



University of Rijeka
FACULTY OF ENGINEERING



Postgraduate university doctoral study in the area of Engineering sciences, in the fields of Mechanical engineering, Naval architecture, Fundamental engineering sciences and Interdisciplinary engineering sciences

Postgraduate University Doctoral Study in the area of Engineering Sciences, in the field of Electrical Engineering

Postgraduate Doctoral Study Programme in the Area of Engineering Sciences, in the Field of Computer Science

Lecturers

2021/2022.



Common courses

| LIST OF MODULES/COURSES | | | | | | | |
|-------------------------|--|--|----|---|---|------|--------|
| Year of study: 1. | | | | | | | |
| Semester: 1. | | | | | | | |
| MODULE | COURSE | COURSE INSTRUCTOR | L | E | S | ECTS | STATUS |
| All modules | Methodology of the scientific-research work | Prof. M. Čanađija, D. Sc. | 15 | 0 | 0 | 6 | C |
| | Mathematical modeling and numerical methods | Prof. S. Maćešić, D. Sc. Prof. N. Črnjarić-Žic, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Optimization methods | Prof. S. Maćešić, D. Sc. Assist. prof. S. Ivić, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Statistical methods and stochastic processes | Prof. N. Črnjarić-Žic, D. Sc. Assist. prof. I. Dražić, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Freely selected course | - | 15 | 0 | 0 | 6 | E |



Postgraduate university doctoral study in the area of Engineering sciences, in the fields of Mechanical engineering, Naval architecture, Fundamental engineering sciences and Interdisciplinary engineering sciences

Module 1: Production engineering

| LIST OF MODULES/COURSES | | | | | | | | |
|-------------------------|--|--|----|---|---|------|--------|--|
| Year of study: 1 | | | | | | | | |
| Semester: 1 | | | | | | | | |
| MODULE | COURSE | COURSE INSTRUCTOR | L | E | S | ECTS | STATUS | |
| Production engineering | CAM, CAP, CAD/NC-CIM | Prof. M. Perinić, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Formability and modern forming technology | Prof. Z. Jurković, D. Sc. Assoc. Prof. T. Pepelnjak, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Intelligent manufacturing systems | Prof. Z. Car, D. Sc. Prof. K. Ohkura, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Simulation methods in production | Prof. Z. Jurković, D. Sc. Prof. M. Brezočnik, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Intelligent robots and manipulators | Prof. Z. Car, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Selected Chapters on Mechanical Behaviour and Fatigue of Materials | Prof. R. Basan, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Damage and fracture mechanics | Prof. D. Rubeša, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Corrosion and corrosion protection | Assoc. Prof. D. Iljkić Prof. L. Vrsalović, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Sustainable manufacturing | Prof. G. Cukor, D. Sc. | 15 | 0 | 0 | 6 | E | |

| LIST OF MODULES/COURSES | | | | | | | | |
|-------------------------|---|---|----|---|---|------|--------|--|
| Year of study: 1 | | | | | | | | |
| Semester: 2 | | | | | | | | |
| MODULE | COURSE | COURSE INSTRUCTOR | L | E | S | ECTS | STATUS | |
| Production engineering | Selected chapters on flexible manufacturing systems | | 15 | 0 | 0 | 6 | E | |
| | Selected Chapters on Conventional Machining Processes | Academician E. Kuljanić, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Selected Chapters on Non-Conventional Machining Processes | Prof. G. Cukor, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Processes plans optimization | Prof. M. Perinić, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Production Planning and Control | Assist. Prof. S. Doboviček, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Development and operations management | Assist. Prof. S. Žic, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Heat treatment and surface engineering | Assoc. Prof. D. Iljkić, D. Sc. Assoc. Prof. W. Sitek, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Materials testing | Assist. Prof. S. Smokvina Hanza, D. Sc. Assist. Prof. M. Fonović, D. Sc. | 15 | 0 | 0 | 6 | E | |



