

Curriculum MSc International Land and Water Management

Introduction

The Master International Land and Water Management (MIL) gives you the possibility to select a specialisation and courses which allow you to elaborate your own study programme and focus. This document will explain briefly what you can choose and how to select free choice courses. In the first four weeks of the programme, lectures and an assignment will be given to elaborate your programme. You can contact your study adviser for support and advice.

At this moment, the MIL programme consists of three compulsory courses (CS):

- **SLM 30306** **Issues and Concepts in International Land and Water Management**
- **WRM 32306** **Research Approaches to Land and Water Management**
- **WRM 60309** **Sustainable Land and Water Management (Spain)**

In the annex the CS courses are presented in **bold**.

In addition to this, the programme offers you the possibility to select one of the following specialisations:

- A. Sustainable Land Management
- B. Water Society and Technology
- C. Adaptive Water Management
- D. Flexible Configurations for Innovative Minds

Each specialisation contains two compulsory courses of 6 credits. In the annex they are presented in **green bold italic**. The specialisation is completed when you select at least one restricted optional (RO) course marked in the **colour blue**.

In case you want to shape your programme in a different way, you can select specialisation D 'Flexible configurations for innovative minds'. This option is intended for students who seek new connections within the programme and/or with other disciplines. They combine courses of the existing specialisations with new courses, leading to a thesis research project of their interest and relevant for the MIL programme. To put together a programme in this specialisation, you select two courses from the ones marked in **green bold and italic** and one course marked in the **colour blue** (courses in existing specialisations). Please make an appointment with your study adviser if you want to opt for this specialisation.

How to select your specialisation?

There are several activities you can undertake to help you select your specialisation. Some ideas:

- Read the general website of the MIL programme <https://wur.osiris-student.nl/#/onderwijscatalogus/extern/start> .
- Check the Handbook on the content of the different courses and the period in which they are given; especially for selecting your specialisation it is important to check if the content of the compulsory course is what you are looking for! In the handbook you select courses per period or per chair group: <https://wur.osiris-student.nl/#/onderwijscatalogus/extern/start> .
- Check the websites of the three chair groups (SLM, WRM and WSG) that participate in the programme and check the type of research they are involved in. You also can access the website: <https://tip.wur.nl/> . **This point is important as your specialisation prepares you for doing a thesis at the chair group of your specialisation.**
- Follow the lectures given in the first week of the course SLM 30306 Issues and Concepts; in the first weeks the specialisations and the research of the different chair groups will be presented.
- Consult your study adviser.

Free choice course in period 1

For period 1 in the morning, you can select a course from the Study Handbook (<https://wur.osiris-student.nl/#/onderwijscatalogus/extern/cursus>) (filter by period and timeslot). Check the results on chair groups that offer courses in your area of interest. The letters of the course code refer to the chair group. A few examples of courses often chosen by MIL students are:

HWM 20806 Hydrogeology

SLM 20806 Water Quantity and Quality

WSG 51306 Adaptation and Mitigation Services for Society

FSE 21306 Exploring the Future of Farming and Food

SDC 51806 Food Crises; the Big Picture

GRS 10306 Introduction Geo-information Science

HWM: Hydrology and Quantitative Water Management

SLM: Soil Physics and Land Management

WSG: Water Systems and Global Change

FSE: Farming Systems Ecology

SDC: Sociology of Development and Change

GRS: Geo-information Science and Remote Sensing

MOS – modular skills training

Last but not least, you will select two so-called MOS-modules. Through MOS-modules you will learn specific skills, like negotiation, consultancy, scientific writing and intuitive intelligence. You can find an overview of these short courses in the handbook (<https://wur.osiris-student.nl/#/onderwijscatalogus/extern/cursus>).

