

COURSES IN ENGLISH - Weihenstephan Campus

SUMMER TERM 2024*



COURSE OVERVIEW

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

DEPARTMENT OF BIOENGINEERING SCIENCES

910900280	<u>International Beer Styles</u>	2 SWS / 3 EC
81010001A	<u>Seminar: Peptides and Peptidases</u>	2 SWS / 3 EC
911900530	<u>Lecture Series "Sustainability in Horticulture and Food Technology"</u>	2 SWS / 3 EC
<i>to be confirmed</i>		
	<u>Project Work - Horticultural Research</u>	max. 30 EC
	<u>Project Work - Food Technology Research</u>	max. 30 EC

DEPARTMENT OF LANDSCAPE ARCHITECTURE

	<u>Advanced Planning and Design</u>	7 SWS / 10 EC
910600410	<u>Freehand Drawing and Watercolour-sketching</u>	4 SWS / 5 EC
<i>to be confirmed</i>		
	<u>Elective Modules</u>	<i>as indicated</i>
	<u>Modules: Master of Landscape Architecture (IMLA)</u>	<i>as indicated</i>
356222010	<u>Mitigation and Adaptation in Forests and Agriculture</u>	2 SWS / 5 EC
<i>to be confirmed</i>		
356222030	<u>Landscape & Landuse Planning, Governance, Law & Economics</u>	4 SWS / 5 EC
<i>to be confirmed</i>		

*Status: 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>

DEPARTMENT OF SUSTAINABLE AGRICULTURE AND ENERGY SYSTEMS

911900540 Sustainable Rural Development in Developing 2 SWS / 3 EC
to be confirmed & Industrialized Countries

234186350 International Challenges of Renewable Energy 4 SWS / 5 EC
Sources

910100210 Advanced Pricing Methods 2 SWS / 3 EC
to be confirmed

234184350 International Marketing Project 4 SWS / 5 EC

DEPARTMENT OF FORESTRY

355141050 International Climate and Energy Policy 2 SWS / 3 EC

35514106 Intercultural Competence 4 SWS / 5 EC

353221010 Economic Planning and Management in Forest 4 SWS / 5 EC
Industries

353221040 Information Management 4 SWS / 5 EC

ONLINE COURSES

911300370 International Agrimanagement 2 SWS / 3 EC
(MOOC - Massive Open Online Course)

930200260 Assessment of agricultural production 2 - 4 SWS /
procedures - MOOC (Massive Open Online 2,5 - 5 EC
Course)

LANGUAGE CLASSES

981600010 Practical English for Science Students 2 SWS / 3 EC

912000080 Technical English for Agriculturists II 2 SWS / 3 EC

982000010 Technical English for Brewing and Beverage 2 SWS / 3 EC
Technologists

922000050 Technical English for Landscape Architects 2 SWS / 3 EC

982000020 Technical English for Food Technologists 2 SWS / 3 EC

982000080 Technical English for Renewable Energies 2 SWS / 3 EC

German as a Foreign Language (various levels) 2 SWS / 3 EC

Other foreign Language Classes (various levels): 2 SWS / 3 EC
English, French, Spanish, Italian, Russian,
Chinese

Can't find what you are looking for?

Please inquire with us about the availability of credit-relevant project work in your field of interest by sending an email to: julia.daschner@hswt.de

COURSE DESCRIPTIONS*

Department of Bioengineering Sciences

Fakultät Bioingenieurwissenschaften

910900280: International beer styles

Hours/week: 2 SWS	ECTS-credits: 3	Recommended prerequisites: for students with a background in Brewing and Beverage Technology	Lecturer: Christopher McGreger
Objectives of the course/Learning outcome: To develop an understanding of the following: <ul style="list-style-type: none"> - the general origins of beer brewing and its connection to the domestication of cereals - the great diversity of modern beer styles and where, why and how this diversity came to be - regional differences and similarities among beer styles around the world - details concerning the brewing methods of individual beer styles - knowledge of flavor and aroma characteristics, in part gained through sensory analysis <u>Course content:</u> <ul style="list-style-type: none"> - A brief history of fermented foods with a focus on beer brewing from the last Ice Age to the present: <ul style="list-style-type: none"> · the domestication of cereals and its probable link to brewing · beer and production methods of the first brewers in the ancient Near East · a general survey of the spread of ancient brewing methods throughout Western Eurasia and their dissemination throughout the world · a general survey of the changes that occurred in methodology, technology and ingredients - Modern beer styles and brewing methods <ul style="list-style-type: none"> · where beer brewing is conducted in the world today, both of indigenous origin and using imported methods · the distinctive characteristics and methods in the production of modern beers · to accompany the course material, sensory analysis (tutored tastings) on a wide range of beer styles 			
Assessment methods: Extra credit (recommended): presentation in small groups (2 – 3 students) of a topic relevant to the class, preferably involving practical application of the surveyed brewing practices on a small scale			
Room Schedule: tba			

