**UNIVERSITY OF APPLIED SCIENCES RIJEKA**

INTERNATIONAL RELATIONS OFFICE

Trpimirova 2, 51000 Rijeka

COURSE CATALOGUE – **INFORMATION AND COMMUNICATION**

**TECHNOLOGIES**

BACHELOR’S DEGREE

**Winter Semester**

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| --- | --- | --- | --- |
| No | *Course Title* | *Course Holder* | *ECTS credits* |
| 1 | Business Communication and Cooperation | Davor Širola  Rafajac Ozren | 4 |
| 2 | Procedural and Modular Programming | Šuman Sabrina  Šimac Ivan | 6 |
| 3 | Business Processes in Organisations | Krelja Kurelović Elena | 4 |
| 4 | English language for IT professionals | Šepić Tatjana | 4 |
| 5 | Introduction to ICT | Panev Ida  Polonijo Bruno | 6 |
| 6 | Mathematics for IT professionals | Volarić Nižić Katarina | 6 |
| 7 | Introduction to Databases | Panev Ida | 5 |
| 8 | Introduction to Computer Networks | Jakupović Alen  Polonijo Bruno | 5 |
| 9 | Development of Application programming interface | Šimac Ivan | 6 |
| 10 | Multimedia Systems | Rauker Koch Marina | 5 |
| 11 | English language for IT designers | Šepić Tatjana | 4 |
| 12 | Advanced Topics in Operating Systems | Vukelić Bernard  Polonijo Bruno  Pešut Matea | 5 |
| 13 | Basics of procedural Programming | Andrijašević Andrea | 6 |
| 14 | Introduction to IoT systems | Jakupović Alen | 5 |
| 15 | Development of Mobile Applications | Šimac Ivan  Jakupović Alen | 5 |
| 16 | IT project management | Jakupović Alen  Golob Martin | 4 |
| 17 | Development of interactive Web Applications | Davidović Vlatka  Jakupović Alen | 6 |
| 18 | Basics of AI | Šuman Sabrina  Šimac Ivan | 5 |
| 19 | Business analytics and reporting | Šuman Sabrina | 5 |
| 20 | 3D modelling | Jakupović Alen | 5 |
| 21 | Advanced topics in information and communication systems security | Vukelić Bernard  Polonijo Bruno  Pešut Matea | 5 |

**Summer semester**

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| --- | --- | --- | --- |
| No | *Course Title* | *Course Holder* | *ECTS credits* |
| 1 | Object-oriented programming | Tomljanović Jasminka | 6 |
| 2 | Specification of user requirements and process modelling | Šuman Sabrina  Pešut Matea | 5 |
| 3 | Computer graphics | Šuman Sabrina | 5 |
| 4 | Data Modelling | Panev Ida | 5 |
| 5 | Operating Systems | Vukelić Bernard  Polonijo Bruno | 5 |
| 6 | Development of Business idea | Rafajac Ozren  Širola Davor | 4 |
| 7 | Entrepreneurship for IT professionals | Širola Davor | 4 |
|  | Database Systems | Kaluža Marin  Polonijo Bruno | 5 |
| 8 | Development of Desktop Application | Davidović Vlatka | 6 |
| 9 | Safety of ICT systems | Vukelić Bernard  Polonijo Bruno | 5 |
| 10 | Project Practicum | Jakupović Alen  Šuman Sabrina  Šimac Ivan | 5 |
| 11 | System Infrastructure for Software development | Davidović Vlatka  Kaluža Marin | 5 |
| 12 | Software engineering | Kaluža Marin | 5 |
| 13 | Digital Marketing | Rafajac Ozren | 4 |

MASTER’S DEGREE

**Winter Semester**

|  |  |  |  |
| --- | --- | --- | --- |
| No | *Course Title* | *Course Holder* | *ECTS credits* |
| 1 | Modelling and Simulations | Rauker Koch Marina | 6 |
| 2 | Database Management | Kaluža Marin | 4 |
| 3 | Information Systems development tools | Šimac Ivan | 6 |
| 4 | Communication Technologies | Šupica Žaklina | 6 |
| 5 | IS Quality Management | Šuman Sabrina | 4 |
| 6 | Distributed Systems | Kaluža Marin | 4 |
| 7 | Modular Software Engineering | Jakupović Alen | 4 |
| 8 | Security of Web Applications | Vukelić Bernard | 4 |
| 9 | Methodology of Professional and Research Work | Grakalić Plenković Sanja | 6 |
| 10 | Office Automation | Vukelić Bernard | 6 |
| 11 | Decision Support Information System | Šuman Sabrina  Polonijo Bruno | 6 |
| 12 | UX/UI Design | Šupica Žaklina | 6 |
| 13 | Information Systems Planning | Jakupović Alen | 4 |
| 14 | Internet Technologies and E-Business | Tomljanović Ljerka | 4 |

**Summer semester**

|  |  |  |  |
| --- | --- | --- | --- |
| No | *Course Title* | *Course Holder* | *ECTS credits* |
| 1 | Software Engineering | Kaluža Marin | 4 |
| 2 | Development of Object-oriented Applications | Davidović Vlatka  Šimac Ivan | 6 |
| 3 | Development of Multimedia Systems | Rauker Koch Marina | 6 |
| 4 | Business and Process Systems Interface | Rauker Koch Marina  Šupica Žaklina | 4 |