



UNIVERSITY
OF LJUBLJANA

SEB

School of Economics
and Business

Presentation document

Master in Business Informatics

Academic year 2025/2026



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INFORMATION ABOUT THE STUDY PROGRAMME BUSINESS INFORMATICS

General information

| | |
|----------------------------|--|
| Programme | Business Informatics |
| Programme characteristics | |
| Level of the qualification | Second cycle - Master's study programme SQF level: 8 EQF level: 7 Q F-EHEA level: Second cycle |
| Name of qualification | Diploma druge stopnje / Master's degree Second cycle Master's study programme in Business Informatics |
| Field(s) of study: | KLASIUS-SRV: Master's education (second Bologna cycle)/Master (second Bologna cycle) (17003) ISCED: Business and administration (34) KLASIUS-P-16: Management and administration (0413) Frascati: Social Sciences (5) |
| Duration of study | 2 years (4 semesters) |
| Scope of ECTS | 120 ECTS |
| UL member | School of Economics and Business, Kardeljeva ploščad 17, 1000 Ljubljana, Slovenija |

Study programme learning outcomes

The key objectives and competencies of the Business Informatics programme are as follows:

- Key objective 1: A graduate becomes familiar with the meaning and role of business informatics in generating value added for an organisation.
 - Key sub-objective 1.1: A graduate understands that the informatisation of business operations should strive to achieve better business performance and effectiveness.
 - Key sub-objective 1.2: A graduate understands that the informatisation of business operations should strive to improve a company's competitiveness.
- Key objective 2: A graduate acquires practically applicable knowledge of business informatics and knows how to apply it when resolving problems in the fields of digitalisation, redesigning and informatisation of operations, planning, informatics development and management as well as using informatics in business decision-making.
 - Key sub-objective 2.1: A graduate knows how to apply relevant methods and techniques to solve practical problems related to business informatics.
 - Key sub-objective 2.2: A graduate is capable of critically assessing a research problem based on theoretical premises, many sources and relevant primary and/or secondary data.
- Key objective 3: A graduate knows how to apply appropriate theories and concepts when making managerial decisions.
 - Key sub-objective 3.1: A graduate is familiar with advanced theories and concepts in the field of management.
- Key objective 4: A graduate is able to critically analyse and use the concepts of corporate sustainability and corporate social responsibility.



- Key sub-objective 4.1: A graduate is able to critically analyse corporate social responsibility and corporate sustainability dilemmas as well as use such analysis when making strategic decisions.
- Key objective 5: A graduate is capable of finding contemporary literature, applying identification techniques and methods, modelling and redesigning business processes and business informatisation as well as actively cooperating with all management levels with the aim to improve the organisation.
 - Key sub-objective 5.1: A graduate is capable of finding contemporary literature, using planning techniques and methods as well as developing information systems and business process models.
- Key objective 6: A graduate knows how to communicate effectively.
 - Key sub-objective 6.1: A graduate possesses effective written communication skills.
 - Key sub-objective 6.2: A graduate possesses effective oral communication skills.
- Key objective 7: A graduate develops good teamworking skills.
 - Key sub-objective 7.1: A graduate is able to effectively cooperate and work in a team.

Based on the substantive concept and implementation of the graduate study programme, a graduate *acquires the following **general competencies***:

- ability to think logically and in abstract terms, to analyse, synthesise and evaluate,
- ability to identify and resolve problems as well as formulate decisions,
- ability to think critically and comprehensively,
- ability to make independent searches, interpret and use new sources of knowledge in expert and scientific fields,
- ability to contextualise and autonomously upgrade information,
- ability to expertly and effectively use information-communication technologies (ICT) when searching, selecting, processing, presenting and forwarding data and information,
- ability to express in writing and orally their knowledge in an expert field as well as to critically evaluate it,
- good teamworking skills.

Subject-specific competencies gained in the course of the study programme:

- ability to comprehend the meaning and role of business informatics in generating value added for an organisation,
- ability to understand the effect of IT on business performance and effectiveness as well as on a company achieving a competitive edge,
- ability to apply the gained knowledge in resolving problems related to digitalisation, redesigning and informatisation of business operations, planning, informatics development and management as well as the use of informatics in business decision-making,
- ability to apply relevant methods and techniques to resolve practical problems,
- ability to use appropriate theories and concepts in managerial decision-making,
- ability to critically analyse corporate social responsibility and corporate sustainability dilemmas as well as use such analysis when making strategic decisions,
- ability to find contemporary literature, use identification techniques and methods, model and redesign business processes and business informatisation as well as actively cooperate with all management levels with the aim to improve the organisation,

- ability to critically assess a research problem based on theoretical premises, many sources and relevant primary and/or secondary data.

