

## COURSES IN ENGLISH - Triesdorf Campus

SUMMER TERM 2024\*



### COURSE OVERVIEW

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

#### Department of Agriculture, Food, and Nutrition

930900150	<u>Introduction to Precision Farming</u>	2 SWS / 2,5 EC
930100350	<u>Agriculture and Food Industry in Germany</u>	4 SWS / 5 EC
930900220	<u>Interdisciplinary Project</u>	4 SWS / 5 EC
930900210	<u>International Trade</u>	4 SWS / 5 EC

#### Department of Environmental Engineering

932000110	<u>Thermal Engineering (Practical course)</u>	2 SWS / 2,5 EC
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#### ONLINE COURSES

911300370	<u>International Agrimanagement - MOOC (Massive Open Online Course)</u>	2 SWS / 2,5 EC
930200260	<u>Assessment of agricultural production procedures - MOOC (Massive Open Online Course)</u>	2 - 4 SWS / 2,5 - 5 EC

\*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>

### Language Classes

940200010	<u>Business English for the Food Industry</u>	2 SWS / 2,5 (3) EC
940500140	<u>English for Agribusiness I</u>	2 SWS / 3 EC
940500150	<u>English for Agribusiness II</u>	2 SWS / 3 EC
941900190	<u>Scientific English for Nutrition and Health</u>	2 SWS / 3 EC
940500170	<u>English for Environmental Studies</u>	2 SWS / 3 EC
940500050	<u>Intercultural Communication</u>	2 SWS / 3 EC
	<u>German and Foreign Language Classes</u>	2 SWS / 3 EC

#### 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](mailto:julia.daschner@hswt.de)

### COURSE DESCRIPTIONS\*

#### Department of Agriculture, Food, and Nutrition

Fakultät Landwirtschaft

### 930900150: Introduction to Precision Farming

Hours/week: 2 SWS	ECTS-credits: 2,5	Target group: Students in Agriculture, Agricultural Engineering, MBA	Lecturer: Prof. Dr. Patrick Noack
<b>Objectives of the course/Learning outcome:</b> Basic understanding of PF technologies. The lecture on Precision Farming (PF) provides a broad overview on the technology involved in PF based on a review of its historical background. It features introductions in: + GNNS (Mapping, Steering) + GIS (Yield and Application Maps) + Remote Sensing + Variable Rate Technology + Boom Section Control and + Proximal Sensing.			
Assessment methods: written exam, 90 minutes			
Room Schedule: tba			

### Agriculture and Food Industry in Germany

Hours/week: 4 SWS	ECTS-credits: 5	Target group: Students in Agriculture, Agricultural Engineering, MBA and related fields	Lecturer: Prof. Dr. Ralf Schlauderer and others
<b>Objectives of the course/Learning outcome:</b> Students are able to describe the meaning and form of Agriculture and Food Industry in Germany. They can describe basics of -typical German farms and mid and long term developments - organic farming - agricultural markets and global issues			

Please note: Course offerings are preliminary and may be subject to change.

Status: 12.07.2023

For an up-to-date timetable please check online: <https://www.hswt.de/en/international/ways-to-the-hswt/exchange-students>

- diversification and business start up - German retail as part of the food value chain - precision agriculture The module includes lectures and excursions.
Assessment methods: <b>written exam, 90 minutes</b>
Room Schedule: <b>tba</b>

## Interdisciplinary Project

Hours/week: <b>4 SWS</b>	ECTS-credits: <b>5</b>	Target group: <b>Students in Agriculture, Agricultural Engineering, MBA and related fields</b>	Lecturer: <b>Dr. Melanie Oertel, Prof. Dr. Ralf Schlauderer</b>
<p><b>Objectives of the course/Learning outcome:</b> Students are enabled to answer agricultural related questions in a scientific manner. During this course all steps of scientific work will be realized: starting with the formulation of a research question, stating a hypothesis, identification of suitable methods to answer proposed questions, data collection and “re-search”, summarizing and presenting results, and finally prepare a written document in paper format. The following topics are proposed:</p> <ul style="list-style-type: none"> <li>• Water-Food-Energy-Nexus,</li> <li>• Principles of sustainable agriculture,</li> <li>• Climate-Smart Agriculture,</li> <li>• Caring about the “unseen” – soils and groundwater</li> <li>• Agriculture in 2050</li> </ul> <p>Course format: Seminar / working groups of 4-5 students</p>			
Assessment methods: <b>project paper and oral presentation</b>			
Room Schedule: <b>tba</b>			

