Course Descriptions None 2026-2027

Course Title	Systems Analysis and Design
Course Code	EBC2072
ECTS Credits	6,5
Assessment	Whole/Half Grades

Period

Period	Start	End	Mon	Tue	Wed	Thu	Fri
4	1-2-2027	25-3-2027	X			X	

Level	Introductory/Intermediate
Coordinator	Frank Harmsen For more information:f.harmsen@maastrichtuniversity.nl
Language of instruction	English
Goals	All businesses and Organisations develop or buy information systems. While the main purpose of these systems is to store and retrieve information, each system is unique and meets a different demand. In order to build properly functioning systems, it is essential that all requirements of the new information systems are analysed and translated into blueprints for future system implementations. This course will provide you with the necessary insights, and teach you the skills and methodologies to analyse and design information systems. Graduates have academic, evidence-based knowledge and understanding of theories, methods and tools in business/economics. Graduates can apply their knowledge and understanding to identify and solve real life business/economic problems. This includes demonstrating analytical skills and a problem-solving attitude. Graduates can effectively function in a multicultural environment and work in multicultural teams. This includes demonstrating interpersonal skills and a high proficiency of English.
Description	All businesses and organizations develop or buy information systems (ISs). While the main purpose of these systems is to store and retrieve information, each system is unique and meets a different demand. To build properly functioning systems, it is essential that all requirements of the new information systems are analyzed and translated into blueprints for future system implementations. This course will provide the student with the necessary insights and teach her the skills and methodologies to analyze and design information systems. The course will discuss the systems development lifecycle to describe the process of developing an information system. In particular, the course will deal with techniques that are typically used in the planning, analysis and design stages.
Literature	Book: Valacich, Joseph S., George, Joey F., Modern Systems Analysis And Design, Edition 9. Various papers, case descriptions and readers.
Prerequisites	An advanced level of English.
Transitional Regulations	<ul class="trcohorts"> - Bachelor Economics and Business Economics - International Business Economics - Major Accounting [2024-2025 or earlier] - Bachelor Economics and Business Economics - International Business Economics - Major Finance [2024-2025 or earlier] - Bachelor Economics and Business Economics - International Business Economics - Major Information Management [2024-2025 or earlier] - Bachelor Economics and Business Economics - International Business Economics - Major Macroeconomics [2024-2025 or earlier] - Bachelor Economics and Business Economics - International Business Economics - Major Marketing [2024-2025 or earlier] - Bachelor Economics and Business Economics - International Business Economics - Major Microeconomics [2024-2025 or earlier] - Bachelor Economics and Business Economics - International Business Economics - Major Organisation [2024-2025 or earlier] - Bachelor Economics and Business Economics - International Business Economics - Major Strategy [2024-2025 or earlier] - Bachelor Economics and Business Economics - International Business Economics - Major Supply Chain Management [2024-2025 or earlier] - From 2025-2026 onwards, education and exam/resit opportunities are offered. Alternative options may be available. See the Bachelor EER 2025-2026 Appendix I Article 16 for more information. <table><col style="width: 200px;"><col style="width: 120px;"><col style="width: 120px;"><col><thead><tr><th>Academic Year</th><th>Education</th><th>Exam/Resit</th><th>Replacement(s)</th></tr></thead><tbody><tr><td>2025-2026 onwards</td><td>X</td><td>X</td><td>See the Bachelor EER 2025-2026 Appendix I Article 16 for more information</td></tr></tbody></table> <ul class="trcohorts"> - Bachelor International Business - Major Accounting [2024-2025 or earlier] - Bachelor International Business - Major Finance [2024-2025 or earlier] - Bachelor International Business - Major Marketing [2024-2025 or earlier] - Bachelor International Business - Major Organisation [2024-2025 or earlier] - Bachelor International Business - Major Strategy [2024-2025 or earlier] - Bachelor International Business - Major Supply Chain Management [2024-2025 or earlier] - From 2025-2026 onwards, education and exam/resit opportunities are offered. Alternative options may be available. See the Bachelor EER 2025-2026 Appendix I Article 18 for more information. <table><col style="width: 200px;"><col style="width: 120px;"><col style="width: 120px;"><col><thead><tr><th>Academic Year</th><th>Education</th><th>Exam/Resit</th><th>Replacement(s)</th></tr></thead><tbody><tr><td>2025-2026 onwards</td><td>X</td><td>X</td><td>See the Bachelor EER 2025-2026 Appendix I Article 18 for more information</td></tr></tbody></table> <ul class="trcohorts"> - Pre-master International Business - Information Management and Business Intelligence [2022-2023 and earlier] - In 2023-2024 education and exam/resit opportunities are offered. Alternatively, students can take EBC2060 "Digitalisation and Organisation" or EBC2039 "Knowledge Management". - From 2024-2025 onwards, the course is cancelled. <table><col style="width: 200px;"><col style="width: 120px;"><col style="width: 120px;"><col><thead><tr><th>Academic Year</th><th>Education</th><th>Exam/Resit</th><th>Replacement(s)</th></tr></thead><tbody><tr><td>2023-2024</td><td>X</td><td>X</td><td>EBC2060 "Digitalisation and Organisation" or EBC2039 "Knowledge Management"</td></tr><tr><td>2024-2025 onwards</td><td> </td><td> </td><td> </td></tr></tbody></table>
Teaching methods	PBL / Presentation / Lecture / Assignment / Groupwork
Assessment methods	Final Paper / Participation / Written Exam / Assignment / Presentation
Evaluation in previous academic year	For the complete evaluation of this course please click http://iwio-sbe.maastrichtuniversity.nl/rapporten.asp?referrer=codeUM

