WEIHENSTEPHAN · TRIESDORF
University of Applied Sciences

COURSES IN ENGLISH - Weihenstephan Campus

WINTER TERM 2023/24*

COURSE OVERVIEW

[SWS = Hours / week; EC = European Credits]

DEPARTMENT OF BIOENGENEERING SCIENCES		
811600190	Process Plant Engineering (Master level)	4 SWS / 6 EC
DEPARTMENT OF HORTICULTURE AND FOOD TECHNOLOGY		
	Project Work - Horticultural Research	max. 30 EC
	Project Work - Food Technology Research	max. 30 EC
922000040	Technical English for Food Technologists	2 SWS / 3 EC
922000030	Technical English for Horticulturists	2 SWS / 3 EC
DEPARTMENT OF LANDSCAPE ARCHITECTURE		
251143030	Planning and Design 3	7 SWS / 10 EC
251147X10	Advanced Planning and Design 2	7 SWS / 10 EC
	Elective Modules	2 - 4 SWS / 2,5 - 5 EC
356201030	Natural Resources & Landuse Systems	4 SWS / 5 EC
356201020	Digital Tools	4 SWS / 5 EC
	Modules Master of Landscape Architecture (IMLA)	2 - 8 SWS / 2,5 - 10 EC

*Course offerings are preliminary and may be subject to change.
For an up-to-date list and timetable, please check online: https://www.hswt.de/en/international/ways-to-the-hswt/exchange-students

DEPARTMENT OF SUSTAINABLE AGRICULTURE AND ENERGY SYSTEMS		
910900080	International Marketing	2 SWS / 3 EC
234127310	Intercultural Communication / International Energy Law	4 SWS / 5 EC
910200470	Renewable Energy Business in Asia	2 SWS / 2,5 EC
912000020	Technical English for Agriculturists I	2 SWS / 3 EC
DEPARTMENT OF FORESTRY		
911400150	Natural Resources Management: Use and Protection of Tropical Forests	2 SWS / 2,5 EC
922000070	Technical English for Forest Engineers	2 SWS / 3 EC
355182050	Entrepreneurial Marketing (Master level)	4 SWS / 5 EC
355182060	Job-oriented Communication (Master level)	4 SWS / 5 EC
ONLINE COURSES		
911300370	Agricultural Machinery Costs Calculation - MOOC (Massive Open Online Course)	2 - 4 SWS / 2,5 - 5 EC
n.n.	Agrarian Production Economics - MOOC (Massive Open Online Course)	2 - 4 SWS / 2,5 - 5 EC
LANGUAGE CLASSES		
922000070	Technical English for Forest Engineers	2 SWS / 3 EC
922000030	Technical English for Horticulturists	2 SWS / 3 EC
922000040	Technical English for Food Technologists	2 SWS / 3 EC
922000050	Technical English for Brewing and Beverage Technologists	2 SWS / 3 EC
980500080	English UNIcert III – Intercultural Communication	2 SWS / 3 EC
980500060	English UNIcert III – Job-Oriented Language Competence	2 SWS / 3 EC
	German as a Foreign Language (various levels)	2 SWS / 3 EC
	Foreign Language Classes: English, French, Spanish, Italian, Russian, Chinese (various levels)	2 SWS / 3 EC

[SWS = hours / week]

Can't find what you are looking for?
Please inquire with us about the availability of project work in your field of interest by sending an email to: julia.daschner@hswt.de

Last Update: 12/07/2023
Course offerings are preliminary and may be subject to change.
For an up-to-date timetable please check online: https://www.hswt.de/en/international/ways-to-the-hswt/exchange-students

COURSE DESCRIPTIONS

Department of Bioengineering Sciences
Fakultät Bioingenieurwissenschaften

811600190: Process Plant Engineering (Master Level)

Hours/week:	ECTS-credits:	Recommended prerequisites:	Lecturer:
4 SWS	6 EC	knowledge of unit operations, biotechnology, measurement and control technology, process automation	Prof. Millitzer

Learning outcome:
When you have completed this course, you should:
- know the various steps throughout engineering and construction of a plant
- know and be able to apply the tools used throughout engineering and construction of a plant
- be familiar with the contractual and legal issues throughout engineering and construction of a plant
- have a good knowledge of the basic principles of quality assurance throughout engineering and instruction of a plant
- have gained further experience in team work: execution of an engineering project by a project team; presentation and discussion of the outcomes of an engineering project with experts from industry

