

## EARTH SCIENCES 2025-2026

### TRACK EARTH SYSTEM SCIENCE (TC Kenneth Rijdsdijk)

Period 1		Period 2		Period 3	Period 4		Period 5		Period 6	Holiday	
September	October	November	December	January	February	March	April	May	June	July	August

<b>Research variant</b>	<b>Year 1</b>	Vulnerable Earth (12 EC)	Environments through Time (6 EC) <i>MSc BS course</i>	The Earth System (6 EC)	Analysis and Modelling Lab (6 EC)	Literature Review Workshop* GIS/RS Science in Ecosystem Dynamics (6 EC)	Biogeochemical Cycles in System Earth (6 EC)	Climate Change (6 EC)	Literature Review Workshop*	If the summer months are used for the study, students take their holidays earlier		
		Optional early start of Research Project 1 -->					Research Project 1 (30-36 EC) or Literature Review (6-12 EC)					
		Research Workshop (3 EC)										
		Professional Skills (3 EC)										
<b>Year 2</b>	Research Workshop <i>continued</i> (3 EC)										If the summer months are used for the study, students take their holidays earlier	
	If not done in year 1: Research Project 1 (30-36 EC) and/or Literature Review (6-12 EC) and/or Research Project 2 (24-36 EC) or Internship (24-36 EC)											
	If not done in year 1: (restricted choice) elective courses and/or Professional Skills modules											

<b>Major variant</b>	<b>Year 1</b>	Vulnerable Earth (12 EC)	The Earth System (6 EC)	Literature Review Workshop*	Research Project 1 (30 EC) and Literature Review* (6 EC)					If the summer months are used for the study, students take their holidays earlier		
		Research Workshop (3 EC)										
		Professional Skills (3 EC)										
		Research Workshop <i>continued</i> (3 EC)										
<b>Year 2</b>	Major Teaching, Science Communication or Science in Society (60 EC)										If the summer months are used for the study, students take their holidays earlier	

<b>Minor variant</b>	<b>Year 1</b>	Vulnerable Earth (12 EC)	Environments through Time (6 EC) <i>MSc BS course</i>	The Earth System (6 EC)	Analysis and Modelling Lab (6 EC)	Literature Review Workshop* GIS/RS Science in Ecosystem Dynamics (6 EC)	Biogeochemical Cycles in System Earth (6 EC)	Climate Change (6 EC)	Literature Review Workshop*	If the summer months are used for the study, students take their holidays earlier		
		Optional early start of Research Project 1 -->					Research Project 1 (30-36 EC) or Literature Review (6 EC)					
		Research Workshop (3 EC)										
		Professional Skills (3 EC)										
<b>Year 2</b>	Research Workshop <i>continued</i> (3 EC)										If the summer months are used for the study, students take their holidays earlier	
	If not done in year 1: (restricted choice) elective courses, Professional Skills modules, Research Project 1 and/or Literature Review					Minor Teaching, Science for Sustainability**, or Collective Futures (30 EC)						

- Compulsory courses
- Restricted choice elective courses

\* Note that it is mandatory to follow the Literature Review Workshop (in February or in June) before writing your Literature Review. Upon completing the workshop, the Literature Review can be written at any time.  
 \*\* Note that the minor Science for Sustainability is not clustered in a single semester.

**IMPORTANT:** The curriculum needs to consist of a total of 120 EC. Note that 6 EC per month equals a fulltime workload. The Research Workshop, Professional Skills modules and the Literature Review Workshop can be done in parallel with other courses/projects. Also, take note of the following:

1. For the research and minor variant, the curriculum requires 18 EC of restricted choice elective courses (see above)
2. The curriculum of the research variant allows for 0-18 EC of elective courses (see below)
3. The curriculum of the minor variant requires 6-12 EC of elective courses (see below)
4. The size of individual projects (e.g. Research Projects, Literature Review, and Internship) depends on the amount of elective courses
5. The timing of individual projects is flexible within the two-year programme

### ELECTIVE COURSES

All compulsory courses from one track can be followed as elective courses in the other track. They are pre-approved as electives by the Examinations Board of the programme. In addition, the courses below can be followed as (pre-approved) electives.

Period 1		Period 2		Period 3	Period 4		Period 5		Period 6	Holiday	
September	October	November	December	January	February	March	April	May	June	July	August

<b>Elective Courses for both tracks</b>		Biological Oceanography (6 EC) <i>MSc BS course</i>	Global Ecology and Biodiversity (6 EC) <i>MSc BS course</i>	Environmental Chemistry (6 EC) <i>MSc CH course</i>		Field Course Geoeological Systems (12 EC)	If the summer months are used for the study, students take their holidays earlier
			Benthic Ecosystems (6 EC) <i>MSc BS course</i>	Landscape Degradation (6 EC)			
				Tropical Ecosystems Field Course (6 EC) <i>MSc BS course</i>			

- Pre-approved elective courses
- Time for individual projects/restricted choice elective courses/compulsory courses

**Disclaimer:** this curriculum schedule is a visual aid of the possibilities within your programme. Consult the TER 2025-2026 for more details as that document is binding.

