

<b>Module title</b>		<b>Abbreviation</b>
Business Intelligence		12-BIF-211-m01
<b>Module coordinator</b>		<b>Module offered by</b>
Holder of the Chair of Information Systems Engineering		Faculty of Business Management and Economics
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
5	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	--
<b>Contents</b>		
Technologies and methods of "Business Intelligence" are aimed at supporting managerial decision-making processes by analyzing and presenting large amounts of data. The module provides an overview of the corresponding analytical information systems, their technical architecture and areas of application. In the practical exercises, the concepts taught are practically demonstrated and applied by the example of a state-of-the-art BI software suite.		
<b>Intended learning outcomes</b>		
<ul style="list-style-type: none"> <li>- Understand the technological foundations of data warehouses and BI tools.</li> <li>- Analyse and design conceptual models for analytical information systems.</li> <li>- Apply real-world BI software products to analyse large structured data sets</li> </ul>		
<b>Courses</b> (type, number of weekly contact hours, language — if other than German)		
V (2) + Ü (2)		
<b>Method of assessment</b> (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)		
a) Written examination (approx. 60 minutes) or b) Term paper (approx. 20 pages) or c) Term paper (10 to 20 pages) and presentation (approx. 15 minutes), weighted 2:1 or d) entirely or partly computerised written examination (apprx. 60 minutes) Language of assessment: German and/or English		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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<b>Workload</b>		
150 h		
<b>Teaching cycle</b>		
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<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
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<b>Module appears in</b>		
Bachelor' degree (1 major) Biology (2011) Bachelor' degree (1 major) Chemistry (2010) Bachelor' degree (1 major) Physics (2012) Bachelor' degree (1 major) Psychology (2010) Bachelor' degree (1 major) Economathematics (2012) Bachelor' degree (1 major) Romanic Languages (French/Spanish) (2013) Bachelor's degree (1 major, 1 minor) Pedagogy (2011)		

Bachelor's degree (1 major, 1 minor) Pedagogy (2013)  
 Bachelor's degree (1 major, 1 minor) French Studies (2013)  
 Bachelor's degree (1 major, 1 minor) History (2010)  
 Bachelor's degree (1 major, 1 minor) Pre- and Protohistoric Archaeology (2012)  
 Bachelor's degree (1 major, 1 minor) Spanish Studies (2010)  
 Bachelor's degree (1 major, 1 minor) Political and Social Studies (2013)  
 Bachelor's degree (1 major, 1 minor) English and American Studies (2010)  
 Bachelor's degree (1 major, 1 minor) Russian Language and Culture (2008)  
 Bachelor's degree (1 major, 1 minor) Gallo-Roman philology (2010)  
 Bachelor's degree (1 major, 1 minor) German Language and Literature (2013)  
 Bachelor's degree (1 major, 1 minor) German Language and Literature (2010)  
 Bachelor's degree (1 major, 1 minor) Italian Studies (2010)  
 Bachelor's degree (2 majors) Classical Archaeology (2013)  
 Bachelor's degree (2 majors) Pedagogy (2013)  
 Bachelor's degree (2 majors) Philosophy (2013)  
 Bachelor's degree (2 majors) Special Education (2009)  
 Bachelor's degree (2 majors) Digital Humanities (2012)  
 Bachelor's degree (2 majors) Political and Social Studies (2011)  
 Bachelor's degree (2 majors) Russian Language and Culture (2012)  
 Bachelor's degree (2 majors) European Ethnology (2013)  
 Magister Theologiae Catholic Theology (2013)  
 Bachelor's degree (2 majors) English and American Studies (2009)  