Content:
- Introduction
- Feasibility Study
- Process Development
- Conceptual Design
- Basic Design
- Detail Design
- Project Execution
- Construction
- Commissioning
- Contracts
- Validation and Qualification

Literature:
- hand book and exercises for course „Process Engineering“

English Textbooks:
- Elvers, B., Hawkins, S. Schulz, G., Ullmann`s Encyclopedia of Industrial Chemistry, Volume B4: Principles of Chemical Reaction Engineering and Plant Design, 5. edition, VCH Verlagsgesellschaft, Weinheim, 1992.
- Green, D. W., Perry, R. H., Perry`s Chemical Engineers´ Handbook, 8. edition, McGraw-Hill Book Company, New York, 2008.
- Backhurst, J. R., Harker, J. H., Process Plant Design, Heinemann Educational Books Ltd., London, 1973.

Assessment methods: written examination; 90 min.

Room Schedule: TBA (to be announced)

Department of Horticulture and Food Technology
Fakultät Gartenbau und Lebensmitteltechnologie

Project Work - Horticultural Research

Hours/week:	ECTS-credits:	Recommended prerequisites:	Lecturer:
up to 40 hrs/ week	5 - 30 EC	Background in Horticulture or similar field	Prof. Dr. Dominikus Kittemann; Prof. Dr. Heike Mempel

The research project allows students to achieve between 5 to 30 EC by giving them the flexibility to decide themselves how many hours of project work they would like to contribute:
one EC corresponds to 27 hours of project work on average per semester.
A full-time participation (40 hours/week) for one semester will earn 30 EC.

If you are interested in attending other modules and/or language classes in addition to the project work, we advise students to sign up for less hours of project work.
Research topics vary and interested students should inquire about current ongoing research projects *before sending their application* for a study exchange to HSWT. Together with the student, the supervising teachers and researchers will agree on the research topic and work amount for each student individually.
The project work encompasses e.g. preparation of a research plan, definition of the experimental design, survey of relevant literature, execution of practical tasks related to the research, analysis, presentation and reporting of results, etc.
Exchange students will be integrated into ongoing R&D activities at the IGB (Institute of Horticulture), in which
various research topics in and along horticultural supply chains are investigated (mainly with third party funding). They will thus become temporary members of the research team while with us.

If you are interested in participating, please send an e-mail to the departmental coordinator Prof. Dr. Stefan Krusche (stefan.krusche@hswt.de), including information on your academic background, practical experience and motivation; you may include any particular topics of interest and we consider these as much as possible.

Assessment methods: research paper

Project Work - Food Technology Research

Hours/week:	ECTS-credits:	Recommended prerequisites:	Lecturer:
up to 40 hrs/ week	5 - 30 EC	Background in Food Technology or similar field	Prof. Dr. Heike Mempel Prof. Dr. Özlem Özmutlu-Karslioglu

The research project allows students to achieve between 5 to 30 EC by giving them the flexibility to decide themselves how many hours of project work they would like to contribute: one EC corresponds to 27 hours of project work on average per semester.
A full-time participation (40 hours/week) for one semester will earn 30 EC.

If you are interested in attending other modules and/or language classes in addition to the project work, we advise students to sign up for less hours of project work.
Research topics vary and interested students should inquire about current ongoing research projects *before sending their application* for a study exchange to HSWT. Together with the student, the

supervising teachers and researchers will agree on the research topic and work amount for each student individually.
The project work encompasses e.g. preparation of a research plan, definition of the experimental design, survey of relevant literature, execution of practical tasks related to the research, analysis, presentation and reporting of results, etc.
Exchange students will be integrated into ongoing R&D activities at the ILM (Institute of Food Technology) where various topics in all areas of food research are investigated, from raw material production to processing and marketing. They will thus become temporary members of the research team while with us.
If you are interested in participating, please send an e-mail to the departmental coordinator Prof. Dr. Eckhard Jakob (eckhard.jakob@hswt.de), including information on your academic background, practical experience and motivation; you may include any particular topics of interest and we consider these as much as possible.