Admissions Criteria

Anyone that has completed the following is eligible to enrol in the first year of the Master's programme Business Informatics:

- Graduates of first-level programmes in relevant study programmes with at least 180 ECTS, or those that have completed the pre-Bologna programme of study for qualification in relevant study programmes;
- Graduates of equivalent courses listed in the previous paragraph in unrelated areas of study and must complete additional academic requirements of 12 ECTS: Microeconomics 1 (6 ECTS) and Introduction to Business (6 ECTS).

In cases where available spots are limited:

In cases where the number of available spots is limited, candidates are ranked based on their undergraduate GPA.

Enrolment by transition criteria:

Candidate, who passes from one programme to the other, must meet the enrolment requirements of the other. Commission for Academic Affairs of the UL SEB defines possible additional study obligations if the study content of previous studies does not cover the content of the chosen master's study programme.

Title conferred in the original language: magister poslovnih ved/ magistrica poslovnih ved

Title conferred in the original language (abbreviated): mag. posl. ved

Title conferred in English language (and title abbreviated): Master of Science (M.Sc.)

STUDY PROGRAMME CURRICULUM BUSINESS INFORMATICS

Year 1

| | University Course Code | Course title | Lecturers | Contact hours | | | | | Individual student work | Total hours | ECTS | Semesters | Elective |
|----|------------------------|--|---|---------------|---------|-----------|--------------------|----------------------|-------------------------|-------------|------|--------------|----------|
| | | | | Lectures | Seminar | Tutorials | Clinical tutorials | Other forms of study | | | | | |
| 1. | 0090738 | Organization and management | MATEJ LAHOVNIK, VLADO DIMOVSKI | 45 | 45 | 0 | | 15 | 105 | 210 | 7 | 1st semester | no |
| 2. | 0090735 | Research methods and techniques | DENIS MARINŠEK | 52 | 18 | 21 | | 15 | 104 | 210 | 7 | 1st semester | no |
| 3. | 0090899 | Business Process Management | MOJCA INDIHAR ŠTEMBERGER | 30 | 15 | 30 | | 15 | 120 | 210 | 7 | 1st semester | no |
| 4. | 0090737 | Accounting information for decision-making | BARBARA MÖREC, MARKO HOČEVAR, METKA TEKAVČIČ, SIMON ČADEŽ | 45 | 0 | 30 | | 15 | 104 | 210 | 7 | 1st semester | no |
| 5. | 0090740 | Strategic Management 2 | ADRIANA REJC BUHOVAC, MATEJ LAHOVNIK, TOMAŽ ČATER | 48 | 14 | 28 | | 15 | 105 | 210 | 7 | 2nd semester | no |
| 6. | 0090900 | Digital business | ALEŠ GROZNIK, MIRO GRADIŠAR | 45 | 24 | 6 | | 15 | 120 | 210 | 7 | 2nd semester | no |
| 7. | 0090901 | Business intelligence and analytics | JURIJ JAKLIČ | 30 | 30 | 15 | | 15 | 120 | 210 | 7 | 2nd semester | no |
| 8. | 0096978 | Elective course | | 45 | 45 | 0 | | 27 | 93 | 210 | 7 | 2nd semester | yes |
| 9. | 0093709 | Business skills development 1 | MATEJ ČERNE | 0 | 10 | 0 | | 20 | 90 | 120 | 4 | 2nd semester | yes |
| | | Total | | 340 | 201 | 130 | 0 | 152 | 977 | 1800 | 60 | | |

Year 2

| | University Course Code | Course title | Lecturers | Contact hours | | | | | Individual student work | Total hours | ECTS | Semesters | Elective |
|-------|------------------------|--------------------------------|---|---------------|---------|-----------|--------------------|----------------------|-------------------------|-------------|------|--------------|----------|
| | | | | Lectures | Seminar | Tutorials | Clinical tutorials | Other forms of study | | | | | |
| 1. | 0090911 | Information systems management | MIRO GRADIŠAR, MOJCA INDIHAR ŠTEMBERGER, TOMAŽ TURK | 45 | 30 | 0 | | 15 | 120 | 210 | 7 | 1st semester | no |
| 2. | 0096979 | Specialised programme course 1 | | 42 | 0 | 0 | | 15 | 153 | 210 | 7 | 1st semester | yes |
| 3. | 0096980 | Specialised programme course 2 | | 30 | 45 | 15 | | 15 | 105 | 210 | 7 | 1st semester | yes |
| 4. | 0090547 | Master's thesis disposition | | 20 | 7 | 0 | | 15 | 168 | 210 | 7 | 1st semester | no |
| 5. | 0096981 | Elective course | | 30 | 0 | 0 | | 27 | 153 | 210 | 7 | 2nd semester | yes |
| 6. | 0093735 | Business skills development 2 | MATEJ ČERNE | 0 | 10 | 0 | | 20 | 90 | 120 | 4 | 2nd semester | yes |
| 7. | 0090548 | Master's thesis | | 0 | 10 | 0 | | 15 | 605 | 630 | 21 | 2nd semester | no |
| Total | | | | 167 | 102 | 15 | 0 | 122 | 1394 | 1800 | 60 | | |

