Course Descriptions None 2026-2027

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	12-4-2027	4-6-2027		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 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.
Transitional Regulations	<ul class="trcohorts"> - Bachelor Economics and Business Economics - Economics and Management of Information [2024-2025 or earlier] - Bachelor Economics and Business Economics - International Business Economics - Major Accounting [2024-2025 or earlier] - Bachelor Economics and Business Economics - International Business Economics - Major Finance [2024-2025 or earlier] - Bachelor Economics and Business Economics - International Business Economics - Major Information Management [2024-2025 or earlier] - Bachelor Economics and Business Economics - International Business Economics - Major Macroeconomics [2024-2025 or earlier] - Bachelor Economics and Business Economics - International Business Economics - Major Marketing [2024-2025 or earlier] - Bachelor Economics and Business Economics - International Business Economics - Major Microeconomics [2024-2025 or earlier] - Bachelor Economics and Business Economics - International Business Economics - Major Organisation [2024-2025 or earlier] - Bachelor Economics and Business Economics - International Business Economics - Major Strategy [2024-2025 or earlier] - Bachelor Economics and Business Economics - International Business Economics - Major Supply Chain Management [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;"><col><thead><tr><th>Academic Year</th><th>Education</th><th>Exam/Resit</th><th>Replacement(s)</th></tr></thead><tbody><tr><td>2025-2026 onwards</td><td>X</td><td>X</td><td>See the Bachelor EER 2025-2026 Appendix I Article 16 for more information</td></tr></tbody></table> <ul class="trcohorts"> - Bachelor International Business - Major Accounting [2024-2025 or earlier] - Bachelor International Business - Major Finance [2024-2025 or earlier] - Bachelor International Business - Major Marketing [2024-2025 or earlier] - Bachelor International Business - Major Organisation [2024-2025 or earlier] - Bachelor International Business - Major Strategy [2024-2025 or earlier] - Bachelor International Business - Major Supply Chain Management [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 18 for more information. <table><col style="width: 200px;"><col style="width: 120px;"><col style="width: 120px;"><col><thead><tr><th>Academic Year</th><th>Education</th><th>Exam/Resit</th><th>Replacement(s)</th></tr></thead><tbody><tr><td>2025-2026 onwards</td><td>X</td><td>X</td><td>See the Bachelor EER 2025-2026 Appendix I Article 18 for more information</td></tr></tbody></table> <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. - From 2024-2025 onwards, the course is cancelled. Note that in 2023-2024, EBC2039 "Knowledge Management" or EBC2060 "Digitalisation and Organisation" is offered as a replacement course. <table><col style="width: 200px;"><col style="width: 120px;"><col style="width: 120px;"><col><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>EBC2039 "Knowledge Management" or EBC2060 "Digitalisation and Organisation"</td></tr><tr><td>2024-2025 onwards</td><td> </td><td> </td><td> </td></tr></tbody></table>
Teaching methods	Presentation / Lecture / Assignment / Papers / Groupwork
Assessment methods	Attendance / Participation / Written Exam / 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 Electives
Bachelor Economics and Business Economics - Emerging Markets	Year 3 Elective Courses
Bachelor Economics and Business Economics - Economics and Management of Information	In transition - Year 3 Compulsory Courses
Bachelor Economics and Business Economics - Economics and Management of Information	Year 2 Elective 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 Econometrics and Operations Research	Year 3 Elective Courses
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	Compulsory Courses
Pre-master Digital Business Economics	Compulsory Courses
Pre-master International Business specialisation Information Management and Business Intelligence	Cancelled - Disciplinary Courses