



RĪGAS TEHNISKĀ UNIVERSITĀTE

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Study programme "Management Science and Economics"

Main attributes

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| Title | Management Science and Economics |
| Identification code | IDU0 |
| Education classification code | 51345 |
| Level and type | Doctoral (Third Cycle) Studies |
| Higher education study field | Management and Administration, Real Estate Management |
| Head of the study field | Inga Lapiņa |
| Department responsible | Faculty of Engineering Economics and Management |
| Head of the study programme | Elīna Gaile-Sarkane |
| Professional classification code | - |
| The type of study programme | Full time, Extramural |
| Language | Latvian, English |
| Accreditation | 26.05.2021 - 27.05.2027; Accreditation certificate No 2022/35 |
| Volume (credit points) | 288.0 |
| Duration of studies (years) | Full time studies - 4,0; Extramural - 5,0 |
| Degree or/and qualification to be obtained | Doctor of Science (Ph.D.) in Social Sciences |
| Qualification level to be obtained | The 8th level of European Qualifications Framework (EQF) and Latvian Qualifications Framework (LQF) |
| Programme prerequisites | Master degree of social science, or comparable degrees; master degree in management, administration and economics or comparable education; master degree in natural sciences, engineering sciences, industrial engineering and construction or comparable education and at least 2 years of managerial experience |

Description

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| Abstract | The doctoral study programme “Management Science and Economics” is intended to acquire the knowledge and research experience necessary to receive the Doctor’s degree in Economics. The study programme envisages specialization in a sub-branch of Management Science – Business Management and in two sub-branches of Economic Science – Macroeconomics and Microeconomics. The study programme provides acquisition of modern theoretical concepts of the above-mentioned scientific branches, research methodology and learning methods, scientific research skills under the supervision of experienced researchers or the industry’s leading experts. The study programme provides a sound knowledge in theoretical subjects of the relevant study directions: Management Theory and Entrepreneurship and Economic Theory. The study programme includes development of Doctoral Thesis (Dissertation), which is defended in the Promotion Council. |
| Aim | The aim of the study programme is to prepare highly qualified specialists of international level (doctors of sciences), in sub-fields of Management Science and Economics providing theoretical and practical knowledge, which are necessary to conduct independent research work and teaching work. |
| Tasks | Objectives of the study programme: - to master the latest theoretical concepts, fundamental principles, research methodologies and research methods in the selected field of science. To carry out a research on the selected topic using modern state-of-the-art methods of analysis and data processing; - to develop analytical, creative and critical thinking, abilities to address problems in an innovative way. To be able to present research results at international scientific conferences and seminars, to be able to prepare and publish scientific articles on research results; - to develop leadership and change management abilities, ability to work in a team and cooperate with professionals from different areas; - to develop pedagogical skills by independently developing study courses and reading academic lectures, supervising bachelor’s, master’s papers, diploma projects, placement. |

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| Learning outcomes | <p>Learning outcomes to be achieved:</p> <ul style="list-style-type: none"> - a completed doctoral thesis has been independently drafted, which has significant theoretical relevance and practical use prospects and contains original research results, and provides new insights into the relevant field or sub-field of science; - competences relevant to the level of international achievements of the relevant field of science, enabling to start independent professional, scientific or academic activities. <p>Competences:</p> <ul style="list-style-type: none"> - capable of resolving important research or innovation tasks in the fields of social sciences and interdisciplinary fields through independent, critical analysis, synthesis and evaluation; - capable of independently proposing an idea for research, planning, structuring and managing large-scale scientific projects in business and economics, including international projects; - capable of demonstrating that they know and understand latest social science theories and scientific insights, can use state-of-the-art research methods and methodologies relevant to social sciences; - capable of resolving important research or innovation tasks, developing new research methods and methodologies through independent, critical analysis, synthesis and evaluation; - capable of independently analysing the obtained results and drawing respective conclusions; - capable of independently planning a research, managing research or development tasks in organisations requiring extensive research knowledge and skills; - capable of analytical and critical evaluation of the material being studied, integrating theoretical knowledge into the research process, exposing problems, generating and developing new ideas; - capable of increasing own scientific qualification independently, carrying out scientific projects, gaining achievements that correspond to international criteria in economics and business; - capable of communicating independently in writing, demonstrating understanding of existing knowledge and its use in practice, including by preparing and publishing internationally quoted scientific articles and publications. |
| Final/state examination procedure, assessment | <p>A doctoral thesis (dissertation) is defended upon completion of the study programme.</p> <p>A doctoral degree is awarded for an independently drafted doctoral thesis containing scientifically original, verified results and providing new insights into the specific sub-field of science. The conformity of the thesis is assessed by the State Scientific Qualification Commission, experts of the Latvian Council of Science and the Doctoral Council of the respective field of science, taking into account the following criteria: whether the research is a completed study with sufficient scientific novelty, appropriate content and volume, or whether state-of-the-art methods of analysis and data processing have been applied in the thesis or whether there are publications in reviewed international scientific editions, whether the results of scientific research have been discussed at international scientific conferences (workshops).</p> |
| Description of the future employment | <p>Research work in scientific research institutes, laboratories and enterprises. Academic and research work in higher education institutions.</p> <p>Management and operational problem solutions in contemporary organizations. Independent work or work in a team on interdisciplinary and international research projects. Possible positions in scientific and academic work – Senior Researcher, Docent, Professor.</p> |
| Special enrollment requirements | Master's degree in social sciences |
| Opportunity to continue studies | |

Courses

| No | Code | Name | Credit points |
|-----------|------------------------|--|---------------|
| A | | Compulsory Study Courses | 22.0 |
| 0 | IV0688 | Contemporary Social Science Theory | 15.0 |
| 0 | IV0028 | Research Methodology in Social Sciences | 7.0 |
| B | | Compulsory Elective Study Courses | 32.0 |
| B1 | | Field-Specific Study Courses | 32.0 |
| 1 | IV0102 | Organization and Management Strategy of International Economic Relations | 23.0 |
| 2 | IV0107 | Modelling of Business Management | 23.0 |
| 3 | IV0103 | Business Logistics | 23.0 |
| 4 | IV0124 | Strategic Administration in Civil Construction | 23.0 |
| 5 | IV0091 | Sustainable Economic Development | 23.0 |
| 6 | IV0093 | Marketing Theory and Practice | 23.0 |
| 7 | IV0104 | Topicalities of Modern Economics | 23.0 |
| 8 | IV0096 | Quality Assurance and Improvement | 23.0 |
| 0 | IV0116 | Customs Strategic Management | 22.0 |
| 1 | IV0113 | Strategic Financial Management | 23.0 |
| 0 | IV0127 | Economic Theory | 23.0 |
| 0 | IV0137 | Construction Industry and Real Estate Market Sustainable Development | 23.0 |
| 0 | IV0686 | Problems of Business Management (Doctoral Workshop) | 9.0 |
| 1 | IV0689 | Topicalities of Modern Economics (Doctoral Workshop) | 9.0 |
| C | | Free Elective Study Courses | 9.0 |
| E | | Final Examination | 225.0 |
| 1 | IV0687 | Research Work | 225.0 |