81010001A Seminar: Peptides and Peptidases

Hours/week: 2 SWS	ECTS-credits: 3	Recommended prerequisites:	Lecturer: Prof. Dr. Schrader
Content: <ul style="list-style-type: none"> • Biochemistry, structure and function as well as applications of selected peptides, peptidases or inhibitors • Links of structures to physiological functions, diseases and related pharmaceutical applications • Physiologic protein digestion, regulation of degradation, food processing and peptide uptake • Peptide hormones, secretion, maturation and function, such as diabetes and insulin • Structure-function relations, e.g., initial binding of SARS-CoV-2 virus to ACE-2 peptidase • Animal toxins, antibiotic peptides and stabilising structure elements • Potential further topics, e.g., neuropeptides, ubiquitylation, HLA peptides, etc. 			
Assessment methods: tba			
Room Schedule: tba			

911900530: Lecture Series "Sustainability in Horticulture and Food Technology"

Hours/week: 2 SWS	ECTS-credits: 3	Recommended prerequisites: background in basics of environmental management	Lecturer: various lecturers in the Department
Objectives of the course/Learning outcome: <ul style="list-style-type: none"> - develop a broad understanding of different aspects of sustainability in horticulture and food supply chains - knowledge about environmental, social and economic dimension of sustainable development - ability to develop sustainability strategies - awareness for deficiencies in sustainability approaches and their implementation - capability to deduce strategies for sustainable development 			
Course content: <ul style="list-style-type: none"> - Sustainability in production systems - Sustainability in supply chains of food and horticultural products - Product carbon footprint (PCF) - verification of sustainability by means of chemical and physical tools - Aspects of fair food 			
Assessment methods: written exam, 90 min			
Room Schedule: tba			

Project Work - Horticultural Research

Hours/week: up to 40 hrs/ week	ECTS-credits: 5-30 EC	Recommended prerequisites: Background in Horticulture or similar field	Lecturer: Prof. Dr. D. Kittermann; Prof. Dr. Elke Meinken; Prof. Dr. Heike Mempel
<p>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.</p> <p>A full-time participation (40 hours/week) for one semester will earn 30 EC.</p> <p>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.</p> <p>Research topics vary and interested students should inquire about current ongoing research projects <i>before sending their application</i> 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.</p> <p>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.</p> <p>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.</p> <p>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.</p>			
Assessment methods: research paper			

Project Work - Food Technology Research

Hours/week: up to 40 hrs/ week	ECTS-credits: 5-30 EC	Recommended prerequisites: Background in Food Technology or similar field	Lecturer: Prof. Dr. Heike Mempel Prof. Dr. Özlem Özmutlu-Karslioglu
<p>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.</p> <p>A full-time participation (40 hours/week) for one semester will earn 30 EC.</p> <p>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.</p> <p>Research topics vary and interested students should inquire about current ongoing research projects <i>before sending their application</i> 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.</p> <p>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.</p> <p>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.</p> <p>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.</p>			
Assessment methods: research paper			

Department of Landscape Architecture

Fakultät Landschaftsarchitektur

Advanced Planning and Design

Hours/week: 7 SWS	ECTS-credits: 10	Recommended prerequisites: for students of Landscape Architecture (semester 4 and above)	Lecturer: tba
<p>This is a 6th semester module in the study programme Landscape Architecture</p> <p>In this advanced Landscape Architecture course students will choose between:</p> <ol style="list-style-type: none"> 1) Planning & Design in Open Space Planning (251146110) 2) Planning & Design in Landscape Planning (251146210) 3) Planning & Design in Urban Planning (251146310) <p>1) Planning & Design in Open Space Planning (251146110) The objectives of the course is to develop and apply subject-related competences:</p> <ul style="list-style-type: none"> • Students apply skills in planning and design methods as part of a practice-oriented project. • They know and understand the requirements for the performance phases 2-3 of the HOAI (legal regulations) as foundation for further stages of implementation preparation. • They engage in depth with current requirements (accessibility, sustainability etc.) in open spaces and apply them as part of the design process. • They acquire in-depth knowledge in the handling plants. • They apply their skills in the plan presentation <p>2) Planning & Design in Landscape Planning (251146210) The objectives of the course is to develop and apply subject-related competences:</p>			