## International Trade

Hours/week: <b>4 SWS</b>	ECTS-credits: <b>5</b>	Target group: <b>Students in Agriculture, Agricultural Engineering, MBA and related fields</b>	Lecturer: <b>Prof. Dr. Johannes Holzner, Dr. Henrike Burchardi</b>
<p><b>Objectives of the course</b> Students are capable of processes and correlations at national and international level agricultural markets in order to draw conclusions about economic activity. On completion of the module students will be able to apply strategies and marketing approaches in international trade. They have knowledge of international trade agreements as well as trade flows and can evaluate concepts for international companies in the agricultural sector</p> <p><b>Learning outcome:</b> 1. Familiarity with the development of supply and demand of supply, foreign trade, market and supply Pricing policy, as well as the marketing system for the main plant and animal products under special Consideration of regional and supra-regional markets</p> <ul style="list-style-type: none"> <li>- market for cereals and cereal products</li> <li>- Market for oilseed and protein crops</li> <li>- Market for potato and potato products</li> <li>- sugar market</li> <li>- Market for slaughter cattle and meat</li> <li>- Market for milk and milk products and market for eggs</li> <li>- market for eggs</li> </ul>			

<p>2. Knowledge of the development of a positive market influence for agriculture</p> <ul style="list-style-type: none"> <li>- increase market transparency</li> <li>- quality production</li> <li>- Improvement of market position through mergers</li> </ul> <p>3. Knowledge of the development and causes of market structure and competitive conditions among the most important</p> <p>Branches of the food industry (industry, craft)</p> <ul style="list-style-type: none"> <li>- Mills, malting, breweries, bakeries</li> <li>- Oil mills, starch and sugar factories</li> <li>- meat industry, dairy industry</li> </ul>
Assessment methods: <i>written exam, 90 minutes</i>
Room Schedule: <i>tba</i>

**Department of Environmental Engineering**  
*Fakultät Umweltingenieurwesen*

### 932000110: Thermal Engineering (Practical course)

Hours/week: <i>2 SWS</i>	ECTS-credits: <i>2,5</i>	Recommended prerequisites: <i>background in Thermodynamics and Heat Transfer</i>	Lecturer: <i>Prof. Dr.- Ing. Norbert Huber</i>
<b>Objectives of the course/Learning outcome:</b> Practical skills and deeper understanding of thermal engineering			
Assessment methods: <i>Seminar Paper</i>			
Room Schedule: <i>tba</i>			

## ONLINE COURSES

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

Hours/week: <i>2 SWS</i>	ECTS-credits: <i>2,5 EC</i>	Recommended prerequisites: <i>basic knowledge in the field of agricultural sciences is required.</i>	Lecturer: <i>Prof. Ralf Schlauderer / Vadym Petrenko</i>
<b>Objectives of the course</b> 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.			
<b>Learning outcome:</b>			
<ul style="list-style-type: none"> <li>- To accurately define costs, to explain cost categories and to apply the terms to typical examples of agriculture</li> <li>- To define and apply machinery costs, procedural costs and comparative costs</li> </ul>			

<ul style="list-style-type: none"> <li>- To calculate and appropriately interpret the total costs per year and costs per unit of output such as tractors hours or hectares</li> <li>- To calculate the Minimum Extent of Utilization for machinery, equipment and typical agricultural means of production and to appropriately evaluate the results</li> </ul> <p>further information: <a href="https://ima.hswt.de/en/triesdorf-en/mooc-en">https://ima.hswt.de/en/triesdorf-en/mooc-en</a></p>
Assessment methods: <i>If participating in the final examination (presence at the HSWT or at a partner universities required) participants receive a certificate</i>
Room Schedule: <i>n/a</i>

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

Hours/week: 2 or 4 SWS	ECTS-credits: 2,5 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><b>Course Content</b></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 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.</p> <p>By submitting additional coursework and holding a final presentation, students may acquire up to 5 EC in total for this module.</p> <p>Contact person for registration and questions: Dr. Aristakesyan (aram.aristakesyan@hswt.de)</p>			
Assessment methods: <i>If participating in the final examination (presence at the HSWT or at a partner universities required) participants receive a certificate</i>			
Room Schedule: <i>n/a</i>			

### Language Centre Sprachenzentrum

## 940200010: Business English for the Food Industry

Hours/week: 2 SWS	ECTS-credits: 3 EC	Target group: Students in relevant fields of study	Lecturer: Thomas Bartl
<p><b>Objectives of the course/Learning outcome:</b></p> <ul style="list-style-type: none"> <li>• The ability to handle a wide variety of study-, university- and work related forms of communication in the English language.</li> <li>• The understanding and application of both the spoken and written forms of communication.</li> </ul>			

