APPLICATIONS: POSTGRADUATE COURSE

Master of Science Degree/ Postgraduate Diploma in Water Resources Engineering and Management (2017/2018)

Fulltime/Part-time course leading to M.Sc. Degree / Postgraduate Diploma

Applications are invited for the above course offered by the Department of Civil Engineering, University of Moratuwa, and conducted at the UNESCO Madanjeet Singh Centre for South Asia Water Management (UMCSAWM), in collaboration with the South Asia Foundation (SAF). The course scheduled to be commenced in May 2017 is open for both local and international students who wish to pursue a postgraduate degree/diploma with exposure to the knowledge and skills needed to create innovative, integrated solutions to complex water related challenges in the areas of water resources engineering and management. The course is carefully designed to provide a specialist training with a firm grounding in the principles, techniques, issues and practice of water resources engineering and management to practicing engineers and scientists.

ELIGIBILITY REQUIREMENTS

The selection of students to the Masters Degree Programme will be made by the Department of Civil Engineering, in accordance with the following extended eligibility requirements, approved by the Senate.

- i). The Degree of Bachelor of Science of Engineering of the University of Moratuwa, Sri Lanka or an equivalent degree in a relevant field, as approved by the Senate,
- OR
- ii). At least the Associate Membership of a recognized professional Engineering Institute in a relevant field with a minimum of one (01) year period of appropriate experience, as approved by the Senate,
- AND
- iii). If English is not the medium of instruction in the first degree of the candidate, valid TOEFL (a minimum of 500 points in paper-based, 173 in computer-based, or 61 in internet-based test) or IELTS (a minimum of 5.0 in Academic Version) scores or equivalent.

Selections will be based on the minimum eligibility requirements above, qualifications and experience, and performance at the interview.

COURSE STRUCTURE

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| <ul style="list-style-type: none"> • Compulsory modules (28 Credits) <ul style="list-style-type: none"> - Advanced Engineering Hydrology and Watershed Management - Advanced Irrigation Water Management for Food and Water Security - Advanced River Engineering and Estuary Hydraulics - Integrated Water Resources Management - Remote Sensing and Geographic Information Systems (GIS) for Planning and Management - Research Methods for Water Resources Engineering Planning and Management - Water Resources Project Planning & Management - Water Supply, Sanitation Systems and Water Quality Management • Elective modules (12 Credits) <ul style="list-style-type: none"> - Advanced Coastal Engineering and Estuary Management - Advanced GIS for Water Resources Management | <ul style="list-style-type: none"> - Advanced Remote Sensing and Global Positioning Systems - Advanced Water Supply and Sanitation Systems for Engineering Applications - Climate Change Impacts and Adaptation Options for Water Management - Disaster Risk Assessment, Reduction and Mitigation - Environmental Assessment of Water and Related Infrastructure Development - Service Delivery Assessment Concepts for Water Supply and Irrigation Systems - Water Resources Systems and Watershed Management for Planning and Management |
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- **Research Project (20 Credits)**
 - Supervised Research Project (for Master of Science Degree)

COURSE DURATION

- Minimum Duration of Programs: M.Sc. Course: 12 months (Full-time) or 21 months (Part-time) and PG Diploma: 12 months (Part-time).
- All academic work and research projects will normally be conducted in a three term academic year from Tuesday to Saturday (Full-time course) or in an equivalent duration from Friday to Saturday (Part-time course). After the successful completion of the first year with specified examinations and assignments, candidates may opt to obtain the P.G. Diploma. Those who wish to obtain a M.Sc. Degree should complete a Research Project and submit a thesis based on the research study during the first year (Full-time) or second year (Part-time).

COURSE FEES

For local applicants:
 • M. Sc. Full time/ Part-time: Rs. 350,000/=; PG Diploma: Rs. 250,000/=

For overseas applicants:
 • M. Sc. Full time USD 5,000 (SAARC) USD 6,000 (Other countries)

OTHER FEES

- Registration Fee: Rs. 1,000/= per year
- Examination Fee: Rs. 1,000/=
- Refundable Library Deposit: Rs. 5000/= (up to two books)

FINANCIAL ASSISTANCE

South Asia Foundation (SAF) annually offers eight (08) full-paid scholarships to the full-time participants from SAARC countries attending the M.Sc. programme of the UNESCO Madanjeet Singh Centre for South Asia Water Management (UMCSAWM), with the objective of promoting regional cooperation through South Asian water management education. Applications for the scholarships should be made directly to the SAF. For information on scholarship application forms, please refer to the SAF website or contact SAF chapters in respective SAARC countries.

APPLICATION PROCEDURE AND CLOSING DATE FOR APPLICATIONS

For further information and to download application forms and the brochure, please visit the Department webpage, or contact:

- Course Coordinator, M.Sc. Degree/P.G. Diploma in Water Resources Engineering and Management, Department of Civil Engineering, University of Moratuwa, Moratuwa 10400. Duly completed applications should be forwarded to the same address.
- International students should send an e-mail to the Course Coordinator or refer to the Department webpage to obtain application details.

Tel.: (+9411) 2650567 (Ext-2116) Website: www.civil.mrt.ac.lk E-mail: lalith@uom.lk

Closing date for applications: 15th March 2017

Registrar, University of Moratuwa, Moratuwa.