# Course Descriptions None 2015-2016

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| 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 | 1-2-2016 | 1-4-2016 | X/E | | | X/E | |

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| Level | Intermediate |
| Coordinator | Laury Bollen For more information:l.bollen@maastrichtuniversity.nl |
| Language of instruction | English |

Goals

All businesses and Organisations develop or buy information system. 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.

For the more technical parts of the course, various lectures will be organized to properly introduce and explain the topics at hand. These lectures will be followed by a 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: Hoffer, Jeffrey A.; George, Joey F.; Valacich, Joseph S.
Edition: 7 (International edition)
Published by: Pearson.
ISBN10: 0-273-78709-8
ISBN13: 978-0-273-78709-9

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| Prerequisites | An advanced level of English |
| Teaching methods | PBL / Lecture / Assignment |
| Assessment methods | 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 Specialisation Economics | IBE Electives |
| Bachelor Economics and Business Economics Specialisation Economics and Management of Information | Year 2 Compulsory Courses |
| Bachelor Economics and Business Economics Specialisation International Business Economics | Business Elective |
| Bachelor Economics and Business Economics Specialisation International Business Economics | Information Management Electives |
| Bachelor Economics and Business Economics Specialisation International Business Economics | Major Information Management |
| Bachelor International Business Specialisation Emerging Markets | Major Information Management |
| Bachelor International Business | Business Electives (Major Accounting) |
| Bachelor International Business | Business Electives (Major Finance) |
| Bachelor International Business | Business Electives (Major Marketing) |
| Bachelor International Business | Business Electives (Major Organisation) |
| Bachelor International Business | Business Electives (Major Strategy) |
| Bachelor International Business | Business Electives (Major Supply Chain Management) |
| Bachelor International Business | Major Information Management |
| SBE Exchange Bachelor | Bachelor Exchange Courses |
| SBE Exchange Master | Bachelor Exchange Courses |
| SBE Non Degree Courses | Bachelor Courses |