# Course Descriptions None 2023-2024

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| 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 | 15-4-2024 | 7-6-2024 | | X | | | X |

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| 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<br>* Understand the managerial challenges associated with the selection, implementation and use of enterprise systems in organisations<br>* Be familiar with the basic Business Intelligence process, the impact of Big Data and other emerging technologies<br>* Understand the ethical issues surrounding the use of data as a corporate asset<br>* Critically assess organizational IT initiatives to identify shortcomings<br>* 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.<br><br>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 | TRANSITIONAL REGULATIONS:<br>This course is in transition within the pre-master International Business specialisation Information Management and Business Intelligence<br><br>The following rule applies to pre-master International Business specialisation Information Management and Business Intelligence students who started the programme prior to academic year 2023-2024.<br>TRANSITIONAL REGULATION (EBC2061):<br>Repeat the course or replace it with either Digitalisation and Organisation (EBC2060) in period 1 or Knowledge Management (EBC2039) in period 2.<br><br>See the Transitional Regulations section in the Bachelor Education and Examination Regulations for more information.<br><br>PREREQUISITES:<br>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.<br><br>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

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| 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 |
| Transitional Regulations | See prerequisites |
| 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) |