

Department of Landscape Architecture  
Department of Sustainable Agriculture and Energy Systems  
Department of Forestry

## **CURRICULUM**

for the Master's degree programme

### **Climate Change Management**

in the 2023/24 academic year

The degree programme is offered **jointly** by the Department of Landscape Architecture (overall supervision), the Department of Sustainable Agriculture and Energy Systems and the Department of Forestry. It provides interdisciplinary knowledge to enable the development of mitigation and adaptation strategies for land use and conservation management. The programme focuses on mitigation and adaptation solutions ranging from the farm to the regional level.

The curriculum is produced and determined by the Department Councils of the Department of Landscape Architecture, the Department of Sustainable Agriculture and Energy Systems and the Department of Forestry, in accordance with the study and examination regulations for the Master's degree programme Climate Change Management at Weihenstephan-Triesdorf University of Applied Sciences of 28 September 2020, amended by statutes of 21 July 2022.

Weihenstephan, 26/09/2023

Prof. Dr Drösler  
MCC Programme Director

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### Please note:

The courses are marked as follows with regard to possible hazards for expectant or breastfeeding mothers due to hazardous substances or physical stress:

- danger is given
- conditional danger, enquiry with the lecturer necessary
- no danger

You can find the module descriptions for the **Master's degree programme Climate Change Management** in the module handbook at: <https://www.hswt.de/en/studium/studienangebot/master/climate-change-management>

### Abbreviations:

EC	Credit Points according to the European Credit Transfer System (ECTS)	PS	Project study
ext. LV	External course	S	Seminar
Koll	Colloquium	SS	Summer semester
LE	Learning unit	sP	Written examination
LV	Course	StA	Student research project
mP	Oral examination	SU	Seminar-based tuition
N	Performance record (alongside studying)	SWS	Weekly hours per semester
P	Internship	TN	Certificate of participation
PA	Project work	Ü	Tutorial
pL	Practical performance record	(Ü)	Tutorial components which take place as part of SU
PM	Compulsory module	VHB	Virtual University of Bavaria
PRA	Internship outside the university	WS	Winter semester

### General information:

At the **beginning of the semester** there will be an **information session for new students in the degree programme**. Further information and the programme will be provided by e-mail.

# 1 Obligatory modules (Pflichtmodule) | SPO 2022/23

The Study and Examination Regulations 2022/23 (SPO 2022/23) apply to all students who have started their studies in the winter semester 2023/24 or 2022/23.

As a full-time course, the study programme takes up a standard study period of three semesters with three theoretical semesters, including a Master's thesis.

## 1.1 First Semester: Basics & Methods | SPO 2022/23

ID	Module	SWS	EC	Type of LV	Type and duration of exam in minutes	Lecturer		
<b>Diagnosis &amp; Impacts</b>								
356201010	mod 1	Climate Change	4	5	SU S	sP 90	Matthias Drösler / Peter Höpfe (ext.)	●
356221030	mod 2	Soil & Water Resources and Climate Change	4	5	SU	StA 10-14 w	Carsten Lorz / Kristian Förster	●
<b>Tools &amp; Techniques</b>								
356201020	mod 3	Digital Tools	4	5	SU Ü	StA 10-14 w	Olaf Schroth / Allan Buras (ext.)	●
356201040	mod 4	Statistics & Dendro-ecology	4	4	SU Ü	StA 10-14 w	Christian Zang	●
<b>Project 1</b>								
356221050	mod 5	Data Competence for Climate Change Management	4	5	PS	StA 10-14 w	Kristian Förster (coordination)	●
<b>Electives</b>								
356221800	mod 6	Electives	4	6	see MyCampus portal and module handbook			
$\Sigma$ SWS in semester 1 (WS)			24					
$\Sigma$ EC in semester 1 (WS)				30				