 Bachelor's degree (2 majors) German Language and Literature (2013)  
 Bachelor' degree (1 major) Chemistry (2015)  
 Bachelor' degree (1 major) Geography (2015)  
 Bachelor' degree (1 major) Mathematics (2015)  
 Bachelor' degree (1 major) Musicology (2015)  
 Bachelor' degree (1 major) Physics (2015)  
 Bachelor' degree (1 major) Psychology (2015)  
 Bachelor' degree (1 major) Business Management and Economics (2015)  
 Bachelor' degree (1 major) Nanostructure Technology (2015)  
 Bachelor' degree (1 major) Econometrics (2015)  
 Bachelor' degree (1 major) Biomedicine (2015)  
 Bachelor' degree (1 major) Music Education (2015)  
 Bachelor' degree (1 major) Computational Mathematics (2015)  
 Bachelor' degree (1 major) Political and Social Studies (2015)  
 Bachelor' degree (1 major) Functional Materials (2015)  
 Bachelor' degree (1 major) Academic Speech Therapy (2015)  
 Bachelor' degree (1 major) Indology/South Asian Studies (2015)  
 Bachelor's degree (1 major, 1 minor) Egyptology (2015)  
 Bachelor's degree (1 major, 1 minor) Pedagogy (2015)  
 Bachelor's degree (1 major, 1 minor) History (2015)  
 Bachelor's degree (1 major, 1 minor) Musicology (2015)  
 Bachelor's degree (1 major, 1 minor) Philosophy (2015)  
 Bachelor's degree (1 major, 1 minor) Pre- and Protohistoric Archaeology (2015)  
 Bachelor's degree (1 major, 1 minor) Ancient World (2015)  
 Bachelor's degree (1 major, 1 minor) Music Education (2015)  
 Bachelor's degree (1 major, 1 minor) Philosophy and Religion (2015)  
 Bachelor's degree (1 major, 1 minor) Theological Studies (2015)  
 Bachelor's degree (1 major, 1 minor) Political and Social Studies (2015)  
 Bachelor's degree (1 major, 1 minor) Russian Language and Culture (2015)  
 Bachelor's degree (1 major, 1 minor) German Language and Literature (2015)  
 Bachelor's degree (2 majors) Egyptology (2015)

Bachelor's degree (2 majors) Pedagogy (2015)  
 Bachelor's degree (2 majors) Protestant Theology (2015)  
 Bachelor's degree (2 majors) Musicology (2015)  
 Bachelor's degree (2 majors) Philosophy (2015)  
 Bachelor's degree (2 majors) Special Education (2015)  
 Bachelor's degree (2 majors) Pre- and Protohistoric Archaeology (2015)  
 Bachelor's degree (2 majors) Latin Philology (2015)  
 Bachelor's degree (2 majors) Music Education (2015)  
 Bachelor's degree (2 majors) Philosophy and Religion (2015)  
 Bachelor's degree (2 majors) Theological Studies (2015)  
 Bachelor's degree (2 majors) Digital Humanities (2015)  
 Bachelor's degree (2 majors) Political and Social Studies (2015)  
 Bachelor's degree (2 majors) Russian Language and Culture (2015)  
 Bachelor's degree (2 majors) Greek Philology (2015)  
 Bachelor's degree (2 majors) European Ethnology (2015)  
 Bachelor's degree (2 majors) Indology/South Asian Studies (2015)  
 Bachelor's degree (2 majors) Ancient Near Eastern Studies (2015)  
 Bachelor's degree (2 majors) Geography (2015)  
 Bachelor's degree (2 majors) French Studies (2015)  
 Bachelor's degree (2 majors) History (2015)  
 Bachelor's degree (2 majors) Sport Science (Focus on health and Pedagogics in Movement) (2015)  
 Bachelor's degree (2 majors) German Language and Literature (2015)  
 Bachelor' degree (1 major) Mathematical Physics (2016)  
 Bachelor's degree (2 majors) Theological Studies (2011)  
 Bachelor's degree (1 major, 1 minor) French Studies (2016)  
 Bachelor's degree (2 majors) French Studies (2016)  
 Bachelor's degree (1 major, 1 minor) Italian Studies (2016)  
 Bachelor's degree (2 majors) Italian Studies (2016)  
 Bachelor's degree (1 major, 1 minor) Spanish Studies (2016)  
 Bachelor's degree (2 majors) Spanish Studies (2016)  
 Bachelor' degree (1 major) Romanic Languages (French/Italian) (2016)  
 Bachelor' degree (1 major) Romanic Languages (French/Spanish) (2016)  
