

Course Descriptions None 2025-2026

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

| Period | Start | End | Mon | Tue | Wed | Thu | Fri |
|--------|----------|-----------|-----|-----|-----|-----|-----|
| 4 | 2-2-2026 | 27-3-2026 | 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 <div class="trreg"><div class="subtitle">TRANSITIONAL REGULATIONS</div><ul class="trcohorts">Bachelor Economics and Business Economics - International Business Economics [2024-2025 or earlier]Bachelor International Business [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;"><thead><tr><th>Academic Year</th><th>Education</th><th>Exam/Resit</th><th>Replacement(s)</th></tr></thead><tbody><tr><td>2025-2026</td><td>X</td><td>X</td><td></td></tr></tbody></table><div class="trreg"><div class="subtitle">TRANSITIONAL REGULATIONS</div><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;"><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></div>

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 | Disciplinary Courses |
| Pre-master Digital Business Economics | Disciplinary Courses |
| Pre-master International Business specialisation Information Management and Business Intelligence | Cancelled - Disciplinary Courses |