

# 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	HWM: Hydrology and Quantitative Water Management
SLM 20806	Water Quantity and Quality	SLM: Soil Physics and Land Management
WSG 51306	Adaptation and Mitigation Services for Society	WSG: Water Systems and Global Change
FSE 21306	Exploring the Future of Food and Farming	FSE: Farming Systems Ecology
SDC 51806	Food Crises; the big picture	SDC: Sociology of Development and Change
GRS 10306	Introduction Geo-information Science	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	<b><i>SLM 30806</i></b> <b><i>Land Degradation &amp; Development</i></b>	<a href="#">WRM 33806</a> Gender and Natural Resources  OR <a href="#">PPS 30306</a> QUALUS	<a href="#">SLM 31806</a> Erosion Processes & Modelling  OR Free choice	<b><i>SLM 31306</i></b> <b><i>Fundamentals of Land Management</i></b>	<b><i>WRM 60309</i></b> <b>Sustainable Land and Water Management (Spain)</b>
	PM	<b><u>SLM 30306</u></b> <b>Issues and Concepts in International Land and Water Management</b>	Free choice	OR <a href="#">SLM 32306</a> Land First – from promises to practice  OR Free choice		<b><u>WRM 32306</u></b> <b>Research Approaches to Land and Water Management</b>	
MIL2		<b><u>SLM 80336</u></b> <b>Thesis Soil Physics and Land Management</b>				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	<b><i>WRM 34806</i></b> <b><i>Water, Society &amp; Technology - concepts and debates</i></b>	<a href="#">WRM 33806</a> Gender and Natural Resources  OR Free choice	<a href="#">WRM 31306</a> Political Ecology of Water  OR Free choice	<a href="#">WRM 30806</a> Water Delivery  OR Free choice	<b><i>WRM 60309</i></b> <b>Sustainable Land and Water Management (Spain)</b>
	PM	<b><u>SLM 30306</u></b> <b>Issues and Concepts in International Land and Water Management</b>	<b><i>WRM 34306</i></b> <b><i>Water System Design for Water Use from Multiple Sources</i></b>			<b><u>WRM 32306</u></b> <b>Research Approaches to Land and Water Management</b>	

MIL2		<b>WRM 80436</b> 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	<a href="#">WSG 35306</a> Modelling Future Water Stress  OR Free choice	<a href="#">ENP 37306</a> Water Governance, Concepts and Practices  OR <a href="#">WRM 33806</a> Gender and Natural Resources	<a href="#">WSG 34806</a> <i>Climate Change Adaptation in Water Management</i>	<a href="#">SDC 35306</a> Natural Hazards and Disasters  OR Free choice	<b>WRM 60309</b> Sustainable Land and Water Management (Spain)	
	PM	<b>SLM 30306</b> Issues and Concepts in International Land and Water Management	<a href="#">WSG 33806</a> <i>Integrated Water Management</i>	OR <a href="#">WSG 35806</a> Climate smart agriculture  OR Free choice		<b>WRM 32306</b> Research Approaches to Land and Water Management		YMC 60300 MOS Modular Skills Training
MIL2		<b>WSG 80436</b> 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><b>SLM 30806</b></u> <i>Land Degradation &amp; Development</i>  OR <u><b>WRM 34806</b></u> <i>Water, Society &amp; Technology - concepts and debates</i>  OR Free choice	One course in blue from other specialisations  OR Free choice	<u><b>WSG 34806</b></u> <i>Climate Change Adaptation in Water Management</i>  OR one course in blue from other specialisations  OR Free choice	<u><b>SLM 31306</b></u> <i>Fundamentals of Land Management</i>  OR One course in blue from other specialisations  OR Free choice	<u><b>WRM 60309</b></u> <b>Sustainable Land and Water Management (Spain)</b>	
	PM	<u><b>SLM 30306</b></u> <b>Issues and Concepts in International Land and Water Management</b>	<u><b>WRM 34306</b></u> <i>Water System Design for Water Use from Multiple Sources</i>  OR <u><b>WSG 33806</b></u> <i>Integrated Water Management</i>  OR Free choice			<u><b>WRM 32306</b></u> <b>Research Approaches to Land and Water Management</b>		<b>YMC 60300 MOS Modular Skills Training</b>
MIL2		<b>MSc Thesis</b> <u><b>SLM-80336</b></u> or <u><b>WRM-80436</b></u> or <u><b>WSG-80436</b></u>				Choose one of the following: XXX 79324 Research Practice or XXX 70324 internship		