 Bachelor' degree (1 major) Romanic Languages (Italian/Spanish) (2016)  
 Bachelor' degree (1 major) Business Information Systems (2016)  
 Bachelor' degree (1 major) Games Engineering (2016)  
 Bachelor's degree (1 major, 1 minor) English and American Studies (2016)  
 Bachelor's degree (2 majors) English and American Studies (2016)  
 Bachelor' degree (1 major) Media Communication (2016)  
 Bachelor' degree (1 major) Food Chemistry (2016)  
 Bachelor's degree (1 major, 1 minor) Digital Humanities (2016)  
 Bachelor' degree (1 major) Biology (2017)  
 Bachelor's degree (1 major, 1 minor) Geography (2017)  
 Bachelor's degree (1 major, 1 minor) History of Medieval and Modern Art (2017)  
 Bachelor's degree (2 majors) History of Medieval and Modern Art (2017)  
 Bachelor's degree (2 majors) Comparative Indo-European Linguistics (2017)  
 Bachelor' degree (1 major) Aerospace Computer Science (2017)  
 Bachelor' degree (1 major) Modern China (2017)  
 Bachelor' degree (1 major) Biochemistry (2017)  
 Bachelor' degree (1 major) Chemistry (2017)  
 Bachelor's degree (1 major, 1 minor) Museology and material culture (2017)  
 Bachelor' degree (1 major) Economathematics (2017)  
 Bachelor' degree (1 major) Games Engineering (2017)  
 Bachelor' degree (1 major) Computer Science (2017)

Bachelor' degree (1 major) Media Communication (2018)  
 Bachelor' degree (1 major) Biomedicine (2018)  
 Bachelor' degree (1 major) Human-Computer Systems (2018)  
 Bachelor's degree (2 majors) Classical Archaeology (2018)  
 Bachelor's degree (1 major, 1 minor) Classical Archaeology (2018)  
 Bachelor's degree (1 major, 1 minor) Digital Humanities (2018)  
 Bachelor's degree (2 majors) Digital Humanities (2018)  
 Bachelor' degree (1 major) Computer Science (2019)  
 Bachelor's degree (1 major, 1 minor) English and American Studies (2019)  
 Bachelor's degree (1 major, 1 minor) Indology/South Asian Studies (2019)  
 Bachelor' degree (1 major) Indology/South Asian Studies (2019)  
 Bachelor' degree (1 major) Business Information Systems (2019)  
 Bachelor's degree (2 majors) Indology/South Asian Studies (2019)  
 Bachelor' degree (1 major) Business Management and Economics (2019)  
 Bachelor' degree (1 major) Modern China (2019)  
 Bachelor' degree (1 major) Food Chemistry (2019)  
 Bachelor' degree (1 major) Biomedicine (2020)  
 Bachelor' degree (1 major) Pedagogy (2020)  
 Bachelor' degree (1 major) Political and Social Studies (2020)  
 Bachelor' degree (1 major) Business Information Systems (2020)  
 Bachelor's degree (1 major, 1 minor) Political and Social Studies (2020)  
 Bachelor's degree (2 majors) European Ethnology (2020)  
 Bachelor's degree (2 majors) Political and Social Studies (2020)  
 Bachelor's degree (2 majors) Special Education (2020)  
 Bachelor' degree (1 major) Physics (2020)  
 Bachelor' degree (1 major) Nanostructure Technology (2020)  
 Bachelor' degree (1 major) Mathematical Physics (2020)  
 Bachelor' degree (1 major) Aerospace Computer Science (2020)  
 Bachelor's degree (1 major, 1 minor) Museology and material culture (2020)  
 Bachelor's degree (1 major, 1 minor) Pedagogy (2020)  
 Bachelor's degree (2 majors) Pedagogy (2020)  
 Bachelor' degree (1 major) Psychology (2020)  
 Bachelor' degree (1 major) Biology (2021)  
 Magister Theologiae Catholic Theology (2021)  
 Bachelor's degree (2 majors) History (2021)  
 Bachelor's degree (1 major, 1 minor) History (2021)  
 Bachelor' degree (1 major) Media Communication (2021)  
 Bachelor's degree (2 majors) Theological Studies (2021)  
 Bachelor's degree (1 major, 1 minor) Theological Studies (2021)  
 Bachelor's degree (1 major, 1 minor) English and American Studies (2021)  
 Bachelor's degree (2 majors) English and American Studies (2021)  