<ul style="list-style-type: none"> • Students deepen their knowledge in the preparation of extensive expert/consulting reports and, including explanation of map work in the field of environmental impact studies / environmental reports (e.g. regulations on compensation and regarding project implementation, etc.) • They apply nature conservation expertise when planned detailed measures, including the assessment and consideration of monetary effects of nature conservation-based concepts and, if appropriate, more economical concept alternatives of compensatory and replacement measures. • Students develop in-depth skills in the IT application (GIS etc.) and plan design <p>3) Planning & Design in Urban Planning (251146310) The objectives of the course is to develop and apply subject-related competences:</p> <ul style="list-style-type: none"> • The students learn to solve complex tasks of urban planning, • they carry out complex analyzes as well as contextual analysis and • develop a conception for a city planning or urban design project, • they work with current planning problems of urban redevelopment <p><i>further details to be announced</i></p>
Assessment methods: <i>tba</i>
Room Schedule: <i>tba</i>

910600410: Freehand drawing and Watercolour-sketching

Hours/week: 4 SWS	ECTS-credits: 5 EC	Recommended prerequisites: Students with background in Landscape Architecture	Lecturer: Prof. Sabrina Wilk and other lecturers
<p>Objectives of the course/Learning outcome:</p> <p>This course is an intensive drawing and watercolour course and stems from a historical engagement with the landscape through painting. The themes also encompass the scope of the urban landscapes to smaller-scale vegetation details.</p> <p>This course will enable students to see and draw perspective space, select pictorial emphases and express forms through personal styles and colours. The course encourages students to explore various techniques and processes of drawing and expand the possibilities of working with watercolours as a contemporary medium. The students practice and hone their drawing and observation skills through various (indoor and outdoor) location-based exercises.</p> <p>After initial tuition, students are required to participate in a one-week excursion (if possible to Italy / fees apply). This forms the main part of the course's content and contact time. This trip intensifies the learning process, as participants must learn to choose their pictorial motifs and themes in new environments and are encouraged to graphically translate their landscape scenes in a variety of different insightful and expressive ways.</p> <p>Students must provide their own drawing and painting materials and are responsible to finance the trip. Details of costs, lists of materials and relevant literature will be made available before the beginning of the course.</p>			
Assessment methods: <i>A series of drawings and watercolour sketches will be produced during the class and handed in at the end of the course. Final assessment and presentations are made upon return. Exact assessment criteria will be given at the beginning of the course.</i>			
Room Schedule: <i>tba</i>			

Electives Modules

Hours/week: 2 - 4 SWS	ECTS-credits: 3 - 5 EC	Recommended prerequisites: Students with background in Landscape Architecture	Lecturer:

A number of English-taught elective modules is offered in the Bachelor degree programme *Landscape Architecture* every semester, often including excursions and project work.

A list of offered electives and further details will usually be available at the end of January for the upcoming summer term (starting March). The electives of the previous summer term give an indication which modules are likely to be offered in the next summer term:

1) 912200260: 3D Visualisation and Building Information Modeling (Prof. Olaf Schroth) 5 EC / 4 SWS

Terrain models, Introduction to BIM, 3D modeling, Creation of materials and textures, Lighting techniques, Parametric modeling, Rendering-Compositing-Postwork, Animation basics, 3D printing; with Cinema4D, Photoshop, CAD and other software programmes

2) 910400070: Design and Construction (Prof. Ingrid Schegk) 5 EC / 4 SWS

3) 910500310: How To Negotiate Effectively (Prof. Cristina Lenz) 5 EC / 4 SWS

Students learn how to systematically prepare for a negotiation, conduct a negotiation in a goal-oriented manner and sensibly document the results of the negotiations.

4) Advanced Conceptual Design (Prof. Uta Strock-Gruber) 5 EC / 4 SWS

5) 911200250: Light Planning in Urban and Open Space Planning (Prof. Birgit Schmidt) 5 EC / 4 SWS

Through theoretic input, spatial aspects of light planning are explained. Through lectures and excursions, information about lighting, light characteristics and general rules of lighting technology are conveyed in depth.

6) 911400300: Natural stone processing and drywall construction (Prof. Thomas Brunsch) 5 EC / 4 SWS

The module deals with the simplest and most sustainable construction method imaginable: the regular layering of processed natural stones into a stele or a wall. The theoretical focus deals with the history of this ancient construction and with its technical basics. Different drywall techniques are presented. Different drywall techniques are presented. Background knowledge on natural stone as a building material and its processing is imparted. In the practical part it will be a matter of building your own natural stone object.

7) 911500190 Public Space - 3 D Modelling (Prof. Rossipal-Seifert) 5 EC / 4 SWS

This module takes place in cooperation with a university in Sankt Petersburg and includes an excursion (fees apply) to Russia. Registration is required by June for visa and travel arrangements etc.