## 1.2 Second semester: Solutions – Mitigation (m) and Adaptation (a) | SPO 2022/23

ID.	Module	SWS	EC	Type of LV	Type and duration of exam in minutes	Lecturer		
<b>Landuse &amp; Technical Solutions</b>								
356222010	mod 7	Mitigation and Adaptation in Forests and Agriculture	4	5	SU Ü	sP 90	Christian Zang / Stefan Wittkopf / Bernhard Schauburger / Annette Freibauer (ext.)	●
356222020	mod 8	Biological Sinks & Technical Solutions	4	5	SU P S	StA 10-14 w	Matthias Drösler / Anne Kress / Oliver Falk / Christian Nolte (ext.)	●
<b>Planning &amp; Governance</b>								
356222030	mod 9	Landscape & Landuse Planning; Governance, Law and Economics	4	5	SU Ü	StA 10-14 w	Markus Reinke / Tanja Barton / Matthias Drösler / Cristina Lenz	●
<b>Project 2</b>								
356202040	mod 10	Planning Solutions	8	10	PS	StA	Matthias Drösler (coordination)	●
<b>Biotic Resources</b>								
356222050	mod 11	Biodiversity & Global Ecosystems	4	5	S	StA 10-14 w Präs 10-20 min.	Matthias Drösler / Christoph Moning / Annette Patzelt / Volker Zahner	●
Σ	<b>SWS in semester 2 (SS)</b>		<b>24</b>					
Σ	<b>EC in semester 2 (SS)</b>			<b>30</b>				

## 1.3 Third semester: Master's Thesis | SPO 2022/23

ID.	Module	SWS	EC	Type of LV	Type and duration of exam in minutes	Lecturer
356223000	Master's Thesis		30		StA: 6 months Koll.: 45 min	
Σ	<b>EC in semester 3 (WS)</b>		<b>30</b>			

# 1 Obligatory modules (Pflichtmodule) | SPO 2020/21

The Study and Examination Regulations 2020/21 (SPO 2020/21) apply to all students who commenced their studies in the winter semester 2020/21 or winter semester 2021/22.

As a full-time course, the study programme takes up a standard study period of three semesters with three theoretical semesters, including a Master's thesis.

## 1.1 First semester: Basics & Methods | SPO 2020/21

Nr.	Modul	SWS	EC	Art der LV	Art und Dauer der Prüfung in Minuten	Dozent(in)		
<b>Diagnosis &amp; Impacts</b>								
356201010	mod 1	Climate Change	4	5	SU S	sP 90	Matthias Drösler / Peter Höppe (ext.)	●
356201030	mod 2	Natural Resources & Landuse Systems	4	5	SU Ü	sP 90	Carsten Lorz / Kristian Förster	●
<b>Tools &amp; Techniques</b>								
356201020	mod 3	Digital Tools	4	5	SU Ü	StA 10-14 w	Olaf Schroth / Allan Buras (ext.)	●
356201040	mod 4	Statistics & Dendro- ecology	4	4	SU Ü	StA 10-14 w	Christian Zang	●
<b>Project 1</b>								
356201050	mod 5	Project 1 – Vulnerability Analysis	4	5	PS	StA 10-14 w	Kristian Förster (coordination)	●
<b>Electives</b>								
356221800	mod 6	Electives	4	6	see MyCampus portal and module handbook			
Σ	<b>SWS in semester 1 (WS)</b>		<b>24</b>					
Σ	<b>EC in semester 1 (WS)</b>			<b>30</b>				

