

Master of Science in Integrated Watershed Management, Makerere University

Objectives:

The programme aims to produce graduates with relevant knowledge and skills to manage a watershed in an integrated and sustainable manner.

Structure and content:

Semester 1

Core courses

- IWM 7110: Principles of Integrated Watershed Management
- CRS 7101: Applied Statistics and Biometrics
- IWM 7111: Remote Sensing and GIS applications
- AEC 7102: Research Methodology
- IWM 7112: Watershed degradation and restoration
- IWM 7122: Socio-cultural perspectives in watershed management

Elective courses

- IWM 7120: Hydrological Processes and Modelling
- IWM 7121: Strategic Impact assessment
- IWM 7123: Agriculture and environment interactions

Semester 2

Core courses

- IWM 7213: Integrated Watershed planning
- IWM 7214: Policy, Laws and Institutions in Watershed Management
- AGE 7201: Graduate Seminars
- IWM 7215: Energy in a Watershed
- IWM 7216: Watershed evaluation project

Elective courses

- IWM 7223: Financial and economic Instruments in Watershed Management
- IWM 7224: Solid waste management
- IWM 7225: Management of extreme events

Semester 3 & 4

- IWM 7212: Research proposal (8 weeks)
Thesis (field, submission & defence) (22 weeks)

Total credits: 240