8) Site-specific Artistic Strategies (Prof. Karl-Heinz Einberger) 5 EC / 4 SWS

9) Videography, digital (Prof. Karl-Heinz Einberger) 5 EC / 4 SWS

- Document, tell, experiment and present with moving pictures
- Concept and structure of a film clip: narrative strategies and stylistic means for the creation of moving pictures

10) Natura 2000 in Forestry 3 EC / 2 SWS

Assessment methods: *tba*

Room Schedule: *tba*

Modules: Master of Landscape Architecture (IMLA)

Hours/week: 2 - 4 SWS	ECTS-credits: 3 - 10 EC	Target group: Students of Landscape Architecture and related fields	Lecturer:
The International Master of Landscape Architecture (IMLA) is an English-taught degree programme that is offered in cooperation between HSWT and HfWU (Nuertingen Geislingen University). It comprises two			

theoretical semesters with lectures, a Master Thesis and an internship where applicable.
Classes commence at HSWT's Weihenstephan Campus every other year in the summer term.

In the **summer term 2022**, modules of the **first semester of the IMLA programme** will be offered at Weihenstephan campus. Details on the course structure and modules can be found on the IMLA website.

Overview: <https://www.imla-campus.eu/en/overview.html>

Course content and modules: <https://www.imla-campus.eu/course-contents>
<https://www.imla-campus.eu/modules>

Assessment methods: *tba*

Room Schedule: *tba*

356202010 Mitigation and Adaptation in Forests and Agriculture

Hours/week: 4 SWS	ECTS-credits: 5 EC	Recommended prerequisites: students in related fields (5 th semester or higher in Bachelor programmes or in Master programmes)	Lecturer: Prof. Dr. Christian Zang Prof. Dr. Bernhard Schauburger Prof. Dr. Stefan Wittkopf
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This module is part of the English-taught master programme "Climate Change Management"

MODULE CONTENT

Before the background of climate change impacts on forests and agriculture, this module focuses on strategies for adapting forests and agricultural systems to climate change conditions and for optimizing their mitigation potential. Regarding adaptation, important management options are discussed, including tree species selection, and stand management (forestry), as well as selection of crop species, cultivation measures or water status improvements (agriculture). Mitigation is discussed within the frameworks of climate-smart forestry and climate-smart agriculture, focusing on the potential of soils to sequester carbon. The module is designed as a combination of lectures, excursions and practical case studies.

LEARNING OUTCOMES AND COMPETENCES

By the end of the module

- students will understand that the management of agricultural and forestry systems needs to be adapted to take account of climate change
- students will be aware of the significance of location and management to the potential for carbon sequestration and nutrient/water use efficiency as well as the resilience of forest, agroforestry and agricultural systems
- students will have knowledge of suitable methods and techniques for securing agricultural and forestry production even in changing environmental conditions
- students will be able to calculate greenhouse gas emissions and sinks in agricultural and forestry systems, including special usage concepts within bioeconomics and bioenergy
- students possess the necessary theoretical foundations to design scientifically valid land use concepts for a specific region, taking into account impacts of climate change and optimising the potential for sequestering carbon

ASSESSMENT OF LEARNING OUTCOME

Written exam (90 minutes), covering all aspects of the module.

Assessment methods: *written exam*

Room Schedule: *tba*

356202030 Landscape & Landuse Planning, Governance, Law & Economics

Hours/week: 4 SWS	ECTS-credits: 5 EC	Prerequisites: Basic knowledge of land usages like agriculture, forestry and nature protection	Lecturer: Prof. Dr. Markus Reinke Prof. Dr. Tanja Barton Prof. Dr. Matthias Drösler Prof. Dr. Höppe Prof. Dr. Cristina Lenz
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This module is part of the English-taught master programme "Climate Change Management"

MODULE CONTENT

National governments have different tools and approaches at their disposal for bringing down greenhouse gas emissions and/or influencing the scope of these emissions. This module aims to provide an overview of these tools and approaches, highlight practical examples of their use by specific countries, and reflect on the national understanding that is associated with this.

Countries can use strict rules (laws, ordinances, decrees) and associated sanctions (punishments) to effect desired behaviour within their society. With regard to climate matters, this has been done e.g. through the ban of coolants containing CFCs. However, such bans normally require there to be an alternative option that can be used instead. Also, when evaluating the underlying premises, it must be considered whether such bans or strict requirements are enforceable within the society. At the international level, the effectiveness and applicability of such strict legal requirements are limited. A different governance approach involves the adoption of fiscal policies that, for instance, tax emissions of climate-damaging greenhouse gases or subsidise energy-saving technologies. Examples of this include the trade in CO2 certificates, subsidies for renewable energy, and so on. This module will discuss the governance approaches that are available for managing climate change at the national level, with regulatory, fiscal or persuasive tools (such as awards), and analyse their prospects of success.

In addition to these governance principles, which can be used anywhere regardless of the land type present, national governments also have options for influencing climate change through the control of land usage systems. The protection of CO2 sinks in the landscape (ancient woodland, moorland), control of usage intensity and usage models e.g. in agriculture (livestock farming systems etc.) are also used as examples in this module. The three types of government action (legal, fiscal and persuasive tools) are also applied here within sustainable land usage management. Using practical examples from an international context, this module aims to illustrate how these governance concepts have a limiting or amplifying effect on climate change when used to influence decisions on how space is used and how land is managed.