Assessment methods: research paper

Department of Landscape Architecture
Fakultät Landschaftsarchitektur

251143030: Planning and Design

Hours/week:	ECTS-credits:	Recommended prerequisites: for students with background in Landscape Architecture	Lecturer:
7 SWS	10 EC		Prof. Dr. Christian Huber

*Please note: this course **cannot** be combined with the course "Advanced Planning and Design"*

This module is a 3rd semester module and consists of 3 parts.

Project Work - Content:
For the 'Landscape and Land Use Planning' project, students have to work in groups to draw up a landscape plan for a small community. This includes the following stages:
- Analysing the basic planning conditions and the environmental problems to be resolved
- Taking a detailed inventory and assessing the natural resources: soil, groundwater and surface water, climate/air, the landscape and species/communities
- Analysing and evaluating existing data bases (e.g. protected species maps, protection of species and biotopes programme, soil maps, etc.)
- Carrying out comprehensive (re-)mapping on site
- Developing a landscape planning objectives and measures concept and coming up with suggestions for how such planning statements could be taken into account in land use planning or incorporated into the land use plan

Aim
- To create up-to-date landscape planning maps and a commentary using digital media (practical use of MS Office, CAD and GIS)

The main component of the 'Landscape and Land Use Planning' module is the practical project work (six credits in the course organised as a project), which allows the students to practically apply the planning skills they have acquired during their seminars in a landscape and environmental planning context.

In order to ensure that the project work is completed effectively, and that students have the chance to choose a specialism that corresponds to their personal interests and preferences, the project is accompanied by a specialist elective course (course number: 25107303B) and a course on planning methodology taught in seminars (course number: 25107303C). Both of these courses relate to the project work, providing students with the knowledge they will need to complete their projects. The aim of linking tutorials and seminars to the project work is to ensure that students make quick and focused progress with their work on their first project during this large time frame, despite having only 30% contact time, and that they are able to organise and work on their projects independently
Assessment methods: TBA (to be announced)
Room Schedule: TBA (to be announced)

251147X10: Advanced Planning and Design (LP,TP,FP)

Hours/week:	ECTS-credits:	Recommended prerequisites:	Lecturer:
7 SWS	10 EC	for students with advanced knowledge in Landscape Architecture	TBA (to be announced)

*Please note: this course **cannot** be combined with the course "Planning and Design 3"*

This module is a 7th semester module.

In this advanced Landscape Architecture course students will choose between:

1) Planning & Design in Free Space Planning (module code: 251147110)

2) Planning & Design in Landscape Planning (module code: 251147210)

3) Planning & Design in Urban Planning (module code: 251147310)

further details to be announced

Assessment methods: TBA (to be announced)
Room Schedule: TBA (to be announced)

Elective Modules

Hours/week:	ECTS-credits:	Recommended prerequisites:	Lecturer:
2 - 4 SWS	2,5 - 5 EC	Students with background in Landscape Architecture	

1) Co-creative Collaboration - Successfully Designing and Implementing Projects as a Team (5 EC)
Prof. Sonja Hörster

In this module, we will try suitable methods and techniques for successfully developing and implementing spatial projects in teams with a practical approach.
We will deepen our knowledge in regards to teamwork in job specific and planning related contexts by alternating between theoretical inputs and practical exercises. Course contents can include:
· Planning and structuring teamwork together
· Role-play and change of roles in teams
· Which team type am I? What are the strengths of my type? What should I pay attention to in the future?
· Co-creative forms of teamwork
· Reflecting as a group and feedback

· How to deal with conflicts?
· Preparing and giving presentations as a team

Objectives of the Course/Learning Outcomes:
Students will
· learn to structure and plan working together as a team
· try suitable communication as well as creative techniques for teamwork
· train to be aware of communicative processes, to shape and reflect on them
· practise co-creative methods for successful teamwork
· expand their skill set in regard to jointly working in teams and presenting their results
· expand their abilities to express themselves clearly in job-related situations and find viable solutions during
planning processes at work
· learn to understand and develop their own communicative behaviour
· train their social skills to interact with others

2) Individual Project (5 EC)
- After consultation with our professors, it is also be possible to do an individual project, either alone or in a small group with other students. You may propose an idea in your field of interest, participate in a competition or ask for a suggestion of the department. --

