

Course Descriptions Exchange 2021-2022

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 | 31-1-2022 | 25-3-2022 | X | | | X | |

Level 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 This course will provide students with the necessary tools & skills to analyse and design an information system. Also basics of data management and data modelling will be part of this course. After completing this course students will be able to translate business requirements into an information systems design. No programming skills are necessary to follow this course. However, good analytical skills are needed. During the course we will address and apply techniques such as Data flow diagrams, Entity-Relationship diagrams and relational modelling.

There may be lectures on the technical parts of the course or guest lectures to explain the topics in more detail and introduce their real life applications. These lectures will be followed by group sessions in which students apply their knowledge. During most tutorial meetings, exercises will be discussed. These exercises have to be prepared by all individual students. Working in teams or groups on these assignments is fully acceptable, but in no way mandatory. In addition, each student will be involved in hosting one or several tutorial meetings. Finally, the course includes one group assignment which has to be prepared by subgroups of 3-4 students.

Literature Modern Systems Analysis And Design
 Authors: George, Joey F.; Valacich, Joseph S.
 Edition: 8 (global edition)
 Published by: Pearson.
 ISBN10: 0-292-15414-4
 ISBN13: 978-1-292-15414-5

Prerequisites An advanced level of English

Teaching methods PBL / Presentation / Lecture / Assignment / Papers / Groupwork

Assessment methods Attendance / Participation / Written Exam

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

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