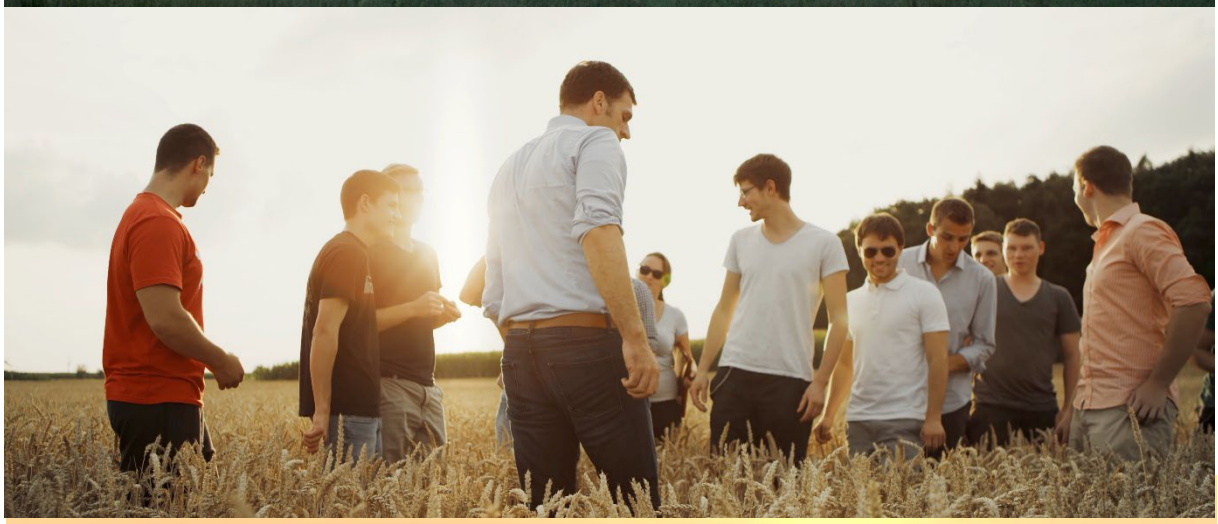
WEIHENSTEPHAN · TRIESDORF
University of Applied Sciences

International Summer Programme

Agriculture, Food and Nutrition - B.Sc. Agriculture

14 April - 12 July 2023



Dear students,

In the upcoming summer term, from **14 April until 12 July 2023**, Weihenstephan-Triesdorf University of Applied Sciences (HSWT) in Germany invites you to join our English-taught study programme in the field of **Agriculture, Food, and Nutrition** at our campus in Triesdorf.

Guided by HSWT's experienced teaching staff, you will learn about the general structure of the agricultural, food and farming industry in Germany and gain profound insight into current trends and developments. By employing varied teaching methods such as seminars, group learning, online courses and excursions, students are given the opportunity to develop their personal as well as professional skills. Studying in our international student community will be an exciting learning and cultural experience.

Classes take place at our Triesdorf campus, which forms an integral part of the Triesdorf Educational Centre for Agriculture, Food and the Environment ('Bildungszentrum Triesdorf'), the only one of its kind in Germany. The centre's close integration with state-of-the-art infrastructure creates valuable synergies that provide many benefits for our university and its departments.

Participation Requirements

- Enrollment in Agriculture, Food Stuff Management or related fields in a university outside of Germany
- Undergraduate students 2nd year or advanced
- English language proficiency of at least level B1 of the Common European Framework of Reference for Languages (CEFR)
- Willingness to learn and work
- Team spirit

How to apply

If your university and HSWT have a cooperation agreement, please ask your department coordinator or International Office coordinator to nominate you for the programme (by 10th December 2022). Once we have received your nomination, we will send you information on our online application procedure.
If there is no agreement in place, you may study with us as a Freemover. In this case, please send an e-mail to the International Office at HSWT (see below) by December 10th 2022.
For further information see also: https://www.hswt.de/en/exchange-students.html

Costs

HSWT does not charge any tuition fees. A semester fee of approx. 70 Euro has to be paid upon enrollment. Non-EU students, should refer to our website for information on the required financial proof in order to obtain a visa for studies in Germany.