Assessment methods: TBA (to be announced)

Room Schedule: TBA (to be announced)

356201030: Natural Resources & Landuse Systems

Hours/week:	ECTS-credits:	Target group:	Lecturer:
2 - 4 SWS	2,5 - 5 EC	Students in relevant fields of study	Prof. Dr. Lorz und Max

This module is part of the Master programme **Climate Change Management** and consists of two parts: Natural Resources & Landuse Systems. These may be chosen separately or together.
Please note: this module is currently being restructured, further details will be announced

35620103A - SOIL SYSTEMS AND CLIMATE CHANGE (2,5 EC)
The course aims to discuss the basics for an understanding of the effects of climate change on soil systems for four thematic complexes. Successful students of the course will have a deeper understanding of the mechanisms and vulnerabilities of soil systems and will be able to use selected approaches to assess effects of climate change on soil systems.

Soil erosion
- What are the main controlling factors for soil erosion?
- How will climate change affect soil erosion?
- What are the major tools to assess the risk of soil erosion?

Soil hydrology and regional hydrology
- What are the main controlling factors for water capacity, water retention, seepage and groundwater recharge?
- How will climate change affect water balance?
- What are the major tools to assess the effects of climate change on soil hydrology?

Soil organic matter

- What are the main controlling factors for soil organic matter dynamics?
- How will climate change affect soil organic matter dynamics?
- What are the major tools to assess the effects of climate change on soil organic matter?

Soil fertility and aspects of plant nutrition
- What are the main controlling factors for soil fertility and the availability of plants' nutritional elements?
- How will climate change affect soil fertility and the availability of plants' nutritional elements?
- What are the major tools to assess the effects of climate change on soil fertility?

Field training (4 x half day)
The aim of the field training is to understand non-complex methods for the field-based assessment of effects of climate change on soil systems, incl. Erosivity, erosion risk, seepage and groundwater recharge (forestry/agriculture)/ Water capacity and water retention (forestry/agriculture)/ Soil organic matter (forestry/agriculture) /Soil fertility and nutrient availability (agriculture), with final presentation of results by students.
The aim of the presentation is to synthesise theory and basic knowledge with field-based experiences. Small groups of students are responsible for collecting data and presenting an analysis. The presentation will be the exam for the course.

35620103B - FORESTRY SYSTEMS, NATURE CONSERVATION & CLIMATE CHANGE (2,5)

- Identify valuable species and habitats, and assess their habitat claims and threats
- Gain the ability to assess species' climate change sensitivity
- Obtain, present and evaluate facts related to nature conservation
- Evaluate the nature conservation effect of different land uses
- Designate protected areas and biotope networks from the perspective of climate change-relevant ecosystem services
- Examine, weigh up and formulate scientific and social-scientific arguments for validity
- Analyse conflicts between protection and land-use interests in a climate context
- Develop, present and argue alternatives and compromises for politics and stakeholders
- Use life traits to indicate climate sensitivity of organisms
- Define the role of habitat vs climate for the occurrence of organisms along a climate gradient

Assessment methods: TBA (to be announced)

Room Schedule: TBA (to be announced)

356201020: Digital Tools

Hours/week:	ECTS-credits:	Target group:	Lecturer:
2- 5 SWS	5 EC	Students in relevant fields of study	Prof. Dr. Olaf Schroth

This module is part of the Master programme **Climate Change Management** and consists of two parts: GIS (35620102A) and Remote Sensing (35620102B). These may be chosen separately or together.

Aim of the module is to aquire knowledge of geographic data processing and learn how to apply an internationally used GIS-software (Geopgraphic Information System). In addition, the focus is on the ability to perform basic GIS management and analysis functions.

GIS (Geographic Information Systems) – 35620102A:

- Overview of GIS and its role in analysing and modelling changes in land use and climate-relevant processes, development histories, current trends and emerging future areas of application
- Visualisation of the impacts of climate change and of geodata-based measures for adopting to and mitigating climate change

Remote Sensing – 35620102B:

- Knowledge of remote sending systems and data
- Knowledge about the application of remote sensing data
- The ability to conduct fundamental analyses of remote sensing data
- The ability to critically evaluate the application of remote sending data and its quality

Assessment methods: tba

Room Schedule: tba

356201020: Economic Botany – Global Plant Resource Utilisation

Hours/week:	ECTS-credits:	Target group:	Lecturer:
2 SWS	2,5 EC	Students in relevant fields of study	Prof. Dr. Annette Patzelt

This module is part of the Master programme **Climate Change Management.**

This international course offers a global overview of economically important plants and their products. It demonstrates the extent to which humans use plants in the products that support our lives and societies.