## EARTH SCIENCES 2025-2026

### TRACK ENVIRONMENTAL MANAGEMENT (TC Ely Morriën)

Period 1		Period 2		Period 3	Period 4		Period 5		Period 6	Holiday	
September	October	November	December	January	February	March	April	May	June	July	August

<b>Research variant</b>	<b>Year 1</b>	Vulnerable Earth (12 EC)	Integrated Coastal Dune Management (6 EC)		Literature Review Workshop*					Literature Review Workshop*	If the summer months are used for the study, students take their holidays earlier	
		Energy and Climate Change: Science, Policy, and Ethics (6 EC)			System Innovation and Transition Management (6 EC)							
					GIS/RS Science in Ecosystem Dynamics (6 EC)							
					Human Environment Interactions (6 EC)							
		Optional early start of Research Project 1-->		Research Project 1 (30-36 EC) or Literature Review (6-12 EC)								
		Research Workshop (3 EC)										
		Professional Skills (3 EC)										
		Research Workshop <i>continued</i> (3 EC)										
		If not done in year 1: Research Project 1 (30-36 EC) and/or Literature Review (6-12 EC) and/or Research Project 2 (24-36 EC) or Internship (24-36 EC)									If the summer months are used for the study, students take their holidays earlier	
		If not done in year 1: (restricted choice) elective courses and/or Professional Skills modules										

<b>Major variant</b>	<b>Year 1</b>	Vulnerable Earth (12 EC)			Literature Review Workshop*					Literature Review Workshop*	If the summer months are used for the study, students take their holidays earlier	
		Research Project 1 (30-36 EC) and Literature Review* (6 EC)										
		Research Workshop (3 EC)										
		Professional Skills (3 EC)										
		Research Workshop <i>continued</i> (3 EC)										
		Major Teaching, Science Communication or Science in Society (60 EC)										If the summer months are used for the study, students take their holidays earlier

<b>Minor variant</b>	<b>Year 1</b>	Vulnerable Earth (12 EC)	Integrated Coastal Dune Management (6 EC)		Literature Review Workshop*						Literature Review Workshop*	If the summer months are used for the study, students take their holidays earlier
		Energy and Climate Change: Science, Policy, and Ethics (6 EC)			System Innovation and Transition Management (6 EC)							
					GIS/RS Science in Ecosystem Dynamics (6 EC)							
					Human Environment Interactions (6 EC)							
		Optional early start of Research Project 1-->		Research Project 1 (30-36 EC) or Literature Review (6 EC)								
		Research Workshop (3 EC)										
		Professional Skills (3 EC)										
		Research Workshop <i>continued</i> (3 EC)										
		If not done in year 1: (restricted choice) elective courses, Professional Skills modules, Research Project 1 and/or Literature Review				Minor Teaching, Science for Sustainability**, or Collective Futures (30 EC)						

- Compulsory courses
- Restricted choice elective courses
- Time for individual projects or elective courses

\* Note that it is mandatory to follow the Literature Review Workshop (in February or in June) before writing your Literature Review. Upon completing the workshop, the Literature Review can be written at any time.  
 \*\* Note that the minor Science for Sustainability is not clustered in a single semester.

**IMPORTANT:** The curriculum needs to consist of a total of 120 EC. Note that 6 EC per month equals a fulltime workload. The Research Workshop, Professional Skills modules and the Literature Review Workshop can be done in parallel with other courses/projects. Also, take note of the following:

1. For the research and minor variant, the curriculum must comprise of 24 EC of restricted choice elective courses (see above)
2. The curriculum of the research variant allows for 0-18 EC of elective courses (see below)
3. The curriculum of the major variant allows for 0-6 EC of elective courses (see below)
4. The curriculum of the minor variant requires 6-12 EC of elective courses (see below)
5. The size of individual projects (e.g. Research Projects, Literature Review, and Internship) depends on the amount of elective courses
6. The timing of individual projects is flexible within the two-year programme

#### ELECTIVE COURSES

All compulsory courses from one track can be followed as elective courses in the other track. They are pre-approved as electives by the Examinations Board of the programme. In addition, the courses below can be followed as (pre-approved) electives.

Period 1		Period 2		Period 3	Period 4		Period 5		Period 6	Holiday	
September	October	November	December	January	February	March	April	May	June	July	August

<b>Elective Courses for both tracks</b>			Global Ecology and Biodiversity (6 EC) <i>MSc BS course</i>	Environmental Chemistry (6 EC) <i>MSc CH course</i>								If the summer months are used for the study, students take their holidays earlier
			Biological Oceanography (6 EC) <i>MSc BS course</i>	Landscape Degradation (6 EC)								
			Benthic Ecosystems (6 EC) <i>MSc BS course</i>	Tropical Ecosystems Field Course (6 EC) <i>MSc BS course</i>								
	Field Course Geoeological Systems (12 EC)											

- Pre-approved elective courses
- Time for individual projects/restricted choice elective courses/compulsory courses

**Disclaimer:** this curriculum schedule is a visual aid of the possibilities within your programme. Consult the TER 2025-2026 for more details as that document is binding.