Year 2, Specialised programme courses

| | University Course Code | Course title | Lecturers | Contact hours | | | | | Individual student work | Total hours | ECTS | Semesters | Elective |
|----|------------------------|---|---------------------------|---------------|---------|-----------|--------------------|----------------------|-------------------------|-------------|------|--------------|----------|
| | | | | Lectures | Seminar | Tutorials | Clinical tutorials | Other forms of study | | | | | |
| 1. | 0094140 | Data Mining | JURIJ JAKLIČ | 21 | 21 | 0 | | 15 | 153 | 210 | 7 | 1st semester | yes |
| 2. | 0094139 | Information systems analysis and design | LUKA TOMAT, MIRO GRADIŠAR | 42 | 0 | 0 | | 15 | 153 | 210 | 7 | 1st semester | yes |
| 3. | 0094141 | Developing software solutions | TOMAŽ TURK | 42 | 0 | 0 | | 15 | 153 | 210 | 7 | 1st semester | yes |

| | University Course Code | Course title | Lecturers | Contact hours | | | | | Individual student work | Total hours | ECTS | Semesters | Elective |
|----|------------------------|--------------------|---------------------------|---------------|---------|-----------|--------------------|----------------------|-------------------------|-------------|------|--------------|----------|
| | | | | Lectures | Seminar | Tutorials | Clinical tutorials | Other forms of study | | | | | |
| 4. | 0643179 | Digital innovation | MATEJ ČERNE, PETER TRKMAN | 42 | 0 | 0 | | 15 | 153 | 210 | 7 | 1st semester | yes |
| | | Total | | 147 | 21 | 0 | 0 | 60 | 612 | 840 | 28 | | |

Specialised programme course 1 student selects: Data Mining or Information systems analysis or design.

Specialised programme course 2 student selects: Developing software solutions or Digital innovation.

Year 1, Year 2, Elective course

| | University Course Code | Course title | Lecturers | Contact hours | | | | | Individual student work | Total hours | ECTS | Semesters | Elective |
|----|------------------------|--|---|---------------|---------|-----------|--------------------|----------------------|-------------------------|-------------|------|--------------|----------|
| | | | | Lectures | Seminar | Tutorials | Clinical tutorials | Other forms of study | | | | | |
| 1. | 0090908 | Advanced Programming | TOMAŽ TURK | 30 | 0 | 0 | | 45 | 135 | 210 | 7 | 2nd semester | yes |
| 2. | 0090906 | Artificial Intelligence with Deep Learning | DAMJANA KOKOL BUKOVŠEK, SIMONA KORENJAK ČERNE | 18 | 12 | 0 | | 27 | 153 | 210 | 7 | 2nd semester | yes |
| 3. | 0090909 | Business Simulations and Modelling | MOJCA INDIHAR ŠTEMBERGER, TOMAŽ TURK | 30 | 0 | 0 | | 45 | 135 | 210 | 7 | 2nd semester | yes |
| 4. | 0090904 | Electronic Communications | TOMAŽ TURK | 30 | 0 | 0 | | 45 | 135 | 210 | 7 | 2nd semester | yes |
| 5. | 0094138 | IT Project Management | MOJCA INDIHAR ŠTEMBERGER | 30 | 0 | 0 | | 45 | 135 | 210 | 7 | 2nd semester | yes |
| 6. | 0090907 | Modern Telecommunication Services and Technologies | TOMAŽ TURK | 30 | 0 | 0 | | 45 | 135 | 210 | 7 | 2nd semester | yes |
| 7. | 0090905 | Theory of Algorithms | DAMJANA KOKOL BUKOVŠEK | 30 | 0 | 0 | | 45 | 135 | 210 | 7 | 2nd semester | yes |
| | | Total | | 198 | 12 | 0 | 0 | 297 | 963 | 1470 | 49 | | |

Students may choose any elective course within the UL SEB or any other UL higher education institution which is properly accredited and has at least 7 ECTS and it is a course within second cycle programme.