Accommodation

There are various student residences and private rooms for rent. The International Office at HSWT will support students in finding accommodation. The rental rate per month will be approximately 250-350 Euro.

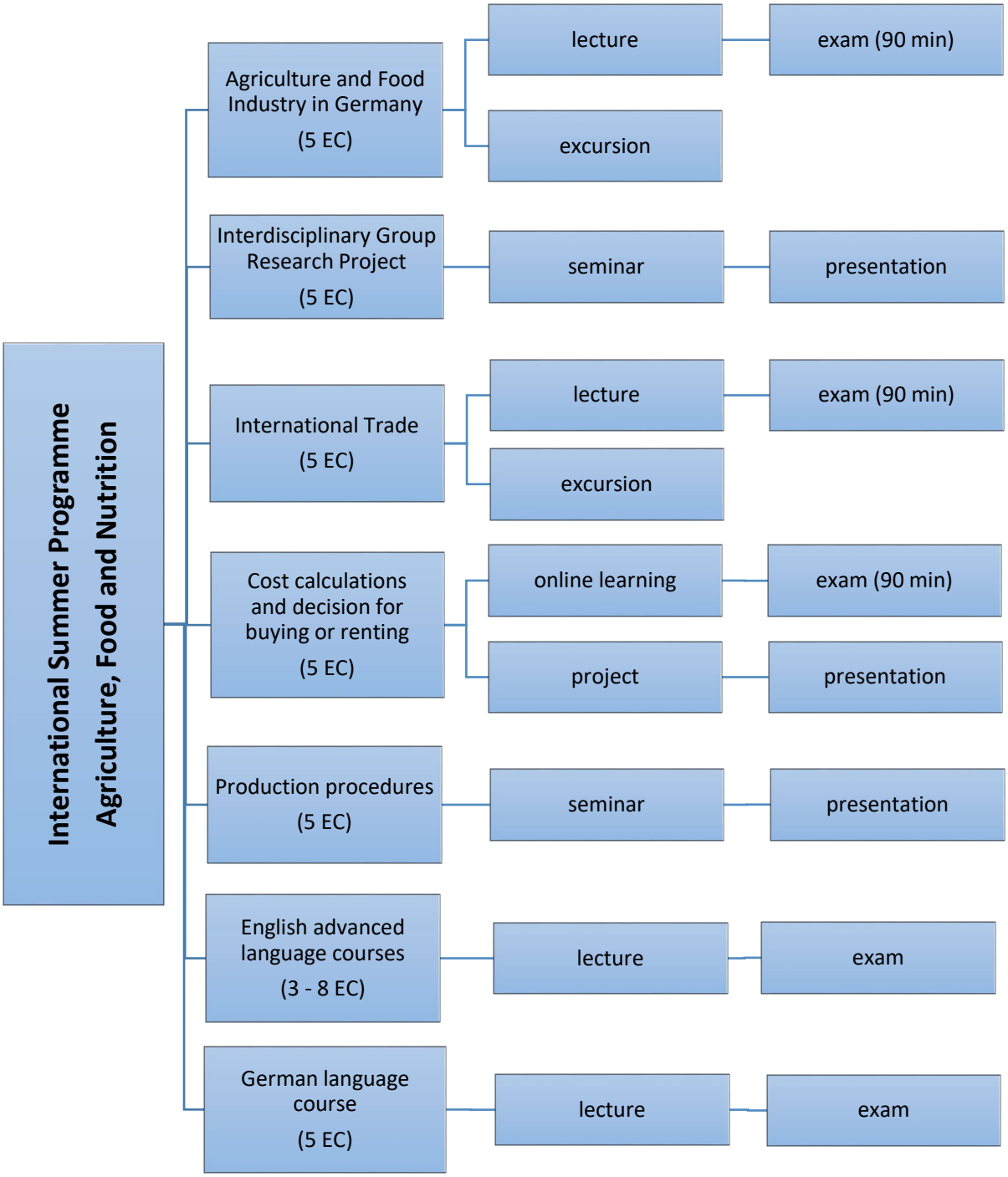
We look forward to welcoming you at HSWT!

