

Call for Applications:

International Summer University guest lecture in the field of logistics/supply chains

Goal:

This program (partially) finances a virtual teaching assignment and – if desired – travels and stays of international guest lecturers for our International Summer University (ISU) 2024 on the topic of *Sustainable Supply Chains*.

Explanation:

The ISU at Hochschule Darmstadt (h_da) is a short-term study program for international students and will take place from June 27 – July 20, 2024 in Darmstadt, Germany. It consists of an academic course, a German language class and several cultural activities. One of our courses will focus on the topic of *Sustainable Supply Chains*. By attending our program, students can earn 9 ECTS (~ 4,5 US credits) for the successful completion of the course. They earn an additional 3 ECTS for attending a mandatory German language course. Since we only have a short amount of time for on-site teaching, we want to take advantage of the COIL (collaborative online international learning) approach and implement a virtual group project before students arrive in Darmstadt.

Funding details:

Teaching assignment for the virtual group project: ~ 30 contact hours (1 contact hour = 45 minutes). Rate per hour varies from 37 to 45 Euro per contact hour depending upon qualification.

If the guest lecturer wants to be part of the on-site program, the following items can be subsidized:

- Subsidy for travel expenses (for Europe maximum 300 Euro, for overseas maximum 600 Euro)
- Subsidy for accommodation costs (max. 200 Euro for staying in the h_da international guest house)
- Accommodation in Berlin for the 3-day academic excursion
- Public transportation ticket for the city of Darmstadt

In addition, the International Office provides organizational support in administrative matters if required (setting up virtual platforms, communication with students, accommodation in Darmstadt, etc.).

Duration:

The virtual group project should be implemented in late May/early June 2024. Specific dates can be set up with the academic directors after successfully applying for the guest lecture position.

The guest lecturer is also welcome to attend the on-site part of the program in Darmstadt and Berlin to observe the program.

Academic content

The course description for the ISU 2024 *Sustainable Supply Chains* course is attached to this document. The content of the virtual group project should align with the content that is planned for the on-site component. The academic director of the program, Prof. Monika Futschik, is happy to answer any questions in regards to the academic content: monika.futschik@h-da.de

Funding conditions:

The funded person commits him-/herself:

- to take on a virtual teaching assignment that last roughly one month (3 virtual sessions for 1,5 hours each, one office hours per group, etc).
- to supervise the different group projects.
- to offer virtual office hours for the students to discuss their current project status.

The host department commits itself

- to be an academic "home" for guest lecturers during the teaching assignment.
- to clarify academic questions with the guest lecturer (topic of the group projects, grading scale, progress of the group project, etc.).
- to offer access to required virtual platforms (Zoom, Moodle, etc).
- to name an academic contact person for the guest lecturer.

Application documents:

- Short CV of the guest lecturer with the most important stages of the academic vita and a list of publications, research projects, prizes won etc. (written in English).
- 2-3 suggestions of topics that can be used to do the group project and short description (bullet points) how the project would be implemented virtually (a detailed discussion with the academic directors about the final topic will be held after successfully applying for the guest lecture position)

Evaluation criteria:

The academic directors of the ISU module will review all applications. The selection criteria are:

- Professional suitability of the guest lecturer
- Knowledge in the area of Supply Chain Management ideally in context of carbon accounting
- Status of preparation and planning
- Innovation/COIL potential of the suggested group project
- Quality of the submitted application documents

Application:

- Application deadline: January 14, 2024
- The application documents have to be submitted via email to
 - Jessica Mayer, ISU program coordinator: short-term@h-da.de
 - Prof. Monika Futschik, academic director of the *Sustainable Supply Chains* course: monika.futschik@h-da.de

Questions?

If you have any further questions, please contact Jessica Mayer, short-term@h-da.de. She can answer any general questions you might have. For questions regarding the content of the course/virtual group project, please reach out to Prof. Monika Futschik: monika.futschik@h-da.de.

Hessen International Summer University 2024 – Course Syllabus

<https://isu.h-da.de/>

Logistics Module: Sustainable Supply Chains

CLASS HOURS

Consult program schedule

Academic Directors

Name: Prof. Dr. Johanna Bucerius
Office: Max Planck Str. 2, 64807 Dieburg
Office hours: by appointment
Email: short-term@h-da.de

Name: Prof. Dr. Armin Bohnhoff
Office: Max Planck Str. 2, 64807 Dieburg
Office hours: by appointment
Email: short-term@h-da.de

Name: Prof. Dr. Monika Futschik
Office: Max Planck Str. 2, 64807 Dieburg
Office hours: by appointment
Email: short-term@h-da.de

Name: Prof. Dr. Rico Wojanowski
Office: Max Planck Str. 2, 64807 Dieburg
Office hours: by appointment
Email: short-term@h-da.de

1) INFORMATION ON THE COURSE CONTENT

COURSE DESCRIPTION

The over-exploitation of natural resources required to achieve economic growth and development has had a negative impact on the environment while also causing these resources to become scarcer and costlier. It is therefore easy to see why the idea of a circular design of products and systems that offers new ways to create more sustainable supply chain models, is taking hold across the globe. This module is designed to help you understand the growing business case for sustainable supply chain solutions covering topics from environmental social governance in supply chain and supplier management, carbon accounting, green and sustainable distribution and innovative technology solutions. Participants will learn how to design, manage and lead a sustainable supply chain by incorporating circular material, product and system design into your strategies to support sustainable growth. Different requirements of supply chain tiers and various industries such as automotive, retail, pharmaceutical and chemical supply chain are considered in this module.

