

Module title		Abbreviation
Food System Assessment		07-MGCS-F-FSA-252-m01
Module coordinator		Module offered by
Dean of the Faculty of Biology		Faculty of Biology
ECTS	Method of grading	Only after succ. compl. of module(s)
10	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	graduate	--
Contents		
<p>The module will include workshops, lectures and seminars on: Food system:</p> <ul style="list-style-type: none"> • definition and approaches • Food system mapping • Food processing, consumption & dietary patterns, including product development, manufacturing, nutritional and sensory quality, storage, packaging engineering, marketing, advertising and distribution • The role of food producers, retailers, consumers, etc. along the entire value chain • Sustainable agricultural practices around the world (organic agriculture, nature-inclusive agriculture, agroecology, agroforestry, permaculture, etc.) • Specific food industries, Big Food e.g. Nestle, Pepsi-Co, Kraft-Heinz; Danone (infant formula) • The banana: production, distribution and consumption • Food and conflict 		
Intended learning outcomes		
<p>This module facilitates students to develop the tools to explain and evaluate food systems, i.e. the way people and social groups organise themselves to access and consume food, and how their transformation may affect the future of humanity and the planet.</p> <p>After this module, students will be able to:</p> <ol style="list-style-type: none"> 1. Describe a food systems perspective to evaluate food-related sustainability challenges and transformations. 2. Identify and evaluate food systems transformations and their consequences in terms of different dimensions of sustainable development at different levels, from local to global. 3. Analyse the public health, environmental and social consequences of food production and consumption in a transdisciplinary fashion. 		
Courses (type, number of weekly contact hours, language — if other than German)		
S (4) Module taught in: English		
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)		
<p>Portfolio (10 to 15 written or oral assessments, each 5 to 10 pages or 10 to 15 minutes)</p> <p>Oral examinations can also be held as group examinations. The examination time will be determined according to the number of participants, with the specified time frame of 10 to 15 minutes being applied per candidate.</p> <p>Language of assessment: English</p>		
Allocation of places		
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Additional information		
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Workload		
300 h		
Teaching cycle		
Teaching cycle: every semester		

Referred to in LPO I (examination regulations for teaching-degree programmes)

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Module appears in

Master's degree (1 major) Global Challenges for Sustainability (2025)