Course Descriptions None 2018-2019

Course Title	Systems Analysis and Design
Course Code	EBC2072
ECTS Credits	6,5
Assessment	None

Period

Period	Start	End	Mon	Tue	Wed	Thu	Fri
4	4-2-2019	5-4-2019	X/E			X/E	

Level	Intermediate
Coordinator	Banu Aysolmaz For more information:b.aysolmaz@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.

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 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

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

Bachelor Economics and Business Economics - Economics	IBE Electives
Bachelor Economics and Business Economics - Emerging Markets	Business Electives
Bachelor Economics and Business Economics - Emerging Markets	Major Information Management
Bachelor Economics and Business Economics - Economics and Management of Information	Year 2 Compulsory Courses
Bachelor Economics and Business Economics - International Business Economics	Business Electives
Bachelor Economics and Business Economics - International Business Economics	Information Management Electives
Bachelor Economics and Business Economics - International Business Economics	Major Information Management
Bachelor International Business - 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