The module has two different parts:

- 1st: Landscape & Landuse Planning
- 2nd: Governance, Law & Economics

LEARNING OUTCOMES AND COMPETENCES

- Gaining knowledge about landscape and landuse planning approaches for climate change management
- Ability to apply the planning tools as input to the "Project 2"
- Gaining knowledge about international laws for governance of climate change
- Ability to compare economic drivers for climate change adaptation and mitigation

ASSESSMENT OF LEARNING OUTCOME

As an assessed assignment, students have to submit a seminar paper. The topic of the paper can be chosen from a list of subjects provided by the lecturers of the module. The choice needs to be verified by the respective lecturer.

Assessment methods: seminar paper

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

911900540: Sustainable Rural Development in Developing and Industrialized Countries

Hours/week: 2 SWS	ECTS-credits: 3	Recommended prerequisites: interest in the challenges of the development of rural areas in a sustainable way	Lecturer: Prof. Dr. Sabine Daude
Objectives of the course/Learning outcome:			
<ul style="list-style-type: none"> • Knowledge of different concepts of sustainability and rural development economics • Knowledge of actors in the process of rural development • Knowledge of projects of rural development in developing and industrialized countries • Ability to analyze and discuss problems of rural development and possible solutions • Ability to analyze and discuss similarities and differences of rural development in developing and industrialized countries 			
Assessment methods: tba			
Room Schedule: tba			

234186351: International Challenges of Renewable Energy

Hours/week: 4 SWS	ECTS-credits: 5	Recommended prerequisites: students in relevant fields; basic knowledge regarding environmental issues associated to climate change	Lecturer: Prof. Dr. Anne Kress Dr. Sebastian Baum
<p>Renewable energy sources will be one of the greatest issues facing our society in the future. The movement of wind and water, the heat and light of the sun, the carbohydrates in plants and the warmth in the earth are energy sources that can supply our needs in a sustainable way.</p> <p>Renewable energy has the potential to slow down global warming, to reduce pollution, to create new industries and jobs and move us towards a cleaner, healthier and sustainable energy future, where meeting our energy needs will not mean to exploit our earth and threaten the resources of future generations any longer.</p> <p>Objectives of the course/ Learning Outcomes:</p> <p>In this module the benefits and challenges of a variety of methods, that are used to convert renewable energy resources into electricity and thermal energy, will be investigated by the students. The importance of renewable energy sources in the context of sustainability will be discussed individually and within a group of students, taking into account global challenges connected to the five dimensions of sustainability.</p> <p>The module is designed in a very interactive manner and encourages strong participation of the students to foster rhetoric, discussion, presentation and foreign language skills. After detailed introductions and presentations of the different topics, students will be asked to elaborate issues and present the results in a self-organized manner (group work), for example by conducting country case studies, panel discussions with different actors (role plays) preparation of short presentations on issues of special interest.</p> <p>Students completing the course will acquire the following competences:</p> <ul style="list-style-type: none"> - understanding of the importance of biodiversity and conservation of nature for the future of mankind on earth - knowledge of the importance of sustainability for our future and the role of renewable energy sources in this concept - knowledge about energy consumption and energy resources in different countries and regions of the world - knowledge of environmental, ecological, social, cultural impact of renewable energy technologies - knowledge of current approaches for energy efficiency inspired by nature (biomimicry and bionics) <p>In addition students will also:</p>			

- train their language skills by strengthening the ability to explain fundamental technological principles of renewable energy sources in English
- learn about the most relevant scientific journals, research institutions and source of information in the field of renewable energy sources
- learn how to summarize essential information and to present it in written and oral form- write short reports on specific topics
- train general skills like rhetoric, discussion and presentation skills and the capacity for team work

Assessment methods: **written exam, 90 minutes**

Room Schedule: **tba**

910100210: Advanced Pricing Methods

Hours/week: 2 SWS	ECTS-credits: 3	Recommended prerequisites: background in basics of marketing	Lecturer: Prof. Dr. Markus Beinert
<p>Price management is one of the most important revenue levers in a company. Knowledge of relevant / new methods for correct pricing and price management in a company are therefore of crucial importance.</p> <p>Objectives of the course/Learning outcome: The students know the economic fundamentals of optimal pricing (marginal analytical optimization) and can apply them successfully. They know the important psychological principles of pricing and can apply the corresponding implications for pricing. The students know different methods of price setting and are proficient in their application. They know the central challenges of strategic pricing, can develop solutions to relevant strategic problems in a context-related manner and apply modern analysis tools and solution methods</p>			
Assessment methods: written exam 60 min.			
Room Schedule: tba			

