**PROGRAMME OF STUDY**

**PROFESSIONAL STUDY OF INFORMATICS**

* **LIST OF COURSES**

**NEW PROGRAMME - 1st YEAR OF STUDY**

1st year of study - Semester I (Winter Semester)

|  |  |  |
| --- | --- | --- |
| **Course unit no.** | **Title of the course unit** | **ECTS**  **credits** |
|
| 1 | Business communication and cooperation | 4 |
| 2 | Procedural and modular programming | 6 |
| 3 | Business processes in organizations | 4 |
| 4 | English for computer scientists | 4 |
| 5 | Introduction to information and communication technologies | 6 |
| 6 | Mathematics for computer scientists | 6 |
|  | **In total per semester** | **30** |

1st year of study - Semester II (Summer Semester)

|  |  |  |
| --- | --- | --- |
| **Course unit no.** | **Title of the course unit** | **ECTS**  **credits** |
|
| 7 | Object-Oriented Programming | 6 |
| 8 | User requirements specification and process modeling | 5 |
| 9 | Computer Graphics | 5 |
| 10 | Data Modeling | 5 |
| 11 | Operating systems | 5 |
| 12 | Business idea development | 4 |
|  | **In total per semester** | **30** |

2nd year of study – Semester III (Winter Semester)

|  |  |  |
| --- | --- | --- |
| **Course unit no.** | **Title of the course unit** | **ECTS**  **credits** |
|
| 14 | Basics of Management | 4 |
| 15 | Operating Systems | 6 |
| 16 | Data and Process Modeling | 6 |
| 17 | Programming\* | 6 |
| 18 | Information Systems Security | 5 |
| 25 | English Language II | 3 |
|  | **In total per semester** | **30** |

*\*Held only in Croatian*

2nd year of study – Semester IV (Summer Semester)

|  |  |  |
| --- | --- | --- |
| **Course unit no.** | **Title of the course unit** | **ECTS**  **credits** |
|
| 19 | Information Systems Development | 6 |
| 20 | Database Systems | 5 |
| 21 | Object-oriented Technologies I | 6 |
| 22 | Computer Networks | 5 |
| 23 | English Language III | 3 |
|  | *Elective Courses* | *5* |
| 33 | *Operations Research* |  |
| 35 | *Multimedia Systems* |  |
| 36 | *Quality and Safety Management in Telematics* |  |
|  | **In total per semester** | **30** |

3rd year of study – Semester V (Winter Semester)

|  |  |  |
| --- | --- | --- |
| **Course unit no.** | **Title of the course unit** | **ECTS**  **credits** |
|
| 26 | Economics of Information Systems | 4 |
| 27 | Object-oriented Technologies II | 6 |
| 28 | Development of Web Applications | 5 |
| 29 | Programming – practicum | 5 |
|  | *Elective Course* | *5* |
| 30 | *Accounting Information System\** |  |
| 31 | *Information Systems of Production* |  |
| 32 | *Information System for Management and Decision-making support* |  |
|  | **In total per semester** | **30** |

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3rd year of study – Semester VI

|  |  |  |
| --- | --- | --- |
| **Course unit no.** | **Title of the course unit** | **ECTS**  **credits** |
|
| 33 | Semester Internship | 13 |
| 34 | Bachelor Thesis | 17 |
|  | **In total per semester** | **30** |