<ul style="list-style-type: none"> <li>The ability to lead an adequate as well as understandable conversation concerning the food industry and your own studies at university (incl. planned or completed study-abroad periods). Usage of short and precise argumentation to present your own point of view.</li> <li>Development of learning strategies to further the independent development of student's language skills.</li> </ul> <p><b>Course content:</b></p> <ul style="list-style-type: none"> <li>Acquiring and improving linguistic abilities (listening, reading, speaking, writing, grammar, vocabulary)</li> <li>Engaging in studying- and work related forms of communication (Application in English, Reading and discussing material on the food industry etc.)</li> <li>Training relevant forms of communication (Presentation, Conversation, Reading and writing of scientific essays)</li> </ul>
Assessment methods: <a href="#">tba</a>
Room Schedule: <a href="https://www.hswt.de/hochschule/zentrale-einrichtungen/sprachenzentrum/kurse-tr.html">https://www.hswt.de/hochschule/zentrale-einrichtungen/sprachenzentrum/kurse-tr.html</a>

### 940500140: English for Agribusiness I

Hours/week: 2 SWS	ECTS-credits: 2,5 or 3 EC	Target group: Students in relevant fields of study	Lecturer: Susanne Kroner
<p><b>Objectives of the course/Learning outcome:</b></p> <ul style="list-style-type: none"> <li>The ability to understand and apply a large number of study-, university- and work related forms of communication in the English language. The understanding and application of both the spoken and written forms of communication at an intermediate level of complexity.</li> <li>The ability to express oneself adequately and understandably concerning the entire supply chain, including the ability to recognise and comment on aspects of agribusiness such as plant- and animal production, initial processing of agricultural resources, the food industry as well as retail and wholesale.</li> <li>Development of learning strategies to further the independent development of student's language skills.</li> </ul> <p><b>Course content:</b></p> <ul style="list-style-type: none"> <li>Acquiring and improving linguistic abilities (listening, reading, speaking, writing, grammar, vocabulary)</li> <li>Training relevant forms of communication (Presentations, role plays e.g. conversations with business partners; reading of scientific texts and devising written reports an intermediate level of complexity)</li> </ul>			
Assessment methods: <a href="#">tba</a>			
Room Schedule: <a href="#">tba</a>			

### 940500150: English for Agribusiness II

Hours/week: 2 SWS	ECTS-credits: 2,5	Target group: Students in relevant fields of study	Lecturer: Susanne Kroner
<p><b>Objectives of the course/Learning outcome:</b></p> <ul style="list-style-type: none"> <li>The ability to understand and apply a large number of study-, university- and work related forms of communication in the English language in a wider range. The understanding and application of both the spoken and written forms of communication at an intermediate level of complexity.</li> <li>The ability to express oneself adequately and understandably concerning the entire supply chain, including the ability to recognise and comment on aspects of agribusiness such as plant- and animal production, initial processing of agricultural resources, the food industry as well as retail and wholesale.</li> <li>Development of learning strategies to further the independent development of student's language skills.</li> </ul> <p><b>Course content:</b></p> <ul style="list-style-type: none"> <li>Acquiring and improving linguistic abilities (listening, reading, speaking, writing, grammar, vocabulary)</li> <li>Training relevant forms of communication (Presentations, role plays e.g. conversations with business partners; reading of scientific texts and devising written reports an intermediate level of complexity)</li> </ul>			

Assessment methods: <i>tba</i>
Room Schedule: <a href="https://www.hswt.de/hochschule/zentrale-einrichtungen/sprachenzentrum/kurse-tr.html">https://www.hswt.de/hochschule/zentrale-einrichtungen/sprachenzentrum/kurse-tr.html</a>

### 941900190: Scientific English for Nutrition and Health

Hours/week: 2 SWS	ECTS-credits: 2,5	Target group: Students in relevant fields of study	Lecturer: Thomas Bartl
<b>Objectives of the course/Learning outcome:</b>			
<ul style="list-style-type: none"> <li>The ability to understand and apply a large number of study-, university- and work-related forms of communication in the English language. The understanding and application of both the spoken and written forms of communication.</li> <li>The ability to express oneself adequately and understandably concerning aspects of health and nutrition, commenting on them and giving presentations on the topic.</li> <li>Development of learning strategies to further the independent development of student's language skills.</li> </ul>			
<b>Course content:</b>			
<ul style="list-style-type: none"> <li>Acquiring and improving linguistic abilities (listening, reading, speaking, writing, grammar, vocabulary)</li> <li>Acquiring and improving basic medical and general scientific terminology</li> <li>Developing strategies for reading and processing general and scientific papers on the topic of health and nutrition.</li> <li>Developing strategies for study- and subject-oriented forms of communication (Projects, presentations and discussions about technical material), particularly for the demonstration/explanation of complex information</li> </ul>			
Assessment methods: <i>tba</i>			
Room Schedule: <a href="https://www.hswt.de/hochschule/zentrale-einrichtungen/sprachenzentrum/kurse-tr.html">https://www.hswt.de/hochschule/zentrale-einrichtungen/sprachenzentrum/kurse-tr.html</a>			