General topics cover universal and familiar uses of plants as a source of food, fuel, building materials, and industrial raw materials. The course also covers more specialised uses such as medicinal plants, volatile oils, herbs, spices and fibres. Specific topics include the origins of agriculture and the biogeographical history of important cultivated plants. Themes such as reducing the diversity of wild populations of economically useful plants, and controlling the commercial production in increasingly globalised markets are incorporated. The course also considers practical and ethical issues such as bio-piracy, bioprospecting, and the increasing privatisation of patenting of basic food plants. Climate change sensitivities and management options for specific crops will be discussed.

Assessment methods: Project work and presentation

Room Schedule: TBA (to be announced)

Department of Sustainable Agriculture and Energy Systems
Fakultät Nachhaltige Agrar- und Energiesysteme

910900080: International Marketing (SU) FWPM

Hours/week:	ECTS-credits:	Recommended prerequisites:	Lecturer:
2 SWS	3 EC	Students with basics in Marketing	Malte Anselm Beyer

Objectives of the course/Learning outcome:

This course will develop practical competences for expansion into international markets and coordination of the activities:

- Basics of international Marketing strategies
- Specifics of the Marketing Mix in international business

• Case studies and practical examples
Assessment methods: Written examination, 60 min in German or English
Room Schedule: TBA (to be announced)

234127310 (ME): Intercultural communication / International Energy Law *(the two parts of the module may be chosen separately)*

Hours/week:	ECTS-credits:	Recommended prerequisites:	Lecturer:
4 SWS	5 EC	TBA (to be announced)	Prof. Dr. Tanja Barton

Objectives of the course/Learning outcome:

Intercultural Communication:

The students…

- are aware of the division of different business areas on the global market (e.g. Europe, USA, South-America, Asia)
- know the most important differences of business habits and behavior on the different markets
- practice different "real life situations" in which they need different types of soft skills vis-à-vis their foreign business partners in order to communicate successfully
- are training intercultural communication with different global business partners from Europe, the USA, South-America and Asia

International Energy Law:

The students…

- are aware of the three different levels of law (hierarchy of law) as there are the international, European and national level
- know the legal basis for international and European legal acts (Art. 288 Treaty of the Functioning of the European Union)
- can explain why international and European regulations are strictly binding for the UN and European member states
- are able to cite the legal scheme of laws and regulations relating to renewable energies on the international level (e.g. pre- and post-Kyoto process)
- are able to name the main EU Regulations and Directives relating to energy law as well as their transformation into national laws, especially German law

Assessment methods: written exams

Room Schedule: TBA (to be announced)

910200470: Renewable Energy Business in Asia

Hours/week:	ECTS-credits:	Recommended prerequisites: 1st to 4th semester	Lecturer:
2 SWS	2,5 EC		Dr. Jes Villa

Objectives of the course/Learning outcome:

By the end of the course, the students will have a fuller appreciation of the forces that have shaped the principal Asian countries, a deeper understanding of the economic differences between the major countries, and an insight into the distinguishing business characteristics of each nation.

Assessment methods: proof of attendance (Teilnahmenachweis), written report (Studienarbeit)

Room Schedule: TBA (to be announced)

Department of Forestry
Fakultät Wald und Forstwirtschaft

911400150: Natural Resources Management

Hours/week:	ECTS-credits:	Recommended prerequisites:	Lecturer:
2 SWS	2,5 EC	open to all students	Dr. Teresa Schwarzkopf (contact: Prof. Dr. Carsten Lorz)

OVERVIEW

This course is a tour through tropical forests, the most productive and diverse terrestrial ecosystem. The aim of this course is to provide students an overview about where they are, under what conditions they have developed as well as their significance. Several key subjects about tropical forests will be addressed, including diversity patterns and maintenance, ecosystem services and productivity. Tropical forests management, restoration and conservation will be at the core of the course. The impact of climate change as well as its significance on carbon sequestration processes will be discussed. Weekly lectures and seminars on specific topics will be carried out.