Module 2: Thermal power engineering

| LIST OF MODULES/COURSES | | | | | | | | |
|---------------------------|--|--|----|---|---|------|--------|--|
| Year of study: 1 | | | | | | | | |
| Semester: 1 | | | | | | | | |
| MODULE | COURSE | COURSE INSTRUCTOR | L | E | S | ECTS | STATUS | |
| Thermal power engineering | Selected chapters on thermal sciences | Prof. Kristian Lenić, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Numerical modelling of heat transfer | Prof. Anica Trp, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Experimental methods in heating and energy engineering | Prof. Kristian Lenić, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Selected chapters on refrigeration | Prof. Branimir Pavković, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Selected chapters on heat exchangers | Prof. Anica Trp, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Selected chapters on heating and air conditioning | Assoc. Prof. Igor Wolf, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Implementation of energy efficiency measures | Assist. Prof. Paolo Blecich, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Selected chapters on internal combustion engines | Assoc. Prof. Tomislav Senčić, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Modern engine design | Assoc. Prof. Tomislav Senčić, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Durability and reliability of thermal energy systems | Prof. emeritus Špiro Milošević, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Selected chapters on marine energy systems | Prof. Tomislav Mrakovčić, D. Sc. | 15 | 0 | 0 | 6 | E | |

| LIST OF MODULES/COURSES | | | | | | | | |
|---------------------------|---|---------------------------------------|----|---|---|------|--------|--|
| Year of study: 1 | | | | | | | | |
| Semester: 2 | | | | | | | | |
| MODULE | COURSE | COURSE INSTRUCTOR | L | E | S | ECTS | STATUS | |
| Thermal power engineering | Selected chapters on marine machinery systems | Prof. Tomislav Mrakovčić, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Selected chapters on thermal turbomachines | Assist. Prof. Vedran Mrzljak, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Thermodynamic analysis of processes | Assist. Prof. Igor Bonefačić, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Numerical modelling in refrigeration | Assist. Prof. Boris Delač, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Selected chapters on renewable energy sources | Assoc. Prof. Igor Wolf, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Numerical modelling of combustion processes | Assist. Prof. Ozren Bukovac, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Optimization of energy systems | Assist. Prof. Vladimir Glažar, D. Sc. | 15 | 0 | 0 | 6 | E | |



Module 3: Computational mechanics

| LIST OF MODULES/COURSES | | | | | | | |
|-------------------------|--|--|----|---|---|------|--------|
| Year of study: 1 | | | | | | | |
| Semester: 1 | | | | | | | |
| MODULE | COURSE | COURSE INSTRUCTOR | L | E | S | ECTS | STATUS |
| Computational mechanics | Elastomechanics and plastomechanics | Prof. emeritus J. Brnić, D.Sc. | 15 | 0 | 0 | 6 | E |
| | Nonlinear structural analysis | Prof. G. Turkalj, D.Sc. Prof. D. Lanc, D.Sc. | 15 | 0 | 0 | 6 | E |
| | Selected chapters on thermomechanics | Prof. M. Čanadija, D.Sc. | 15 | 0 | 0 | 6 | E |
| | Vibrations and durability of machines and structures | Prof. R. Žigulić, D.Sc. Prof. S. Braut, D.Sc. | 15 | 0 | 0 | 6 | E |
| | Protection from noise and vibrations | Prof. S. Braut, D.Sc. | 15 | 0 | 0 | 6 | E |
| | Free surface flow | Assoc. Prof. S. Družeta, D.Sc. | 15 | 0 | 0 | 6 | E |
| | Turbulent flow | Prof. Z. Čarija, D.Sc. | 15 | 0 | 0 | 6 | E |

| LIST OF MODULES/COURSES | | | | | | | |
|-------------------------|---|---|----|---|---|------|--------|
| Year of study: 1 | | | | | | | |
| Semester: 2 | | | | | | | |
| MODULE | COURSE | COURSE INSTRUCTOR | L | E | S | ECTS | STATUS |
| Computational mechanics | Mechanics of composite structures | Prof. D. Lanc, D.Sc. Assist. Prof. N. Fantuzzi, D.Sc. | 15 | 0 | 0 | 6 | E |
| | Nanomechanics | Prof. M. Čanadija, D.Sc. Assoc. Prof. M. Brčić, D.Sc. | 15 | 0 | 0 | 6 | E |
| | Dynamics of nonlinear mechanical systems | Prof. R. Žigulić, D.Sc. Assist. Prof. G. Štimac, D.Sc. | 15 | 0 | 0 | 6 | E |
| | Structural integrity | Assoc. Prof. M. Brčić, D.Sc. Assist. Prof. S. Krščanski, D.Sc. | 15 | 0 | 0 | 6 | E |
| | Computational structural stability analysis | Prof. G. Turkalj, D.Sc. Prof. S. Kravanja, D.Sc. | 15 | 0 | 0 | 6 | E |
| | Computational fluid mechanics | Prof. L. Kranjčević, D.Sc. | 15 | 0 | 0 | 6 | E |
| | Turbomachinery hydrodynamics | Prof. Z. Čarija, D.Sc. | 15 | 0 | 0 | 6 | E |
| | Unsteady pipe flow modelling | Assoc. Prof. J. Škifić, D.Sc. | 15 | 0 | 0 | 6 | E |