234184350: International Marketing Project

Hours/week: 4 SWS	ECTS-credits: 5	Recommended prerequisites: tba	Lecturer: Prof. Dr. Markus Beinert
<p>Objectives of the course/Learning outcome: Students know the different forms of project organization and know the respective advantages and disadvantages. They know the specifics of leadership in project organizations and can characterize the various requirements for project managers. They can apply various methods of project selection and project portfolio management. For the management of a project they can explain the methods of target definition, team composition, risk analysis, cost and budget estimation, time planning, resource management and project controlling and apply them in different situations.</p> <p>In a specific project assignment, they work on a practical problem and transfer this problem into a project plan with the aim of developing a marketing and sales concept. In the project, the students prepare a marketing and sales plan and develop recommendations for the implementation of appropriate marketing instruments. They evaluate and check these problem solutions on the basis of information they have obtained themselves in the form of market research.</p> <p>Synopsis of Course Content</p> <ol style="list-style-type: none"> 1. Scope and challenge of international marketing 2. Strategic issues in international marketing 3. Specific issues of the international product mix 4. Specific issues of the international distribution mix 5. Specific issues of the international pricing mix 6. Specific issues of the international communication mix 			
Assessment methods: written exam 90 min. and project work			
Room Schedule: tba			

355141050: International Climate and Energy Policy (Master level)

Hours/week: 4 SWS	ECTS-credits: 5	Participation: <i>the number of participants; attendance in class is mandatory</i>	Lecturer: Prof. Dr. Anne Kress Prof. Dr. Tanja Barton
<p>This module is part of the Master degree programme <i>Business Management and Renewable Energy Entrepreneurship</i>.</p> <p>Objectives of the course/Learning outcome:</p> <ul style="list-style-type: none"> • Students will obtain a comprehensive overview of current international climate and energy policies and understand the underlying strategies and the legal background. • Using national examples, students can illustrate the relationship between national climate policy and the respective energy policy and energy law. • The students are familiar with the various European subsidy models of renewable energies and their legal frames and can identify the main advantages and disadvantages. • The students will analyse the measures of the climate and energy policy of a specific country and make suggestions for improvement, including measures for developing the legal setting. • The acquired expertise in the field of current climate and energy policy will enable them to develop strategies required due to the consequences of climate change in the energy sector and to work out measures for the political and legal levels. 			
Assessment methods: <i>project work</i>			
Room Schedule: <i>tba</i>			

35514106: Intercultural Competence (Master level)

Hours/week: 4 SWS	ECTS-credits: 5	Prerequisites: <i>B2 English proficiency (computer based language test required); attendance in class is mandatory</i>	Lecturer: Walter Strauss / Beverly Kubiak
<p>This module is part of the Master degree programme <i>Business Management and Renewable Energy Entrepreneurship</i>.</p> <p>Objectives of the course/Learning outcome:</p> <ul style="list-style-type: none"> • Advanced English skills, mindfulness and the ability to self-reflect in intercultural work situations are important for the management of renewable energies in the European context • Written and spoken English in complex study- and university-relevant situations at level C1 ("Effective Operational Proficiency") of the CEFR • To speak, present and discuss about in English on the content and conditions of one's studies (including stays abroad, master thesis) • To apply learning strategies for the independent development of language skills • To apply sensitivity and mindfulness in intercultural situations • To reflect on one's own home culture and describe it in a differentiated way • To apply theoretical knowledge about cultural models and to understand the specifics of selected target cultures • To successfully shape intercultural professional encounters 			
Assessment methods: <i>written and oral exam</i>			
Room Schedule: <i>tba</i>			

353221010: Economic Planning and Management in Forest Industries (Master level)

Hours/week: 4 SWS	ECTS-credits: 5	Prerequisites: <i>B2 English proficiency (computer based language test required); Basic knowledge of business administration</i>	Lecturer: Andrea Stübner
This module is part of the Master degree programme <i>International Management of Forest Industries</i> .			
Objectives of the course/Learning outcome:			
At the end of the module the student will be able to:			
<ul style="list-style-type: none"> • - Analyze business environment in the forest and wood industry • - Elaborate and interpret economic planning • - Apply different strategic analyses • - Carry out business management using the different management methods • - Use of quantitative methods of economics 			
Module Content:			
<ul style="list-style-type: none"> - Strategic planning processes - Environmental analysis - Company analysis - Strategic planning options - Introduction to management theory - Management systems - Management systems for forest and wood industries 			
Assessment methods: <i>semester paper</i>			
Room Schedule: <i>tba</i>			

353221040: Information Management (Master level)

Hours/week: 4 SWS	ECTS-credits: 5	Prerequisites: <i>B2 English proficiency (computer based language test required); Fundamentals of computer science</i>	Lecturer: Prof. Dr. Steffen Rogg
This module is part of the Master degree programme <i>International Management of Forest Industries</i> .			
MODULE CONTENT			
<ul style="list-style-type: none"> - IT strategy - IT organization - IT processes - IT controls - IT security Management - IT governance 			
LEARNING OUTCOMES AND COMPETENCES			
At the end of the module the student will be able to:			
<ul style="list-style-type: none"> • Understand the importance of information to an organization. • To develop an information technology strategy based on an analysis of the business strategy using quantitative and qualitative methods. • To remember challenges in the implementation of a service-oriented IT management and to create adequate solution approaches. 			