The teaching and learning contents and objectives as well as the structure of the course are geared mainly towards students of supply chain management, logistics or economics and business administration with specialization in supply chain management. Students with a different academic background should get in touch with the program coordinator to check whether participation is possible or not.

LEARNING OBJECTIVES

To provide an introduction to the basic concepts of sustainable supply chains. Students should be able to conceptualize a sustainable supply chain approach for a specific business, dedicated product and for regions.

COURSE MATERIALS

To be added later

TENTATIVE CLASS SCHEDULE

Class hours virtual: 12 contact hours

Class hours on-site: 90 contact hours

Self-study (virtual & on-site; including virtual group work): 100 contact hours

Total: 202

(1 contact hour = 45 minutes)

| <i>Date</i> | <i>Topic</i> | <i>Type of Seminar</i> |
|--------------------------|---|------------------------|
| May 2024 | Virtual pre-arrival meeting | Online |
| Late May/early June 2024 | Virtual group project | Online |
| June 27, 2024 | Arrival in Darmstadt | Darmstadt |
| June 28, 2024 | Welcome session, city tour, campus tour, welcome dinner | Darmstadt |
| June 29, 2024 | Intercultural training | Darmstadt |
| June 30, 2024 | Traveling to Berlin | |
| July 01, 2024 | Company visits Berlin: Morning: Discussion round with a member of parliament (confirmed) Afternoon: Tesla Giga Factory (planned) | Berlin |
| July 02, 2024 | Company visits Berlin: Morning: Line hydrogen refueling station (planned) Afternoon: pi4 robotics – self-driving delivery robots (planned) | Berlin |
| July 03, 2024 | Free time in Berlin | Berlin |
| July 04, 2024 | Traveling back to Darmstadt | |
| July 05, 2024 | Seminar: lecture introduction sustainable last mile delivery concepts (cargo tram, cargo bike, iHub, micro-hubs, last mile walker, delivery robots, sharing delivery solutions, ...); introduction group assignment | Darmstadt |
| July 08, 2024 | Company visit: DHL Innovation Center: learn about DHL's innovative logistics solution in context of automation, sustainability and digitalization | Troisdorf |
| July 09, 2024 | Seminar: Carbon accounting and CO2 neutrality in global supply chains | Dieburg |
| July 10, 2024 | Company visit: Riese & Müller (leading cargo bike manufacturer) | Mühltal |
| July 12, 2024 | Seminar: Circular economy and revers logistics systems | Dieburg |
| July 15, 2024 | Company visit: Porsche (e-fuels) | Stuttgart |
| July 16, 2024 | Seminar: Environmental social governance in SCM | Darmstadt |
| July 17, 2024 | Seminar: Sustainability in supply chains and best practices/technologies | Darmstadt |

| | | |
|---------------|------------------------------|-----------|
| July 19, 2024 | Seminar: Final Presentations | Darmstadt |
| July 20, 2024 | Departure from Darmstadt | |

INFORMATION ON CLASS PARTICIPATION, ASSIGNMENTS AND EXAMS

ASSIGNMENTS

Active participation and group work on a regular basis.

EXAMS

Group presentation of a project assignment and answering questions related to the project work.

PRACTICE MATERIALS

Online manuscripts to be prepared and distributed among the participants via Moodle (online learning system).

PROFESSIONALISM & CLASS PARTICIPATION

Students are expected to attend the classes and dedicate 1-2 hours a day for preparation through reading and self-study. The participation and self-study will enable the students to answer questions, lead discussions and to contribute with own ideas and opinions.

MISSED CLASSES

No more than 10% of the contact hours can be missed for successful completion of the course module. If students miss a lecture or tutorial it is their own responsibility to obtain information on the topics.

In the event of sickness, a medical certificate must be presented to the Winter University Programme coordinator.

3) INFORMATION ON GRADING AND ECTS

ACADEMIC STANDARDS

Upon successful completion, 9 ECTS will be awarded for the class.

According to the rules of ECTS, one credit is equivalent to 25-30 hours student workload.

GRADING SCALE

| Percentage | Grade | | Description |
|------------|-----------|-----|--|
| 90-100% | 15 points | 1.0 | very good: an outstanding achievement |
| | 14 points | | |
| | 13 points | 1.3 | |
| 80-90% | 12 points | 1.7 | good: an achievement substantially above average requirements |
| | 11 points | 2.0 | |
| | 10 points | 2.3 | |
| 70-80% | 9 points | 2.7 | satisfactory: an achievement which corresponds to average requirements |
| | 8 points | 3.0 | |
| | 7 points | 3.3 | |
| 60-70% | 6 points | 3.7 | sufficient: an achievement which barely meets the requirements |
| | 5 points | 4.0 | |
| 0-60% | 4 points | 5.0 | not sufficient / failed: an achievement which does not meet the requirements |
| | 3 points | | |
| | 2 points | | |
| | 1 point | | |
| | 0 points | | |

This course description was issued on September 14, 2023. The program is subject to change.