

# **EUMAINE, European Master of Science** **in Nematology**

A unique international course programme with lectures given by international experts in the field to students from all over the world

## **CONSORTIUM PARTNERS**

- Universiteit Gent, Belgium : coordinator
- Universität Bielefeld, Germany
- Universidade de Évora, Portugal
- Universidad de Jaén, Spain

## **Together with 'satellite or supporting partners':**

- Christian-Albrechts Universität, Kiel, Germany
- Katholieke Universiteit Leuven, Belgium
- Scottish Crop Research Institute, United Kingdom
- Wageningen Universiteit , The Netherlands

Responsible for programme




Full joint diploma

Mobility (30 cred.)



# MA<sub>1</sub> European MSc in Nematology

<b>General courses</b> (compulsory) <i>(25 credits)</i>	<ul style="list-style-type: none"> <li>✓ Nematode morphology</li> <li>✓ Nematode systematics and molecular phylogeny</li> <li>✓ General techniques in nematology</li> <li>✓ Molecular techniques in nematology</li> <li>✓ Datamining, processing and managing</li> <li>✓ General nematode biology and interactions</li> <li>✓ Nematodes as model organisms</li> </ul>		Sem 1
<b>2 Majors</b>	Nematology applied to <b>agro-</b> ecosystems	Nematology applied to <b>natural</b> eco-systems	Sem 2
<div style="text-align: center;">  <b>Elective courses</b>  <i>(35 credits)</i> </div>			Sem 2
<b>MOBILITY:</b> depending upon the major and the elective courses			Sem 2

# MA1

# European MSc in Nematology

<b>General courses</b> (compulsory) <i>(28 credits)</i>	<ul style="list-style-type: none"><li>✓ Nematode morphology</li><li>✓ Nematode systematics and molecular phylogeny</li><li>✓ General techniques in nematology</li><li>✓ Molecular techniques in nematology</li><li>✓ Datamining, processing and managing</li><li>✓ General nematode biology and interactions</li><li>✓ Statistics</li></ul>		Sem 1
<b>Major</b> Nematology applied to <b>agro-</b> ecosystems	<b>Elective courses</b> <b>UGENT</b>	<b>Elective courses</b> <b>UEVORA</b>	Sem 2
<ul style="list-style-type: none"><li>✓ Systematics of plant-parasitic nematodes: Tylenchomorpha</li><li>✓ Virus vector families</li><li>✓ Entomopathogenic nematodes: taxonomy, biology, biocontrol</li><li>✓ Life cycle biology of the principle groups of plant-parasitic nematodes</li><li>✓ Plant nematode behaviour and physiology</li><li>✓ Molecular aspects of plant-nematode relationships</li><li>✓ Tropical plant nematology</li></ul>		<ul style="list-style-type: none"><li>✓ Plant virus and vectors</li><li>✓ Phytonematology</li><li>✓ Seminar</li><li>✓ Biology of fungi</li><li>✓ Applied molecular biology</li><li>✓ Bio-control of pests in agriculture and forestry</li><li>✓ Agricultural and forest entomology</li></ul> <p><b>Specialized and supporting elective courses: 35 credits</b></p>	