 Master's degree (1 major) China Business and Economics (2021)  
 Bachelor' degree (1 major) Functional Materials (2021)  
 Bachelor' degree (1 major) Computer Science und Sustainability (2021)  
 Bachelor's degree (2 majors) Comparative Indo-European Linguistics (2021)  
 Bachelor' degree (1 major) Food Chemistry (2021)  
 Bachelor' degree (1 major) Quantum Technology (2021)  
 Bachelor's degree (2 majors) Special Education (2021)  
 Bachelor' degree (1 major) Business Information Systems (2021)  
 Bachelor' degree (1 major) Economathematics (2021)  
 Bachelor' degree (1 major) Business Management and Economics (2021)  
 Bachelor's degree (1 major, 1 minor) Business Management and Economics (Minor, 2021)  
 Bachelor' degree (1 major) Human-Computer Systems (2022)

Bachelor's degree (1 major, 1 minor) Museology and material culture (2022)  
 Bachelor' degree (1 major) Biochemistry (2022)  
 Bachelor' degree (1 major) Biology (2022)  
 Bachelor' degree (1 major) Economathematics (2022)  
 Bachelor' degree (1 major) Mathematical Data Science (2022)  
 Bachelor' degree (1 major) Artificial Intelligence and Data Science (2022)  
 Bachelor's degree (2 majors) Ancient Near Eastern Archaeology (2022)  
 Bachelor's degree (1 major, 1 minor) Ancient World (2022)  
 Bachelor's degree (2 majors) Ancient Near Eastern Studies (2022)  
 Bachelor' degree (1 major) Franco-German studies: language, culture, digital competence (2022)  
 Bachelor' degree (1 major) Midwifery (2022)  
 Bachelor' degree (1 major) European Law (2023)  
 Bachelor's degree (1 major, 1 minor) English and American Studies (2023)  
 Bachelor's degree (2 majors) English and American Studies (2023)  
 Bachelor' degree (1 major) Artificial Intelligence and Data Science (2023)  
 Bachelor' degree (1 major) Mathematics (2023)  
 Bachelor' degree (1 major) Business Information Systems (2023)  
 Bachelor' degree (1 major) Economathematics (2023)  
 Bachelor's degree (1 major, 1 minor) History of Medieval and Modern Art (2023)  
 Bachelor's degree (2 majors) History of Medieval and Modern Art (2023)  
 Bachelor's degree (2 majors) Special Education (2023)  
 Bachelor' degree (1 major) Business Management and Economics (2023)  
 Bachelor's degree (1 major, 1 minor) Business Management and Economics (Minor, 2023)  
 Bachelor' degree (1 major) Geography (2023)  
 Bachelor's degree (2 majors) Geography (2023)  
 Bachelor's degree (1 major, 1 minor) Geography (2023)  
 Bachelor's degree (2 majors) European Ethnology/Empiric Cultural Studies (2023)  
 Bachelor' degree (1 major) Mathematical Physics (2024)  
 Bachelor's degree (2 majors) German Language and Literature (2024)  
 Bachelor's degree (1 major, 1 minor) German Language and Literature (2024)  
 Bachelor' degree (1 major) Music Education (2024)  
 Bachelor's degree (2 majors) Music Education (2024)  
 Bachelor's degree (1 major, 1 minor) Music Education (2024)  
 Bachelor' degree (1 major) Indology/South Asian Studies (2024)  
 Bachelor's degree (2 majors) Indology/South Asian Studies (2024)  
 Bachelor's degree (1 major, 1 minor) Indology/South Asian Studies (2024)  
 Bachelor's degree (1 major, 1 minor) Ancient World (2024)  
 Bachelor's degree (2 majors) Digital Humanities (2024)  
 Bachelor's degree (1 major, 1 minor) Digital Humanities (2024)  
 Bachelor' degree (1 major) Midwifery (2024)  
 Bachelor's degree (2 majors) Greek Philology (2024)  
 Bachelor's degree (2 majors) Latin Philology (2024)  
 Bachelor' degree (1 major) Business Information Systems (2024)  
 Bachelor' degree (1 major) Economathematics (2024)  
 Bachelor' degree (1 major) Business Management and Economics (2024)  
 Bachelor' degree (1 major) Artificial Intelligence and Data Science (2024)  
 Bachelor' degree (1 major) Human-Computer-Interaction (2024)