

# Course Structure per Semester for Business Informatics & AI Part-time (8 semesters)

| Module name                                                       | ECTS Points per Semester |           |           |           |           |           |           |           |
|-------------------------------------------------------------------|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                                                                   | 1                        | 2         | 3         | 4         | 5         | 6         | 7         | 8         |
| <b>Subject Area: Introduction to Self-organized Learning *</b>    |                          |           |           |           |           |           |           |           |
| Introduction to Self-organized Learning                           |                          |           |           |           |           |           |           |           |
| <b>Subject Area: Economic Fundamentals</b>                        |                          |           |           |           |           |           |           |           |
| Fundamental of Business Administration                            | 5                        |           |           |           |           |           |           |           |
| External and Internal Accounting                                  |                          | 5         |           |           |           |           |           |           |
| International Strategic Management                                |                          |           | 5         |           |           |           |           |           |
| <b>Subject Area: Informatics and Programming</b>                  |                          |           |           |           |           |           |           |           |
| Fundamentals of Business Informatics                              | 5                        |           |           |           |           |           |           |           |
| Programming I                                                     |                          |           | 5         |           |           |           |           |           |
| Software Engineering                                              |                          |           | 5         |           |           |           |           |           |
| Programming II                                                    |                          |           |           | 5         |           |           |           |           |
| IT Project Management                                             |                          |           |           |           |           |           |           | 8         |
| <b>Subject Area: Mathematics, Statistics and Research Methods</b> |                          |           |           |           |           |           |           |           |
| Business Mathematics                                              | 5                        |           |           |           |           |           |           |           |
| Statistics                                                        |                          | 5         |           |           |           |           |           |           |
| Scientific Work and AI                                            |                          | 5         |           |           |           |           |           |           |
| Advanced Mathematics                                              |                          | 5         |           |           |           |           |           |           |
| <b>Subject Area: Artificial Intelligence and Data Management</b>  |                          |           |           |           |           |           |           |           |
| Introduction to Artificial Intelligence                           | 5                        |           |           |           |           |           |           |           |
| Data Bases and Information Systems                                |                          |           | 5         |           |           |           |           |           |
| Machine Learning                                                  |                          |           |           |           | 5         |           |           |           |
| Big Data and Cloud Computing                                      |                          |           |           |           |           |           | 5         |           |
| <b>Subject Area: Legal-Normative Competences</b>                  |                          |           |           |           |           |           |           |           |
| Civil and Labor Law                                               |                          | 5         |           |           |           |           |           |           |
| Commercial and Corporate Law                                      |                          |           |           | 5         |           |           |           |           |
| Law for AI and Informatics                                        |                          |           |           |           |           | 5         |           |           |
| Ethics in AI and Society                                          |                          |           |           |           |           |           | 5         |           |
| <b>Subject Area: Interdisciplinary Competences</b>                |                          |           |           |           |           |           |           |           |
| Business English and Intercultural Communication                  |                          |           |           | 5         |           |           |           |           |
| Agile Project Management                                          |                          |           |           | 5         |           |           |           |           |
| <b>Subject Area: Specialization in Business Administration</b>    |                          |           |           |           |           |           |           |           |
| Introduction to ERP- and CRM-Systems                              |                          |           |           | 5         |           |           |           |           |
| Digital Marketing with AI                                         |                          |           |           |           |           | 5         |           |           |
| Change Management and Digital Transformation                      |                          |           |           |           |           |           | 5         |           |
| Business Simulation                                               |                          |           |           |           |           |           | 5         |           |
| Innovation Management and Entrepreneurship                        |                          |           |           |           |           |           |           | 5         |
| <b>Compulsory Elective Concentration</b>                          |                          |           |           |           |           |           |           |           |
| Compulsory Elective Concentration I                               |                          |           |           |           | 15        |           |           |           |
| Compulsory Elective Concentration II                              |                          |           |           |           | 15        |           |           |           |
| <b>Subject Area: Bachelor Examination</b>                         |                          |           |           |           |           |           |           |           |
| Bachelor's Thesis                                                 |                          |           |           |           |           |           |           | 12        |
| <b>Total ECTS Points per Semester</b>                             | <b>20</b>                | <b>25</b> | <b>20</b> | <b>25</b> | <b>20</b> | <b>25</b> | <b>20</b> | <b>25</b> |
| <b>Total ECTS Points</b>                                          | <b>180</b>               |           |           |           |           |           |           |           |

\* The introductory project on self-organized learning is an optional, extracurricular module aimed at first year students before the start of the lecture period, which provides knowledge about the online systems to be used in the study program as well as methods for self-organization.

Note: If you choose the part-time study option, you have the **opportunity to continue working** without restriction alongside your studies, **while still having enough time to study**.

# Main focus areas of the degree program Business Informatics & AI

These can be chosen as the 1st and 2nd specializations:

| Module name                            | ECTS Points per Semester |   |   |   |   |   |   |   |
|----------------------------------------|--------------------------|---|---|---|---|---|---|---|
|                                        | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| <b>IT Security Management</b>          |                          |   |   |   |   |   |   |   |
| Cyber Security                         |                          |   |   |   | 5 |   |   |   |
| Security Management and Compliance     |                          |   |   |   | 5 |   |   |   |
| Network Security                       |                          |   |   |   | 5 |   |   |   |
| <b>AI and Robotics</b>                 |                          |   |   |   |   |   |   |   |
| Robotics and Autonomous Systems        |                          |   |   |   | 5 |   |   |   |
| Natural Language Processing (NLP)      |                          |   |   |   | 5 |   |   |   |
| Human-Robot-Interaction                |                          |   |   |   | 5 |   |   |   |
| <b>Digital Transformation</b>          |                          |   |   |   |   |   |   |   |
| Digital Strategies and Business Models |                          |   |   |   | 5 |   |   |   |
| IT Strategy and Governance             |                          |   |   |   | 5 |   |   |   |
| New Work                               |                          |   |   |   | 5 |   |   |   |

## Possible 2nd specialization from the degree program International Business Administration

The second specialization can alternatively be chosen from the following options:

| Module name                                                   | ECTS Points per Semester |   |   |   |   |   |   |   |
|---------------------------------------------------------------|--------------------------|---|---|---|---|---|---|---|
|                                                               | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| <b>International Marketing Management</b>                     |                          |   |   |   |   |   |   |   |
| Strategic Planning in International Marketing Management      |                          |   |   |   | 5 |   |   |   |
| Instruments of International Marketing Management             |                          |   |   |   | 5 |   |   |   |
| Research, Analysis and Controlling in International Marketing |                          |   |   |   | 5 |   |   |   |
| <b>International Management</b>                               |                          |   |   |   |   |   |   |   |
| Intercultural Psychology                                      |                          |   |   |   | 5 |   |   |   |
| International Corporate Strategy                              |                          |   |   |   | 5 |   |   |   |
| International Economic Relations                              |                          |   |   |   | 5 |   |   |   |
| <b>Sustainable Management</b>                                 |                          |   |   |   |   |   |   |   |
| International Management of Non-Profit Organizations          |                          |   |   |   | 5 |   |   |   |
| Sustainable Business Processes, Organization and Reporting    |                          |   |   |   | 5 |   |   |   |
| Sustainable Digital Future Work and Life                      |                          |   |   |   | 5 |   |   |   |