Contact for questions: summer.lt@hswt.de

Miriam Eder
International Office
Campus Triesdorf

Prof. Dr. Ralf Schlauderer
Coordinator Department of
Agriculture, Food and Nutrition

Curriculum Overview



Please note: Courses will be offered **on campus** with student presence required. In addition, some of the courses will be offered **online** for students who wish to follow them from their home country (enrollment at HSWT will be required). Please contact us if you are interested in online participation.

Course descriptions

Agriculture and Food Industry in Germany (930100350)

Hours/week:	ECTS-credits:	Target group:	Lecturer:
4 SWS	5	Students in Agriculture, Agricultural Engineering, MBA and related fields	Prof. Dr. Schlauderer and others

Objectives of the course/Learning outcome:
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
- diversification and business start up
- German retail as part of the food value chain
- precision agriculture
The module includes lectures and excursions.

Assessment methods: written exam, 90 minutes

Interdisciplinary Group Research Project (930900220)

Hours/week:	ECTS-credits:	Target group:	Lecturer:
4 SWS	5	Students in Agriculture, Agricultural Engineering, MBA and related fields	Dr. Kateryna Tuzhyk

Objectives of the course/Learning outcome:
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:

- Water-Food-Energy-Nexus,
- Principles of sustainable agriculture,
- Climate-Smart Agriculture,
- Caring about the "unseen" – soils and groundwater
- Agriculture in 2050

Course format: Seminar / working groups of 4-5 students

Assessment methods: project paper and oral presentation

International Trade (930900210)

Hours/week:	ECTS-credits:	Target group:	Lecturer:
4 SWS	5	Students in Agriculture, Agricultural Engineering, MBA and related fields	Prof. Dr. Johannes Holzner, Dr. Henrike Burchardi

Objectives of the course
Students are capable of understanding 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

Learning outcome:
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
- market for cereals and cereal products
- Market for oilseed and protein crops
- Market for potato and potato products
- sugar market
- Market for slaughter cattle and meat
- Market for milk and milk products and market for eggs
- market for eggs

2. Knowledge of the development of a positive market influence for agriculture
- increase market transparency
- quality production
- Improvement of market position through mergers

3. Knowledge of the development and causes of market structure and competitive conditions among the most important
Branches of the food industry (industry, craft)
- Mills, malting, breweries, bakeries
- Oil mills, starch and sugar factories
- meat industry, dairy industry

Assessment methods: written exam, 90 minutes

Cost calculations and decision for buying or renting (Online Course) (931300200)

Hours/week:	ECTS-credits:	Recommended prerequisites:	Lecturer:
2 SWS Workload: Approximately 6 hours per week	5	a basic knowledge in the field of agricultural sciences (all disciplines) 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.

Next to acquiring theoretical knowledge, students will conduct a project based on the course content: students will calculate typical machinery combination of their country and presents the results.

Learning outcome:
- 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

further information: **https://ima.hswt.de/en/triesdorf-en/mooc-en**

Assessment methods: The module is examined by a written exam 45 min (50%) and the presentation of the project (50%).

Production Procedures (Online Course + Exercises)

Hours/week:	ECTS-credits:	Recommended prerequisites:	Lecturer:
4 SWS Workload: Approximately 6 hours per week	5	a basic knowledge in the field of agricultural sciences (all disciplines) is required.	Prof. Ralf Schlauderer

Objectives of the course

The goal of the course is to provide the theoretical basis for calculating and assessing production procedures such as production of wheat, barley, milk, pork etc. The method explained is the total and partial cost calculation. To properly assess the production procedures gross margin, entrepreneurial profit, economic profit as well as remuneration of production factors are used. Subsequently the developed theoretical principles are applied to specific practical examples. The results are discussed and evaluated from the perspective of decision-makers. Students will calculate an example of a production procedure of their own country and will present the results in written and oral form.