OBJECTIVES

1. Understand how geographic and climatic factors determine global distribution of tropical forests and how different forest types are the result of these factors.
2. Understand the significance of tropical forests in terms of biodiversity and other ecosystem services.
3. Learn about challenges and tradeoffs of use, protection, restoration and conservation of tropical forests.
4. Develop skills towards critically reading scientific literature on the subject**.**

CONTENT

1. Introduction
2. Distribution and types
3. Climate and soils. Scales and gradients
4. Biodiversity patterns and hypotheses
5. Biogeography and species interactions
6. Forest structure, biomass and productivity
7. Tropical mountain forests and treelines
8. Succession and fragmentation
9. Deforestation and selective logging
10. Global change and human livelihoods
11. Long term monitoring and knowledge gaps
12. Use, reduced impact logging, restoration and conservation challenges

For questions please contact carsten.lorz@hswt.de

Assessment methods: work of study

Room Schedule: TBA (to be announced)

355182050 (MEE): Entrepreneurial Marketing (Master level)

Hours/week:	ECTS-credits:	Recommended prerequisites:	Lecturer:
4 SWS	5 EC	background in basics of marketing	Prof. Dr. Markus Beinert

Objectives of the course/Learning outcome:

By the end of the course, the students will be able to

- apply the entrepreneurial approach of marketing (Entrepreneurial Marketing) in various forms in practice
- apply methods for identifying market opportunities in practice
- apply methods of ideation at the Fuzzy front end of innovation
- assess, compare and integrate business models in the field of renewable energy and their various revenue structures
- apply qualitative and quantitative statistical methods of market structuring / segmentation and the generation of customer / market knowledge
- use mathematical methods to reliably estimate potentials
- mathematically develop business cases and assess the influence of different market parameters in complex simulations (e.g. different take-rates / usage levels in different target segments, initial purchase / repurchase, etc.)
- position innovative product and service concepts vis-à-vis the stakeholders, and develop and implement suitable concepts for products, pricing, distribution and communication
- utilize the methods of brand management and controlling
- apply concepts to build and maintain relationship networks, alliances and cooperative business relationships with key partners

Assessment methods: written exam

Room Schedule: TBA (to be announced)

355182060 (MEE): Job-oriented Communication (Master level)

Hours/week:	ECTS-credits:	Recommended prerequisites:	Lecturer:
4 SWS	5 EC	B2 English proficiency	Walter Strauss / Beverley Kubiak

Learning outcome:

After completing the module, students are able to:

- Understand and apply written and spoken English of high complexity in study and university-relevant situations as well as in professional contexts at level C1 of the European Framework of Reference

Objectives of the course:

Written Communication

- The ability to understand relevant written types of text in the foreign language (incl. their rules and the linguistic means) and independently apply/create such texts with a wide range linguistic means.
- Development of learning strategies that serve the independent further development of the language skills of the students.

Job-oriented communication

- The ability to understand the foreign language in written and spoken form in professional communication situations and to use it functionally and competently using a wide range of linguistic means
- Development of learning strategies that serve the independent further development of the language skills of the students.

Assessment methods: written and oral exam

Room Schedule: TBA (to be announced)

ONLINE COURSES

911300370: Agricultural machinery costs calculation - MOOC (Massive Open Online Course)

Hours/week:	ECTS-credits:	Recommended prerequisites:	Lecturer:
2 or 4 SWS	2,5 or 5 EC	a basic knowledge in the field of agricultural sciences is required.	Prof. Ralf Schlauderer

Objectives of the course

The goal of the course is to provide the theoretical basis for decision-making in production and the subsequent illustration on specific practical examples. In this case, the course deals primarily with the issue of purchasing long-term means of production such as tractors. In the process, the question is addressed whether the long-term means of production should preferably be purchased or leased. With the example of such questions, the theoretical basics of economic decisions are illustrated and discussed. Subsequently the developed theoretical principles are applied to specific practical examples. The results are discussed and evaluated from the perspective of decision-makers. Additionally, the course is utilizing Moodle. For each module, there is time for questions and discussions in a virtual chat room scheduled, to which all users have access to.