Assessment methods: semester paper
Room Schedule: tba

Online Courses

911300370: International Agrimanagement (MOOC - Massive Open Online Course)

Hours/week: 2 SWS	ECTS-credits: 3	Recommended prerequisites: basic knowledge in the field of agricultural sciences is required	Lecturer: Prof. Ralf Schlauderer / Vadym Petrenko
<p>Objectives of the course</p> <p>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.</p> <p>Learning outcome:</p> <ul style="list-style-type: none"> • To accurately define costs, to explain cost categories and to apply the terms to typical 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 <p>further information: https://ima.hswt.de/en/triesdorf-en/mooc-en</p>			
Assessment methods: If participating in the final examination (presence at the HSWT or in the partner universities required) participants will receive a certificate of attendance and certificate for 2.5 EC (ECTS).			
Room Schedule: to be agreed individually			

930200260: Assessment of agricultural production procedures - MOOC (Massive Open Online Course)

Hours/week: 2 or 4 SWS	ECTS-credits: 3 or 5 EC	Recommended prerequisites: basic knowledge in the field of agricultural sciences and knowledge of Excel software is required	Lecturer: Prof. Ralf Schlauderer / Dr. Aram Aristakesyan
<p>In the field Agrarian production economics the department of Agriculture, food and nutrition offers the MOOC course <i>Assessment of agricultural production procedures</i></p> <p>Course Content</p> <p>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</p>			

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 a partner universities required) participants receive a certificate*

Room Schedule: *n/a*

Language Centre Sprachenzentrum

981600010: Practical English for Science Students (B2)

Hours/week: 2 SWS	ECTS-credits: 3 EC	Target group: open for students of all departments	Lecturer: Beverley Kubiak
Objectives of the course/Learning outcome:			
This course, which is held at the level B2 of the Common European Framework of Reference for Languages (CEFR) has the following objectives or learning outcome:			
<ul style="list-style-type: none"> To increase knowledge of university and work related vocabulary, including the following key areas: University course and campus description, Presenting, Graphs and tables, Science articles and videos, Telephone and email, Job applications (cv and cover letter) To improve reading skills on subject-related topics (e.g. science and environment related topics). To develop language skills such as summarizing information acquired from reading science articles on own subject area. To improve English communicative competence (both written and spoken) by offering opportunities for discussion and also by doing written tasks To practice listening to and watching authentic talks / lectures held in English (e.g. describing processes) To develop learning strategies, which enhance the students own independent learning skills. 			
Assessment methods: <i>tba</i>			
Room Schedule: www.hswt.de/hochschule/zentrale-einrichtungen/sprachenzentrum/kurse-wst			

912000080: Technical English for Agriculturists II

Hours/week: 2 SWS	ECTS-credits: 3 EC	Target group: Students in Agriculture and related fields	Lecturer: Elizabeth Hamzi-Schmidt
Objectives of the course/Learning outcome:			
<ul style="list-style-type: none"> To expand knowledge of subject-related vocabulary and to use this in context (e.g. describing farm processes) To enhance reading skills on subject-related topics (e.g. European Agricultural Policy, genetically modified crops, animal/crop, diseases, etc.) To further develop language skills such as paragraphing and summarizing information acquired from reading articles on agricultural topics To improve English communicative competence (both written and spoken) by offering opportunities for discussion and short written tasks (e.g. report on farm work experience, useful subject-related web-site, e.g. www.agriculture.com) To increase confidence in understanding the spoken word in short video-clips (e.g. BBC Jimmy's Farm/ podcast reports about various aspects of farming life) 			

<p>Course contents:</p> <ul style="list-style-type: none"> • subject-related vocabulary and its use in context (e.g. describing farm processes) • training of reading skills on subject-related topics (e.g. European Agricultural Policy, genetically modified crops, animal/crop diseases, etc.) • development of language skills such as paragraphing and summarizing information acquired from reading articles on agricultural topics • exercises to improve English communicative competence (both written and spoken) by offering opportunities for discussion and short written tasks (e.g. report on farm work experience, useful subject-related web-site, e.g. www.agriculture.com) • training to increase confidence in understanding the spoken word in short video-clips (e.g. BBC Jimmy's Farm/podcast reports about various aspects of farming life)
Assessment methods: <i>tba</i>
Room Schedule: <i>tba</i>

