Course Descriptions None 2024-2025

Course Title	ERP and Business Intelligence Systems
Course Code	EBC2061
ECTS Credits	6,5
Assessment	Whole/Half Grades

Period

Period	Start	End	Mon	Tue	Wed	Thu	Fri
5	14-4-2025	8-6-2025		X			X

Level	Intermediate
Coordinator	Lars Rieser For more information:l.rieser@maastrichtuniversity.nl
Language of instruction	English
Goals	* Understand the costs and benefits of modern enterprise systems * Understand the managerial challenges associated with the selection, implementation and use of enterprise systems in organisations * Be familiar with the basic Business Intelligence process, the impact of Big Data and other emerging technologies * Understand the ethical issues surrounding the use of data as a corporate asset * Critically assess organizational IT initiatives to identify shortcomings * Work in a team to analyse business cases
Description	The focus of this course will be on how firms implement and use information technologies such as Enterprise Resource Planning (ERP) systems (e.g. SAP and Oracle) and Business Intelligence (BI) systems. Over the last two decades, the proliferation of these systems has profoundly changed the way in which management information is produced and used within organisations. Large-scale enterprise systems enable organizations to streamline their operations and collect (structured) data on every aspect of their internal organization. Implementing these large systems however often comes with a set of issues and challenges. Once implemented, data originating in these systems provides the basis for the organizations Business Intelligence function which aims to provide historical and real-time insights into business operations to support organizational decision-making. With the rise of Big Data outside the organization, Business Intelligence now also aims to integrate this (unstructured) data to get better insights into external developments. In this course we will introduce these two types of information systems (ERP and BI) and the managerial challenges associated with them. As such this course will take a managerial approach to ERP & BI Systems. The emphasis of this course will be on the impact these systems have on organisations and people within these organisations. As such we will rely on a mix of academic articles and real-life case studies to facilitate the learning process.
Literature	Academic Articles, Case Studies (Harvard Business Cases)
Prerequisites	This course has been cancelled for the pre-master International Business specialisation Information Management and Business Intelligence. See the Bachelor Education and Examination Regulations for more information. The following rule applies to pre-master students who started the programme prior to academic year 2023-2024. Specifically: * Pre-master International Business specialisation Information Management and Business Intelligence TRANSITIONAL REGULATION (EBC2061): Students who have not been able to successfully complete "ERP and Business Intelligence Systems" (EBC2061) before 2024-2025, do not comply with the requirement to successfully complete the pre-master in two academic years. Therefore, no additional examination options will be available. PREREQUISITES: * This course requires a basic knowledge on the role of information systems in organisations. Students should be aware of the various types of information systems that are used within large organisations (e.g. operational information systems versus decision support systems). Therefore an introductory course on management information systems is recommended as a prerequisite. No technical IT knowledge is required. * An advanced level of English
Teaching methods	PBL / Presentation / Assignment / Papers / Groupwork
Assessment methods	Final Paper / Assignment
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 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 3 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 Econometrics and Operations Research	Year 3 Elective Course(s)
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
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 Course(s)
Pre-master Digital Business Economics	Disciplinary Course(s)
Pre-master International Business specialisation Information Management and Business Intelligence	Cancelled