Learning outcome:

- To accurately define costs, to explain cost categories and to apply the terms to examples of agriculture
- To define and apply machinery costs, procedural costs and comparative costs
- To calculate and appropriately interpret the total costs per year and costs per unit of output such as tractors hours or hectares
- To calculate the Minimum Extent of Utilization for machinery, equipment and typical agricultural means of production and to appropriately evaluate the results.

By submitting additional coursework and holding a final presentation, students may acquire up to 5 EC in total for this module.

Contact person for registration and questions: Dr. Aristakesyan (aram.aristakesyan@hswt.de)

Assessment methods: If participating in the final examination (presence at the HSWT or at a partner universities required) participants receive a certificate

Room Schedule: n/a

Agrarian production economics - MOOC (Massive Open Online Course)

Hours/week:	ECTS-credits:	Recommended prerequisites:	Lecturer:
2 or 4 SWS	2,5 or 5 EC	a basic knowledge in the field of agricultural sciences is required.	Prof. Ralf Schlauderer

Objectives of the course

- to foster modern lecturing and teaching in universities
- to make university knowledge online available for all interested groups of our societies

Course Content

The goal of the course is to provide the theoretical basis for decision-making in agricultural production and the subsequent illustration on specific practical examples for crop production. In this case, the course deals primarily with the issue of short- and long-term costs calculation means of crop production such as winter wheat. In the process, the question is addressed whether the crop production short- and long-term is profitable or not. With the example of such questions, the theoretical basics of economic decisions are illustrated and discussed. Subsequently the developed theoretical principles are applied to specific practical examples. The results are discussed and evaluated from the perspective of decision-makers. Additionally, the course is utilizing Moodle. For each module, there is time for questions and discussions in a virtual chat room scheduled, to which all users have access to. By submitting additional coursework and holding a final presentation, students may acquire up to 5 EC in total for this module. **Contact person for registration and questions: Dr. Aristakesyan (aram.aristakesyan@hswt.de)**
Assessment methods: If participating in the final examination (presence at the HSWT or at partner universities required) participants receive a certificate
Room Schedule: n/a

Language Centre
Sprachenzentrum

982000030: Technical English for Forest Engineers

Hours/week:	ECTS-credits:	Target group:	Lecturer:
2 SWS	3 EC	Students with English knowledge on level B2	Stephanie Koch-Grimm

Objectives of the course/Learning outcome:

This course, which is held on *level B2 of the Common European Framework of References for Languages (CEFR)*, has the following objectives or learning outcomes:

- To increase knowledge of subject-related vocabulary (e.g. tree anatomy and physiology, describing different types of harvesting methods, forestry processes)
- To improve reading skills on subject-related topics (e.g. biodiversity, wildlife habitat relationships)
- To develop language skills such as summarizing information acquired from reading articles on forestry topics.
- To improve English communicative competence (both written and spoken) by offering opportunities for discussion (on such topics as forest recreation) and written tasks (for example, opinion essay, describing a forestry process)
- To practice listening to and watching authentic talks / lectures held in English (e.g. describing processes / activities in the forest)
- To develop learning strategies, which enhance the students' own independent learning skills

Assessment methods: TBA (to be announced)

Room Schedule: https://www.hswt.de/en/about-us/central-facilities/language-centre/courses-at-weihenstephan.html

922000030: Technical English for Horticulturists

Hours/week:	ECTS-credits:	Target group:	Lecturer:

2 SWS	2,5	Students with English knowledge on level B2	tba

Objectives of the course/Learning outcome:

- Develop a broad understanding of technical terminology in horticulture
- Ability to analyse difficult scientific texts
- Ability to make a presentation in English

Course content:

- Edible Plants grown from seed
- Soils and growing media
- Plant nutrition
- Plant propagation – generative
- Plant propagation – vegetative and xenovegative
- Aspects of plant physiology
- Aspects of plant pathology – diseases
- Aspects of plant pathology – pests
- Aspects of plant pathology – abiotic
- Intellectual property rights
- Communication in business
- Cultural techniques in horticulture

Assessment methods: written exam, 90 min, Presentation of a scientific paper

Room Schedule: https://www.hswt.de/en/about-us/central-facilities/language-centre/courses-at-weihenstephan.html

982000020: Technical English for Food Technologists

Hours/week:	ECTS-credits:	Target group:	Lecturer:
2 SWS	3 EC	Students with English knowledge on level B2	Kristina Breith

Objectives of the course/Learning outcome:

- technical terminology for food scientists
- presentations of food subjects by students
- listening comprehension/ reading comprehension
- summary writing
- business and communication skills
- brushing up grammar
- discussion of food related topics, e.g. genetically modified food, slow food, food safety, packaging

Assessment methods: written exam 90 min, presentation, oral mark.