Module 4: Design and building of ships

| LIST OF MODULES/COURSES | | | | | | | |
|------------------------------|--|---|----|---|---|------|--------|
| Year of study: 1. | | | | | | | |
| Semester: 1. | | | | | | | |
| MODULE | COURSE | COURSE INSTRUCTOR | L | E | S | ECTS | STATUS |
| Design and building of ships | Outfitting of marine vessels and offshore structures | Assoc. Prof. T. Matulja, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Ship's design methodology | Assoc. Prof. M. Hadjina, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Seakeeping and maneuverability | Prof. J. Prpić-Oršić, D. Sc. Assist. Prof. M. Valčić, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Selected chapters on ship resistance | Prof. R. Dejhalla, D.Sc. Prof. M. Perić, D.Sc. | 15 | 0 | 0 | 6 | E |

| LIST OF MODULES/COURSES | | | | | | | |
|------------------------------|---|---------------------------------|----|---|---|------|--------|
| Year of study: 1. | | | | | | | |
| Semester: 2. | | | | | | | |
| MODULE | COURSE | COURSE INSTRUCTOR | L | E | S | ECTS | STATUS |
| Design and building of ships | Selected chapters on shipbuilding methodology | Assoc. Prof. M. Hadjina, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Selected chapters on ship propulsion | Prof. R. Dejhalla, D.Sc. | 15 | 0 | 0 | 6 | E |
| | Selected topics in marine dynamics | Prof. Prpić-Oršić, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Selected chapters on ship's design | Assist. Prof. A. Turk, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Selected chapters on marine structural design | Prof. A. Zamarin, D. Sc. | 15 | 0 | 0 | 6 | E |



Module 5: Mechanical engineering design

| LIST OF MODULES/COURSES | | | | | | | |
|-------------------------------|---|--|----|---|---|------|--------|
| Year of study: 1. | | | | | | | |
| Semester: 1. | | | | | | | |
| MODULE | COURSE | COURSE INSTRUCTOR | L | E | S | ECTS | STATUS |
| Mechanical engineering design | Special mechanical transmissions | Prof. N. Lovrin, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Principles of High- and Ultra-high Precision Devices | Prof. Saša Zelenika, D. Sc. Prof. Eugenio Brusa, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Damage modelling and load carrying capacity analysis of elements and components | Prof. Marina Franulović, D. Sc. Prof. Robert Kunc, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Selected Chapters on Design Science | Prof. Robert Basan, D. Sc. Prof. Tea Marohnić, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Design of advanced engineering constructions made of innovative materials | Assist. Prof. Kristina Marković, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Advanced control methods in precision engineering | Assist. Prof. Ervin Kamenar, D. Sc. | 15 | 0 | 0 | 6 | E |

| LIST OF MODULES/COURSES | | | | | | | |
|-------------------------------|---|--|----|---|---|------|--------|
| Year of study: 1. | | | | | | | |
| Semester: 2. | | | | | | | |
| MODULE | COURSE | COURSE INSTRUCTOR | L | E | S | ECTS | STATUS |
| Mechanical engineering design | Selected chapters on industrial transport equipment and devices | Prof. N. Lovrin, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Compliant Elements and Mechanisms | Prof. Saša Zelenika, D. Sc. Prof. Francesco De Bona, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Selected chapters on machine elements design | Prof. Marina Franulović, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Multi-speed mechanical convertors | Assist. Prof. S. Troha, D. Sc. Assist. Prof. D. P. Karaivanov, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Selected chapters on gear transmissions | Assist. Prof. Željko Vrcan, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Selected chapter on fluid power | Assist. Prof. Goran Gregov, D. Sc. | 15 | 0 | 0 | 6 | E |