This course belongs to the following programme / specialisation

Bachelor Economics and Business Economics - Economics	Year 3 Business Electives
Bachelor Economics and Business Economics - Emerging Markets	Year 3 Elective Courses
Bachelor Economics and Business Economics - Economics and Management of Information	Year 2 Compulsory Courses
Bachelor Economics and Business Economics - International Business Economics	In transition - Maj Accounting - Inf Mgmt Elec
Bachelor Economics and Business Economics - International Business Economics	In transition - Maj Finance - Inf Mgmt Elec
Bachelor Economics and Business Economics - International Business Economics	In transition - Maj Inf Mgmt - Core Courses
Bachelor Economics and Business Economics - International Business Economics	In transition - Maj Macro - Business Elec
Bachelor Economics and Business Economics - International Business Economics	In transition - Maj Macro - Inf Mgmt Elec
Bachelor Economics and Business Economics - International Business Economics	In transition - Maj Marketing - Inf Mgmt Elec
Bachelor Economics and Business Economics - International Business Economics	In transition - Maj Micro - Business Elec
Bachelor Economics and Business Economics - International Business Economics	In transition - Maj Micro - Inf Mgmt Elec
Bachelor Economics and Business Economics - International Business Economics	In transition - Maj Org - Inf Mgmt Elec
Bachelor Economics and Business Economics - International Business Economics	In transition - Maj SCM - Inf Mgmt Elec
Bachelor Economics and Business Economics - International Business Economics	In transition - Maj Strategy - Inf Mgmt Elec
Bachelor Economics and Business Economics - International Business Economics	Year 3 Business Elective
Bachelor Economics and Business Economics - International Business Economics	Year 3 Information Management Elective
Bachelor International Business - Emerging Markets	Year 3 Elective Courses
Bachelor International Business	In transition - Maj Accounting - Business Elec
Bachelor International Business	In transition - Maj Finance - Business Elec
Bachelor International Business	In transition - Maj Marketing - Business Elec
Bachelor International Business	In transition - Maj Org - Business Elec
Bachelor International Business	In transition - Maj SCM - Business Elec
Bachelor International Business	In transition - Maj Strategy - Business Elec
Bachelor International Business	Year 3 Core Courses - Maj Inf Mgmt
SBE Exchange Bachelor	Bachelor Exchange Courses
SBE Exchange Master	Bachelor Exchange Courses
SBE Non Degree Courses	Bachelor Courses
Pre-master Business Intelligence and Smart Services	Compulsory Courses
Pre-master Digital Business Economics	Compulsory Courses
Pre-master International Business specialisation Information Management and Business Intelligence	Cancelled - Disciplinary Courses