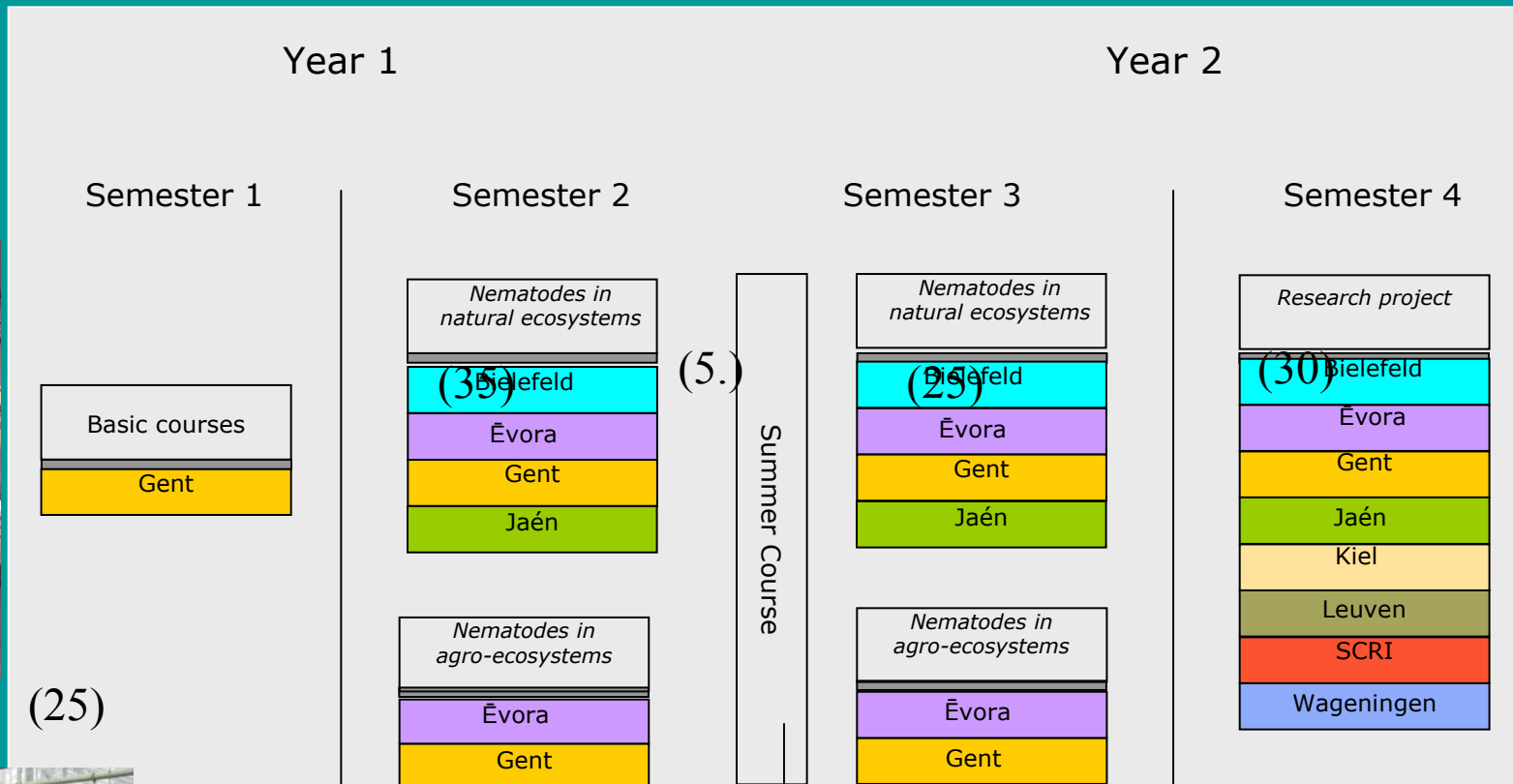
# MA1

# European MSc in Nematology

<b>General courses</b> (compulsory) <i>(28 credits)</i>	<ul style="list-style-type: none"><li>✓ Nematode morphology</li><li>✓ Nematode systematics and molecular phylogeny</li><li>✓ General techniques in nematology</li><li>✓ Molecular techniques in nematology</li><li>✓ Datamining, processing and managing</li><li>✓ General nematode biology and interactions</li><li>✓ Statistics</li></ul>				Sem 1
<b>Major</b> Nematology applied to <b>natural</b> ecosystems	<b>Elective courses UGENT</b>	<b>Elective courses UBIELEFELD</b>	<b>Elective courses UEVORA</b>	<b>Elective courses UJAEN</b>	Sem 2
<ul style="list-style-type: none"><li>✓ Systematics of free-living aquatic nematodes</li><li>✓ Systematics of free-living terrestrial nematodes</li><li>✓ Ecology of free-living aquatic nematodes</li><li>✓ Structural and functional biodiversity</li><li>✓ Biomonitoring</li></ul>	<ul style="list-style-type: none"><li>✓ Field ecology of meiobenthos and nematodes</li></ul>	<ul style="list-style-type: none"><li>✓ Estuarine management and conservation</li><li>✓ Management and conservation of marine shore ecosystems</li><li>✓ Spatial analysis</li><li>✓ Management fisheries and game</li></ul>		<ul style="list-style-type: none"><li>✓ Ecología aplicada</li><li>✓ Ecología forestal</li><li>✓ Gestión y conservación de suelos y aguas</li><li>✓ Suelos agrícolas</li></ul>	
<b>Specialized and supporting elective courses: 35 credits</b>					

# PROGRAMME MOBILITY

An element of mobility is an essential component of the course; students are required to spend at least one semester at a partner University other than Gent



Visits to laboratory abroad



# MA2

# European MSc in Nematology

<b>General courses</b> (compulsory) (12 credits)	<ul style="list-style-type: none"><li>✓ Biostatistics: experimental design</li><li>✓ Strategies for research: project development and paper writing</li><li>✓ Networking and seminars</li></ul>	Sem 1
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<b>Elective courses</b> (18 credits)	Sem 1 & 2
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