Module 6: Quality assurance and engineering system control

| LIST OF MODULES/COURSES | | | | | | | |
|-------------------------|---------------------------------|------------------------------------|----|---|---|------|--------|
| Year of study: 1 | | | | | | | |
| Semester: 1 | | | | | | | |
| MODULE | COURSE | COURSE INSTRUCTOR | L | E | S | ECTS | STATUS |
| Quality assur.. | Total quality management | Prof. D. Pavletić, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Production planning and control | Assist. Prof. S. Doboviček, D. Sc. | 15 | 0 | 0 | 6 | E |

| LIST OF MODULES/COURSES | | | | | | | |
|--|--|--|----|---|---|------|--------|
| Year of study: 1 | | | | | | | |
| Semester: 2 | | | | | | | |
| MODULE | COURSE | COURSE INSTRUCTOR | L | E | S | ECTS | STATUS |
| Quality assurance and engineering system control | Statistical process control | Prof. B. Runje, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Design of data base | Prof. M. Pavlić, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Business decision making | Prof. M. Dimitrić, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Project management in product and production systems development | Assist. Prof. G. Šterpin Valić, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Reliability of technical systems | Prof. D. Matika, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Intelligent systems | Prof. I. Ipšić, D. Sc. Assoc. Prof. S. Dobrišek, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Strategic management and competitiveness | Assoc. Prof. L. Jelenc, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Quality engineering | Prof. D. Pavletić, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Technical systems safety | Prof. D. Matika, D. Sc. | 15 | 0 | 0 | 6 | E |



Module 7: Ecological engineering and environmental protection

| LIST OF MODULES/COURSES | | | | | | | |
|---|---|---|----|---|---|------|--------|
| Year of study: 1. | | | | | | | |
| Semester: 1. | | | | | | | |
| MODULE | COURSE | COURSE INSTRUCTOR | L | E | S | ECTS | STATUS |
| Ecological engineering and environmental protection | Selected topics on environment protection | Prof. J. Dobrinić, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Sustainable development management and environmental protection | Assoc. Prof. A. Anić Vučinić, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Protection of marine and coastal environments | Prof. G. Kniewald, D. Sc. Assist. Prof. D. Legović, D. Sc. | 15 | 0 | 0 | 6 | E |

| LIST OF MODULES/COURSES | | | | | | | |
|---|---|---|----|---|---|------|--------|
| Year of study: 1. | | | | | | | |
| Semester: 2. | | | | | | | |
| MODULE | COURSE | COURSE INSTRUCTOR | L | E | S | ECTS | STATUS |
| Ecological engineering and environmental protection | Materials testing | Assist. Prof. S. Smokvina Hanza, D. Sc. Assist. Prof. M. Fonović, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Waste management | Assoc. Prof. L. Traven, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Noise pollution | Assist. Prof. A. Skoblar, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Computational modelling of pollution dispersion | Prof. L. Kranjčević, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Numerical modelling of environmental flow | Assoc. Prof. J. Škifić, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Environmental refrigeration | Prof. B. Pavković, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Environment protection in energy and process industry | Assist. Prof. V. Dragičević, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Microbiological pollution of water | Assoc. Prof. S. Družeta, D. Sc. Assoc. Prof. D. Vukić Lušić, D. Sc. | 15 | 0 | 0 | 6 | E |



Postgraduate University Doctoral Study in the area of Engineering Sciences, in the field of Electrical Engineering

Module 1: Electronic-information systems

| LIST OF MODULES/COURSES | | | | | | | |
|--------------------------------|--|---|----|---|---|------|--------|
| Year of study: 1 | | | | | | | |
| Semester: 1 | | | | | | | |
| MODULE | COURSE | COURSE INSTRUCTOR | L | E | S | ECTS | STATUS |
| Electronic-information systems | Mixed signal processing | Prof. N. Stojković, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Electromagnetic Modeling | Prof. M. Joler, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Photonic Devices | Assoc. prof. V. Gradišnik, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Measurement and Analysis of Electric Power Quality | Prof. S. Vlahinić, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Intelligent manufacturing systems | Prof. Z. Car, D. Sc. Prof. K. Ohkura, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Intelligent robots and manipulators | Prof. Z. Car, D. Sc. | 15 | 0 | 0 | 6 | E |

| LIST OF MODULES/COURSES | | | | | | | |
|--------------------------------|--|--|----|---|---|------|--------|
| Year of study: 1 | | | | | | | |
| Semester: 2 | | | | | | | |
| MODULE | COURSE | COURSE INSTRUCTOR | L | E | S | ECTS | STATUS |
| Electronic-information systems | Nonstationary Signal Analysis and Processing | Prof. V. Sučić, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Ambient intelligence | Prof. M. Vrankić, D. Sc. Prof. S. Vlahinić, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Advanced Digital Signal Processing Methods | Assist. prof. Ivan Volarić, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Industrial digital control system | Assoc. prof. N. Bulić, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Service robotics | Assoc. prof. K. Lenac, D. Sc. Prof. E. Mumolo, D. Sc. | 15 | 0 | 0 | 6 | E |