## 1.2 Second semester: Solutions – Mitigation (m) and Adaptation (a) | SPO 2020/21

Nr.	Modul	SWS	EC	Art der LV	Art und Dauer der Prüfung in Minuten	Dozent(in)		
<b>Landuse &amp; Technical Solutions</b>								
356202010	mod 7	Mitigation and Adaptation in Forests and Agriculture	4	5	SU Ü	sP 90	Christian Zang / Stefan Wittkopf / Bernhard Schauburger / Annette Freibauer (ext.)	●
356202020	mod 8	Biological Sinks & Technical Solutions	4	5	SU P S	sP 90 / StA 10-14 w	Matthias Drösler / Anne Kress / Oliver Falk / Christian Nolte (ext.)	●
<b>Planning &amp; Governance</b>								
356202030	mod 9	Landscape & Landuse Planning; Governance & Economics	4	4	SU Ü	StA 10-14 w	Markus Reinke / Tanja Barton / Matthias Drösler / Cristina Lenz	●
<b>Project 2</b>								
356202040	mod 10	Planning Solutions	8	10	PS	StA	Matthias Drösler (coordination)	●
<b>Biotic Resources</b>								
356201800	mod 11	Electives	4	5	see MyCampus portal and module handbook			
$\Sigma$ SWS in semester 2 (SS)			24					
$\Sigma$ EC in semester 2 (SS)				30				

## 1.3 Third semester: Master Thesis | SPO 2020/21

ID.	Module	SWS	EC	Type of LV	Type and duration of exam in minutes	Lecturer
356203000	Master Thesis		30		StA: 6 months Koll.: 45 min	
$\Sigma$ EC in semester 3 (WS)				30		

## 2 Required elective modules and elective modules (Wahlpflichtmodule und Wahlmodule)

In the course of the degree programme, students must successfully complete required elective modules worth a total of six ECs (students having started the studies with the study and examination regulations of WS 2020/21: 12 ECs). The available required elective modules are visible in the MyCampus portal at the beginning of the semester.

**Enrolment** in elective modules and required elective modules should take place **in the first week of the semester**. Students are required to seek advice on selecting modules. If a student chooses to study more than the mandatory number of required elective modules, the surplus required elective modules are converted into elective modules.

In each required elective module selected, students should obtain a performance record. The final marks of the required elective modules will be shown on the certificate (elective module marks shown only on written request). For organisational and didactic reasons, the number of participants may be limited (minimum and maximum number of participants). If necessary, participants will be determined using a selection process.

Various factors affect whether all required elective modules and elective modules are taught, including whether there are sufficient students interested.

Upon application to the examination board, a module can be selected from the entire range of courses offered by the HSWT as well as the VHB. Bachelor students have priority in the event of bottlenecks in the Bachelor elective offer.

Each student may select elective modules of their choice. As long as there are spaces available, all general required elective modules and subject-specific required elective modules (AWPM and FWPM) offered by HSWT may be chosen as elective modules. In addition to registering via MyCampus, students must also speak to the relevant lecturer.

## 3 Protection of students during pregnancy, after childbirth and while breastfeeding

The Maternity Protection Act also applies to students. The purpose of the law is to protect the health of the woman and her child in her place of study during pregnancy, after childbirth and while breastfeeding. The law aims to enable students to continue their studies during this period without posing risks to their health or that of their children, and to counteract disadvantages during pregnancy, after childbirth, and during the breastfeeding period.

In the following compulsory modules of the Master's degree programme, the participation of students during pregnancy, after childbirth and while breastfeeding is only possible in compliance with certain restrictions. The student must consult the lecturer before participating:

Nr.	Module	Potential sources of risk
356221030	Soil & Water Resources and Climate Change   SPO 2022/23	Field trips
356201040	Statistics & Dendroecology	Field trips, laboratory work
356221050	Project 1 - Data Competence for Climate Change Management   SPO 2022/23	Field trips
356222020	Biological Sinks & Technical Solutions   SPO 2022/23	Field trips
356222030 356222030	Landscape & Landuse Planning; Governance, Law and Economics   SPO 2022/23 Landscape & Landuse Planning; Governance, Law and Economics   SPO 2020/21	Field trips
356222050	Biodiversity & Global Ecosystems   SPO 2022/23	Field trips
356202040	Project 2 - Planning Solutions	Field trips

If you have any questions about participating in the required elective modules or elective modules, please contact the relevant lecturer.