

**WP II: Business modules (elective)**

<b>Number/Code</b>	F43
<b>Module Name</b>	<b>Information systems for the food industry</b>
<b>Type of Module</b>	Business module (elective)
<b>Educational Outcomes, Competencies, Qualification Objectives</b>	<p>Students</p> <ul style="list-style-type: none"> <li>• know the organisation of food processing enterprises</li> <li>• know the specific problems and economic constraints of the food industry</li> <li>• are familiar with the essential features of information systems and their components</li> <li>• know structures of data and processes and the interrelationship between subsystems</li> <li>• know which data are relevant for successful operation of a food business</li> <li>• know the interfaces between subsystems</li> <li>• are familiar with the basics of data processing and relevant software</li> <li>• understand the procedures of system analysis and system implementation</li> <li>• know details of comprehensive information systems for the food industry and can apply this knowledge to solve problems, in particular in the fields of production and logistics</li> </ul>
<b>Types of Courses</b>	Seminar (4 SWS)
<b>Course Content</b>	<ul style="list-style-type: none"> <li>• Models of organisation of food processing enterprises</li> <li>• Problems specific to food industry</li> <li>• Information systems in food industry</li> <li>• Structure of information systems, hardware, software, data bases, tools and add-ons</li> <li>• System analysis and system implementation</li> <li>• Components of comprehensive software packages of logistics, production and quality management</li> </ul>
<b>Course Title</b>	Information systems for the food industry
<b>Teaching and Learning Methods (Types of Teaching and Learning)</b>	Instructions (including e-learning), seminar, exercises
<b>Module Applicability</b>	MSc International Food Business and Consumer Studies
<b>Duration of Module</b>	1 Semester
<b>Frequency of Module</b>	Annually, winter term
<b>Language</b>	English
<b>Recommended (Content) Prerequisites for Taking the Module</b>	-
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<b>Students Workload</b>	180 hours, of which 60 contact hours, 120 hours of independent study
<b>Course Projects</b>	-
<b>Prerequisites for Admission to Examination</b>	-
<b>Examination</b>	Written examination
<b>Number of Credits for the Module</b>	6
<b>Teaching Unit</b>	Department of Nutritional, Food and Consumer Sciences, Fulda University of Applied Sciences
<b>Module Coordinator</b>	Prof. Dr. Anton Auer, Fulda University of Applied Sciences
<b>Module Teacher</b>	Prof. Dr. Anton Auer
<b>Types of Media</b>	E-learning platform
<b>Literature</b>	Lecture based materials