Room Schedule: https://www.hswt.de/en/about-us/central-facilities/language-centre/courses-at-weihenstephan.html

982000010: Technical English Brewing and Beverage Technology

Hours/week:	ECTS-credits:	Target group:	Lecturer:
2 SWS	3 EC	Brewing and beverage technologists	C. McGreger

Objectives of the course/Learning outcome:

This course, which is held on *level B2 of the Common European Framework of References for Languages (CEFR)*, has the following objectives or learning outcomes:

- To increase knowledge of subject-related vocabulary
- To improve reading skills on subject-related topics
- To develop language skills such as summarizing information acquired from reading articles

- To improve English communicative competence (both written and spoken) by offering opportunities for discussion and written tasks - To practice listening to and watching authentic talks / lectures held in English - To develop learning strategies, which enhance the students' own independent learning skills.
Assessment methods: tba
Room Schedule: https://www.hswt.de/en/about-us/central-facilities/language-centre/courses-at-weihenstephan.html

980500080 - English UNIcert ® III – Intercultural Communication

Hours/week:	ECTS-credits:	Target group:	Lecturer:
2 SWS	3 EC	Students with English knowledge on level B2	Walter Strauß und Michael Schweighofer

Learning Outcomes:

- The ability, in a general language context, to understand the foreign language in written and spoken form and to use the foreign language functionally and competently in a general language context, using a wide range of linguistic resources with a high degree of accuracy.
- The development of cultural sensitivity and the ability to recognize intercultural problems in international contacts and to use strategies for constructive communication
- To develop learning strategies that serve the independent development of students' language skills.

Course Content:

- Acquisition and development of language skills (listening comprehension, reading comprehension, speaking, writing, grammar, vocabulary)
- Training of oral competence in preparation for dealing with regional studies and intercultural issues for a stay abroad (projects, case studies, role plays, presentations, etc.)
- Training of reading skills when dealing with sources in preparation for projects

Assessment methods: TBA (to be announced)

Room Schedule: https://www.hswt.de/en/about-us/central-facilities/language-centre/courses-at-weihenstephan.html

980500060 - English UNIcert ® III – Job-oriented language competence

Hours/week:	ECTS-credits:	Target group:	Lecturer:
2 SWS	3 EC	Students with English knowledge on level B2	Walter Strauß

Learning Outcomes:

- To be able to understand the foreign language in written and spoken form in professional communication situations and to use it functionally and competently with the largely correct use of a wide range of linguistic means.
- To develop learning strategies that serve the independent development of the student's language skills.

Course Content:

- Acquisition and development of language skills (listening comprehension, reading comprehension, speaking, writing, grammar, vocabulary)

• Dealing with professional and study-oriented communication situations (presentations, job applications in the foreign language, etc.)
Assessment methods: TBA (to be announced)
Room Schedule: https://www.hswt.de/en/about-us/central-facilities/language-centre/courses-at-weihenstephan.html

Foreign Language classes, various Levels (tba)

Hours/week:	ECTS-credits:	Target group:	Lecturer:
2 SWS	3 EC	TBA (to be announced)	tba

The following language courses/levels are available:

UNIcert courses:
- English (up to C1)
- Spanish (up to B2)
- French (up to B2)
- Italian (up to A2)
- Russian (up to A2)

General language courses:
- Chinese (up to A2)
- Dutch (up to A2)

***Please note**:*
To join courses, students will have to complete an assessment test (not applicable for beginners courses)
Language classes can only take place if there is a sufficient number of interested students

Assessment methods: exam

Room Schedule: https://www.hswt.de/en/about-us/central-facilities/language-centre/courses-at-weihenstephan.html