Learning outcome:

- To accurately define production procedures, the terms of gross margin, entrepreneurial profit, economic profit, remuneration of production factors, break even for production and profitability
- To define and apply partial and total cost calculation.
- To calculate and appropriately interpret the gross margin, entrepreneurial profit and other terms (as named before)
- To be able to calculate and assess the economic profitability of a production procedure.

Assessment methods: The module is examined by a written exam 45 min (50%) and the presentation of the project (50%).

German as a Foreign - Language Basic 1 (960400030)

Hours/week:	ECTS-credits:	Target group:	Lecturer:
4 SWS	5	Students in the field of Agriculture	Philipp Raab

(For students with prior German knowledge, advanced courses may be offered, either online or as group sessions, depending on the number of participants and skill level)

Objectives of the course/Learning outcome:

- The ability to cope with some simple everyday situations in the foreign language in written and spoken forms of communication as well as to give simple information about studies, university and career wishes.
- The ability to perceive cultural differences and to comment on them in simple statements.
- Development of learning strategies that serve the further development of the students' language skills

Course content:

- Acquisition and practice of basic language skills (listening comprehension, reading comprehension, speaking, writing, grammar, vocabulary)
- Study of areas of practical everyday life and regional studies topics, e.g. simple, short reading and listening texts as well as audiovisual material such as city maps, room reservations, travel descriptions, etc; role playing such as simple interviews or telephone conversations etc.; filling out forms with personal details, writing e-mails.

Assessment methods: tba

English for Agribusiness (960500020)

Hours/week:	ECTS-credits:	Target group:	Lecturer:
2 SWS	3 – 5*	Students in the field of Agriculture	Susanne Kroner

Objectives of the course/Learning outcome:

- The ability to understand and use the foreign language in written and spoken forms of communication of medium complexity in a large number of study and occupational situations.
- The ability to express oneself in appropriate and understandable ways in subject areas of the entire value chain, i.e. being able to recognize and comment on aspects of plant and animal production, first-stage processing of agricultural products, the food industry and the wholesale and retail business
- Development of learning strategies to enhance the students' individual language skills.

Course content:

- Acquisition and development of linguistic skills (listening and reading comprehension, speaking, writing, grammar, vocabulary).
- Training of subject-relevant forms of communication (presentations, role-playing games, e.g. conversations with business partners; Reading scientific texts of medium complexity; Create written reports of medium complexity).

Assessment methods: tba

Business English for the Food Industry (960200010)

Hours/week:	ECTS-credits:	Target group:	Lecturer:
2 SWS	3 – 5*	Students in the field of Agriculture, Food and Nutrition	Thomas Bartl

Objectives of the course/Learning outcome:

- The ability to understand the foreign language in a large number of study-, university- and professional communication situations in written and spoken forms of communication and to use it appropriately.
- The ability to express oneself appropriately and understandably about contents in the field of the food industry and about conditions of one's own studies (including a planned or already completed study or internship abroad), to comment on them in short discussions and to give a lecture on them.
- Development of learning strategies that serve the independent development of the students' language skills.

Course content:

- Acquisition and development of language skills (listening comprehension, reading comprehension, speaking, writing, grammar, vocabulary).
- Activity with job- and study-oriented communication situations (presentations, applications in the foreign language, reading and discussing texts from the food industry, etc.)
- Training of study- and subject-oriented communication situations (projects, presentations and discussions on specialized material)

Assessment methods: tba

*Introduction to the academic work

Hours/week:	ECTS-credits:	Target group:	Lecturer:
2 SWS		Students in the field of Agriculture, Food and Nutrition	Thomas Bartl

Objectives of the course/Learning outcome:

- Introduces the nature of academic work at the university with special attention on various forms of assignments and assessment methods; the characteristics of language use particular to academia; and factors particular to HSWT.

Course content:

- Development of skills in various forms of oral presentations.
- Form and content of a variety of written assignments

Campus Life & Activities

Although Triesdorf is one of the smallest university locations in Germany, it does not mean that it is a sleepy place. Over 2.000 young people are studying here, and: Triesdorf has a strong **international profile**. Students from Paraguay, Australia, Ukraine, the Russian Federation, Kazakhstan, Kyrgyzstan, South Africa, Bosnia-Herzegovina, Serbia and many more countries from all around the world come to Triesdorf to learn more about agriculture, nutrition, engineering and related fields.