### 940500170: English for Environmental Studies

Hours/week: 2 SWS	ECTS-credits: 2,5	Target group: Students in relevant fields of study	Lecturer: Susanne Kroner
<b>Objectives of the course/Learning outcome:</b>			
<ul style="list-style-type: none"> <li>The ability to understand and apply a large number of study-, university- and work-related forms of communication in the English language. Being able to understand and handle both the spoken and written forms of communication.</li> <li>The ability to express oneself adequately and understandably concerning the subject of environmental engineering, commenting on and giving presentations on the topic.</li> <li>Development of learning strategies to further the independent development of student's language skills, particularly technical vocabulary.</li> </ul>			
<b>Course content:</b>			
<ul style="list-style-type: none"> <li>Acquiring and improving linguistic abilities (listening, reading, speaking, writing, grammar, vocabulary)</li> <li>Engaging with text and media (written and audio-visual) concerning the diverse topic of environmental engineering</li> <li>Training relevant forms of communication (Work on projects, presentations and discussions about subject relevant material, devising written reports at an intermediate level of complexity)</li> </ul>			
Assessment methods: <i>tba</i>			
Room Schedule: <a href="https://www.hswt.de/hochschule/zentrale-einrichtungen/sprachenzentrum/kurse-tr.html">https://www.hswt.de/hochschule/zentrale-einrichtungen/sprachenzentrum/kurse-tr.html</a>			

### Intercultural Communication

Hours/week: 2 SWS	ECTS-credits: 2,5	Target group: all students	Lecturer: Susanne Kroner
<b>Objectives of the course/Learning outcome:</b>			
<ul style="list-style-type: none"> <li>The ability to understand and functionally apply the English language in general contexts, in both spoken and written forms of communication.</li> </ul>			

<ul style="list-style-type: none"> <li>• The development of cultural sensitivity and the capacity to recognise intercultural problems during international communication settings, as well as to apply strategies of constructive communication in such situations</li> <li>• Development of learning strategies to further the independent development of student's language skills.</li> </ul> <p><b>Course content:</b></p> <ul style="list-style-type: none"> <li>• Acquiring and improving linguistic abilities (listening, reading, speaking, writing, grammar, vocabulary)</li> <li>• Training of spoken language competence during while engaging with country-specific and intercultural topics in preparation of a stay-abroad (i.e. through projects, case studies, role plays, presentations, etc.)</li> <li>• Training of reading skills through reading material in the context of project work</li> </ul>
Assessment methods: <i>tba</i>
Room Schedule: <a href="https://www.hswt.de/hochschule/zentrale-einrichtungen/sprachenzentrum/kurse-tr.html">https://www.hswt.de/hochschule/zentrale-einrichtungen/sprachenzentrum/kurse-tr.html</a>

## German and other Foreign Language classes, various Levels

Hours/week:	ECTS-credits:	Target group: <i>all students</i>	Lecturer:
<p><b><u>German as a foreign language (DaF - Deutsch als Fremdsprache)</u></b></p> <ul style="list-style-type: none"> <li>• German classes are offered at level B1 and B2.</li> <li>• Beginners' courses until level A2 are offered if there is a sufficient number of interested students, or are available online through Bavarian Virtual University</li> </ul> <p><b><u>Other foreign language classes are offered at various levels:</u></b>  <i>To join courses, students will have to complete an assessment test (not applicable for beginners courses)</i></p> <p><b>UNicert courses*:</b></p> <ul style="list-style-type: none"> <li>- English (up to C1)</li> <li>- Spanish (up to B2)</li> <li>- French (up to B2)</li> <li>- Italian (up to A2)</li> <li>- Russian (up to A2)</li> </ul> <p><b>General language courses*:</b></p> <ul style="list-style-type: none"> <li>- Chinese (up to A2)</li> </ul> <p><i>*Courses may require a minimum number of participants</i></p>			
Assessment methods: <i>tba</i>			
Room Schedule: <a href="https://www.hswt.de/hochschule/zentrale-einrichtungen/sprachenzentrum/kurse-tr.html">https://www.hswt.de/hochschule/zentrale-einrichtungen/sprachenzentrum/kurse-tr.html</a>			