982000010: Technical English for Brewing and Beverage Technologists

Hours/week: 2 SWS	ECTS-credits: 3,0 EC	Target group: Students within Brewing and Beverage Technology	Lecturer: Christopher McGreger
<p>Objectives of the course/Learning outcome:</p> <p>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:</p> <ul style="list-style-type: none"> • 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: <i>tba</i>			
Room schedule: www.hswt.de/hochschule/zentrale-einrichtungen/sprachenzentrum/kurse-wst			

982000050: Technical English for Landscape Architects

Hours/week: 2 SWS	ECTS-credits: 3,0 EC	Target group: Students of Landscape Architecture	Lecturer: Walter Strauß
<p>Objectives of the course/Learning outcome:</p> <p>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:</p> <ul style="list-style-type: none"> • To increase knowledge of subject-related vocabulary and to use this in context (e.g. describing different types of processes in landscape architecture and construction) • To improve general language skills, also free speech and communication • To improve reading skills (e.g. journal articles) on subject-related topics • To improve English communicative competence (both written and spoken) by offering opportunities for discussion and short written tasks • To practise listening to authentic talks/lectures given in English (e.g. describing processes/activities in landscape sciences) • To improve and repeat particular aspects of grammar • To develop the learning strategies which enhance the students' own independent learning skills 			
Assessment methods: <i>tba</i>			
Room schedule: www.hswt.de/hochschule/zentrale-einrichtungen/sprachenzentrum/kurse-wst			

982000020: Technical English for Food Technologists

Hours/week: 2 SWS	ECTS-credits: 3 EC	Target group: Students in the field of Food Technology English	Lecturer: Kristina Breith
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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. functional food, GMOs, food laboratory).
- To improve reading skills on subject-related topics (e.g. taste perception, sustainable farming)
- To develop language skills such as summarizing information acquired from reading articles on food science topics
- To improve English communicative competence (both written and spoken) by offering opportunities for discussion and presentation (on such topics as Slow Food) and written tasks (for example, opinion essay, describing processes or answering email messages)
- To practice listening to and watching authentic talks / lectures held in English (e.g. describing food processing principles / discussing genetic engineering)
- To enhance the knowledge of terms and phrases required in business life (welcoming visitors, answering the telephone, handling complaints)

Course contents includes:

- Food processing basics, Slow Food, food categories, food laboratory, food safety, functional food, water, packaging, food allergies, trends in the food industry, GMOs, organic farming, confectionery (topics may vary due to updating)
- Business language for welcoming visitors, presentations, telephoning and handling complaints.

Assessment methods: *tba*

Room schedule: www.hswt.de/hochschule/zentrale-einrichtungen/sprachenzentrum/kurse-wst

982000080: Technical English for Renewable Energies

Hours/week: 2 SWS	ECTS-credits: 3 EC	Target group: Students in the field of Renewable Energy	Lecturer: Anthony Perkins, Nicole v. Jüchen
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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 (i.e. energy in general, infrastructure, different kinds of technology used, using figures in English)
 - To improve reading skills on subject-related topics (i.e. newspaper articles on political issues, excerpts from the Global Wind Report, excerpts from a blog on biogas/biomass, a scientific article on CSP)
 - To develop language skills such as summarizing and mediating information acquired from reading articles on renewable energies topics
 - To improve English communicative competence (both written and spoken) by offering opportunities for discussion (an up-to-date political decision concerning renewable energies) and written tasks (for example opinion essay, describing a process related to the generation of biofuels; describing graphs and trends)
- To practice listening to and watching authentic talks / lectures held in English (i.e. different projects/ technologies in renewable energies worldwide)
- To develop learning strategies, which enhance the students' own independent learning skills.

Course contents includes:

Introduction to the Energy Sector; Germany's energy mix and describing graphs; an up-to-date political issue from RES, i.e. Germany's emissions or Trump's climate policy; wind energy: onshore / repowering; offshore; biomass, innovative biofuels; solar energy; wave/tidal energy; sustainability; describing course contents in English and working in the energy sector.

Assessment methods: *tba*

Room schedule: www.hswt.de/hochschule/zentrale-einrichtungen/sprachenzentrum/kurse-wst

German and Foreign Language classes, various levels

Hours/week: 2 SWS	ECTS-credits: 3 EC	Target group: open for students of all departments	Lecturer: <i>tba</i>
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German as a foreign language (DaF - Deutsch als Fremdsprache)

- German classes are offered at various levels (a minimum number of participants is required for courses to take place)

- Beginners courses and courses on levels A1/A2/B1 are also available online through Bavarian Virtual University

Other foreign language classes are offered at various levels:

To join courses, students will have to complete an assessment test (not applicable for beginners courses)

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: Language classes can only take place if there is a sufficient number of interested students

Assessment methods: [exam](#)

Room Schedule: www.hswt.de/hochschule/zentrale-einrichtungen/sprachenzentrum/kurse-wst