At the university, many different sport activities are offered, following the concept - from students for students. You can try something new every day and expand your network of **contacts** and **friends**.
Wait until you see Triesdorf celebrate! Triesdorf is well known for its **parties** and for its easygoing **open-air celebrations**.

Triesdorf is located in the **Franconian Lake District**. With a variety of **activities**, ranging from swimming and other water sports to hiking, from enjoying nature to cultural festivals, the region offers many opportunities to enjoy your free time while following an instructive exchange programme at our university's campus in Triesdorf. With short distances and a well-developed road network, seven lakes can be reached easily either by bicycle or public transport!

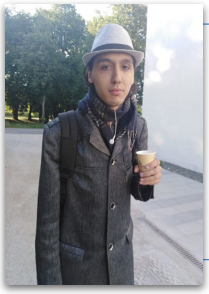
Testimonials from previous summer programmes

"The people here are very welcoming and students are always supported. The university environment allowed me to focus and study in peace. The most important thing I learned was to communicate with new friends from different nationalities."

Kimmouy Meng, Cambodia, participant in 2021

"I spent my time visiting farms around Triesdorf and learned about agricultural mechanisation. All the lectureres were very dedicated and HSWT gave me the best support I could imagine.
I will miss the evenings with new friends from all over the world."

Japeth Ndori, Kenya, participant in 2021



"I learned to calculate values, costs and benefits. I begin to understand the world market much better now, not only in agriculture.
I also learned how to draw up scientific work. This knowledge will help me in the future."

Maxim Lavrukhin, Russian Federation, participant in 2020

"For me, the most interesting is the friendly relationship with the professors. In my country, focus is on theoretical knowledge that comes from books that are over ten years old, here the information is always up to date."

Hamza Arifovic, Serbia, participant in 2020

"On campus, students benefit from unique teaching and learning methods and seminar rooms fitted to the latest technical standard. In order to self-study or join online courses, Weihenstephan-Triesdorf provides computer rooms around the clock for students. Student life is not only study but also having fun, there is a big hall to make parties for students."

Jasur Abdushukurov, Uzbekistan, participant in 2020

"I gained new knowledge about farming in Germany. We also studied the economics of enterprises, international trade, export and import of food products. For me, the most important part was to gain knowledge in practice. We were able to visit enterprises and factories of Bavaria."

Elizaveta Petrova, Russian Federation, participant in 2020

"HSWT is well equipped with agricultural farms and farm machineries which suited my field of specialisation. I especially liked the dairy farms, automated milking machine system and the modern pig rearing systems. The hardworking spirit from all the departments is really encouraging. I hope to be back again."

Emmanuel Amalemba, Kenya, participant in 2021

"I like to work on projects, be in a team, communicate with teachers and visit new places. Most of all I remember the excursion to the main building of the University. All students came from different countries, but thanks to the productive work of teachers and friendly atmosphere, we have become one big family"

Ivan Uvarov, Russian Federation, participant in 2020

"I can use the knowledge about calculation in production and can calculate what is better for me, to buy new machinery (like a tractor for example) or to buy an already used tractor."

Dusko Kozic, Bosnia and Herzegovina, participant in 2020

"I didn't hestitate when I was offered the opportunity to join the program because it was a chance for me to study in Germany. I liked the way the courses were organized and also the quality. There are farms students can go to and improve their knowlegde. I also liked the infrastructure of Germany, the discipline, the cleanliless. It is a good environnement for studies."

Paka Abiré Reine, Togo, participant in 2021

"I was in Europe and Germany for the first time actually. I like the student atmosphere as I have met new friends from other countries, like Russia, Paraguay, Azerbaijan and Bosnia. There is a good relationship between teachers and students, they are very friendly towards us. I also enjoyed the nature of Germany, especially, in Triesdorf."

Muslikhiddin Narzullaev, Uzbekistan, participant in 2020