

## Module: Trade, Investment and Sustainability

|                              |  |                                |     |
|------------------------------|--|--------------------------------|-----|
| <b>Level</b>                 | Bachelor   | <b>Short Name</b>              | TIS |
| <b>Responsible Lecturers</b> | Prof. Dr. Cabos, Karen                             |                                |     |
| <b>Department, Facility</b>  | Mechanical Engineering and Business Administration |                                |     |
| <b>Course of Studies</b>     | Business Administration and Engineering, Bachelor  |                                |     |
| <b>Compulsory/elective</b>   | Compulsory   | <b>ECTS Credit Points</b>      | 5   |
| <b>Semester of Studies</b>   | 4  | <b>Semester Hours per Week</b> | 4   |
| <b>Length (semesters)</b>    | 1  | <b>Workload (hours)</b>        | 150 |
| <b>Frequency</b>             | SuSe   | <b>Presence Hours</b>          | 60  |
| <b>Teaching Language</b>     | English  | <b>Self-Study Hours</b>        | 90  |

The following section is filled only if there is **exactly one** module-concluding exam.

|                                    |   |                            |                  |
|------------------------------------|---|----------------------------|------------------|
| <b>Exam Type</b>                   | Portfolio Exam  | <b>Exam Language</b>       | English          |
| <b>Exam Length (minutes)</b>       | 90  | <b>Exam Grading System</b> | One-third Grades |
| <b>Learning Outcomes</b>           | <p>Based on principles of economic thinking this course gives an introduction into the origins of the sustainability debate and focuses on two central topics: the relationship between pollution and international trade, and the importance of valuing the environment for sustainable investments.</p> <p>After completing the course, students</p> <ul style="list-style-type: none"> <li>• Are able to explain the origin of sustainability issues</li> <li>• Can assess the implications of liberalizing international trade for international pollution</li> <li>• Are able to identify trade policies that help to foster an international circular economy</li> <li>• Know concepts of environmental valuation and carbon pricing</li> <li>• Understand the principles of sustainable finance</li> </ul> |                            |                  |
| <b>Participation Prerequisites</b> | Basic knowledge of economic thinking would be helpful but is not mandatory  |                            |                  |

The previous section is filled only if there is **exactly one** module-concluding exam.

|   |   |
|---|---|
| <b>Consideration of Gender and Diversity Issues</b> | <ul style="list-style-type: none"> <li>✓ Use of gender-neutral language (THL standard)</li> <li>✓ Target group specific adjustment of didactic methods</li> <li>✓ Making subject diversity visible (female researchers, cultures etc.)</li> </ul> |
| <b>Applicability</b>                                |   |
| <b>Remarks</b>                                      | This course invites international and groups of students from potentially different backgrounds (business, economics, natural sciences) to work together in teams   |

## Module Course: Trade, Investment and Sustainability

(of Module: Trade, Investment and Sustainability)

|   |         |                                |                  |
|---|---------|--------------------------------|------------------|
| <b>Course Type</b>                                    | Lecture | <b>Form of Learning</b>        | Presence         |
| <b>Mandatory Attendance</b>                           | no      | <b>ECTS Credit Points</b>      | 5                |
| <b>Participation Limit</b>                            |         | <b>Semester Hours per Week</b> | 4                |
| <b>Group Size</b>                                     |         | <b>Workload (hours)</b>        | 150              |
| <b>Teaching Language</b>                              | English | <b>Presence Hours</b>          | 60               |
| <b>Study Achievements<br/>("Studienleistung", SL)</b> |         | <b>Self-Study Hours</b>        | 90               |
| <b>SL Length (minutes)</b>                            |         | <b>SL Grading System</b>       | One-third Grades |

The following section is filled only if there is a course-specific exam.

|                                    |  |                            |  |
|------------------------------------|--|----------------------------|--|
| <b>Exam Type</b>                   |  | <b>Exam Language</b>       |  |
| <b>Exam Length (minutes)</b>       |  | <b>Exam Grading System</b> |  |
| <b>Learning Outcomes</b>           |  |                            |  |
| <b>Participation Prerequisites</b> |  |                            |  |

The previous section is filled only if there is a course-specific exam.

|                   |   |
|-------------------|---|
| <b>Contents</b>   | <ul style="list-style-type: none"> <li>• Origins and Ethics of Sustainability</li> <li>• Welfare economics and the Environment</li> <li>• International Environmental Problems: Pollution</li> <li>• International Trade Policies and the Environment</li> <li>• Valuing the Environment and Carbon Pricing</li> <li>• Principles of Sustainable Investment</li> </ul>  |
| <b>Literature</b> | <p><i>Perman et al. (2022):</i> Natural Resource and Environmental Economics, Pearson</p> <p><i>Tietenberg; Lewis (2020):</i> Environmental Economics: The Essentials, Routledge</p> <p><i>Smith (2011):</i> Environmental Economics: A very Short Introduction, Oxford U.P.</p> <p><i>Steinfatt (2020):</i> Trade Policies for a Circular Economy, WTO</p> <p><i>Spinaci (2020),</i> Green and Sustainable Finance, EU</p> <p><i>Cochran, Pauthier (2019),</i> A Framework for Alignment with the Paris Agreement: Why, What and How for Financial Institutions, European Climate Foundation</p> |
| <b>Remarks</b>    |   |