Specialisation A – Sustainable Land Management

		Period 1 September - October	Period 2 November - December	Period 3 January	Period 4 February	Period 5 March – April	Period 6 May - June/July
MIL1	AM	Free choice	<i>SLM 30806</i> <i>Land Degradation & Development</i>	WRM 33806 Gender and Natural Resources Management OR PPS 30306 QUALUS OR SLM 32306 Land First – from promises to practice OR Free choice	SLM 31806 Erosion Processes & Modelling OR Free choice	<i>SLM 31306</i> <i>Fundamentals of Land Management</i>	WRM 60309 Sustainable Land and Water Management (Spain)
	PM	SLM 30306 Issues and Concepts in International Land and Water Management	Free choice			WRM 32306 Research Approaches to Land and Water Management	
MIL2		SLM 80336 Thesis Soil Physics and Land Management				Choose one of the following: XXX 79324 Research practice <u>or</u> XXX 70324 Internship	

Specialisation B – Water, Society and Technology

		Period 1 September - October	Period 2 November - December	Period 3 January	Period 4 February	Period 5 March – April	Period 6 May - June/July
MIL1	AM	Free choice	<i>WRM 34806</i> <i>Water, Society & Technology - concepts and debates</i>	WRM 33806 Gender and Natural Resources Management OR Free choice	WRM 31306 Political Ecology of Water OR Free choice	WRM 30806 Water Delivery OR Free choice	WRM 60309 Sustainable Land and Water Management (Spain)
	PM	SLM 30306 Issues and Concepts in International Land and Water Management	<i>WRM 34306</i> <i>Water System Design for Water Use from Multiple Sources</i>			WRM 32306 Research Approaches to Land and Water Management	

MIL2		WRM 80436 Thesis Water Resources Management	Choose one of the following: XXX 79324 Research practice <u>or</u> XXX 70424 internship
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Specialisation C - Adaptive Water Management

		Period 1 September - October	Period 2 November - December	Period 3 January	Period 4 February	Period 5 March – April	Period 6 May - June/July	
MIL1	AM	Free choice	WSG 35306 Modelling Future Water Stress OR Free choice	ENP 37306 Water Governance, Concepts and Practices OR WRM 33806 Gender and Natural Resources Management	WSG 34806 <i>Climate Change Adaptation in Water Management</i>	SDC 35306 Natural Hazards and Disasters OR Free choice	WRM 60309 Sustainable Land and Water Management (Spain)	
	PM	SLM 30306 Issues and Concepts in International Land and Water Management	WSG 33806 <i>Integrated Water Management</i>	OR WSG 35806 Climate smart agriculture OR Free choice		WRM 32306 Research Approaches to Land and Water Management		YMC 60300 MOS Modular Skills Training
MIL2		WSG 80436 Thesis Water Systems and Global Change				Choose one of the following: XXX 79324 Research practice <u>or</u> XXX 70424 Internship		

Specialisation D – Flexible Configurations for Innovative Minds

		Period 1 September - October	Period 2 November - December	Period 3 January	Period 4 February	Period 5 March – April	Period 6 May - June/July	
MIL1	AM	Free choice	<u>SLM 30806</u> <i>Land Degradation & Development</i> OR <u>WRM 34806</u> <i>Water, Society & Technology - concepts and debates</i> OR Free choice	One course in blue from other specialisations OR Free choice	<u>WSG 34806</u> <i>Climate Change Adaptation in Water Management</i> OR one course in blue from other specialisations OR Free choice	<u>SLM 31306</u> <i>Fundamentals of Land Management</i> OR One course in blue from other specialisations OR Free choice	<u>WRM 60309</u> Sustainable Land and Water Management (Spain)	
	PM	<u>SLM 30306</u> Issues and Concepts in International Land and Water Management	<u>WRM 34306</u> <i>Water System Design for Water Use from Multiple Sources</i> OR <u>WSG 33806</u> <i>Integrated Water Management</i> OR Free choice			<u>WRM 32306</u> Research Approaches to Land and Water Management		YMC 60300 MOS Modular Skills Training
MIL2		MSc Thesis <u>SLM-80336</u> or <u>WRM-80436</u> or <u>WSG-80436</u>				Choose one of the following: XXX 79324 Research Practice <u>or</u> XXX 70324 internship		