Module 2: Electric power systems and new technologies

| LIST OF MODULES/COURSES | | | | | | | | |
|---|---|---|----|---|---|------|--------|--|
| Year of study: 1 | | | | | | | | |
| Semester: 1 | | | | | | | | |
| MODULE | COURSE | COURSE INSTRUCTOR | L | E | S | ECTS | STATUS | |
| Electric power systems and new technologies | Energy efficiency in electrical systems | Assoc. prof. D. Franković, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Modelling of Electrical Power Transmission and Distribution Systems | Prof. V. Komen, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Reliability of Technical Systems | Prof. D. Matika, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Control of Synchronous Machines | Assoc. prof. N. Bulić, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Power system optimization | Assoc. prof. D. Franković, D. Sc. Assist. prof. T. Plavšić, D. Sc. | 15 | 0 | 0 | 6 | E | |

| LIST OF MODULES/COURSES | | | | | | | | |
|---|--|---|----|---|---|------|--------|--|
| Year of study: 1 | | | | | | | | |
| Semester: 2 | | | | | | | | |
| MODULE | COURSE | COURSE INSTRUCTOR | L | E | S | ECTS | STATUS | |
| Electric power systems and new technologies | Active Distribution Networks | Assist. prof. S. Žutobradić, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Intelligent Power Systems - Smart Grids | Assist. prof. V. Kirinčić, D. Sc. Assist. prof. R. Prenc, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | Selected Chapters on Energy Components and Systems of Renewable Energy Sources | Assoc. prof. S. Sladić, D. Sc. | 15 | 0 | 0 | 6 | E | |
| | The elements of energy transition | Prof. A. Višković, D. Sc. | 15 | 0 | 0 | 6 | E | |



Postgraduate Doctoral Study Programme in the Area of Engineering Sciences, in the Field of Computer Science

| LIST OF MODULES/COURSES | | | | | | | |
|-------------------------|--|--|----|---|---|------|---------------------|
| Year of study: 1. | | | | | | | |
| Semester: I. | | | | | | | |
| MODULE | COURSE | COURSE INSTRUCTOR | L | E | S | ECTS | STATUS ¹ |
| Computer Science | Information Theory with Applications | Assist. prof. J. Lerga, D. Sc. Prof. S. Stanković, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Applied Machine Learning | Assoc. prof. I. Štajduhar, D.Sc. Assist. prof. G. Mauša, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Advanced Interactive Systems Design and Evaluation | Assist. prof. S. Ljubić, D. Sc. Assist. prof. D. Brščić, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Selected Chapters from Communication Networks | Assoc. prof. M. Tomić, D. Sc. Assist. prof. D. Arbula, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Computer Perception | Assoc. prof. K. Lenac, D. Sc. Prof. D. Kragić, D. Sc. | 15 | 0 | 0 | 6 | E |

| LIST OF MODULES/COURSES | | | | | | | |
|-------------------------|---|---|----|---|---|------|--------|
| Year of study: 1. | | | | | | | |
| Semester: II. | | | | | | | |
| MODULE | COURSE | COURSE INSTRUCTOR | L | E | S | ECTS | STATUS |
| Computer Science | Wearable Computing | Prof. M. Joler, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Intelligent Systems | Prof. I. Ipšić, D. Sc. Assoc. prof. S. Dobrišek, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Service Robotics | Assoc. prof. K. Lenac, D. Sc. Prof. E. Mumolo, D. Sc. | 15 | 0 | 0 | 6 | E |
| | Introduction to Soft Computing and Applications | Assoc. prof. I. Štajduhar, D. Sc. Assoc. prof. D. Huljenić, D. Sc. | 15 | 0 | 0 | 6 | E |

¹ IMPORTANT: Insert C for compulsory courses or E for elective courses.