

VILNIUS GEDIMINAS TECHNICAL UNIVERSITY
SPRING SEMESTER LIST OF COURSES OFFERED IN ENGLISH
2018/2019



 optional (might not be available)

For course **description** please click on the **course code**

ECTS credits in parentheses show the number of credits students get for a course paper/project

Spring Semester courses					
Faculty	Course code	Course Title	Level	Semestrer	ECTS
Antanas Gustaitis' Aviation Institute	AIAIB17062	Unmanned Aerial Vehicles and their Systems	Bachelor	Spring	3
Antanas Gustaitis' Aviation Institute	AISVA16409	Air Traffic Control Theory	Integrated	Spring	6
Antanas Gustaitis' Aviation Institute	AIAIA17003	Aircraft Electronic Navigation Systems 2	Integrated	Spring	6
Antanas Gustaitis' Aviation Institute	AIAIA17016	Aircraft general knowledge: electronic	Integrated	Spring	3
Antanas Gustaitis' Aviation Institute	AIAIA17017	Aircraft general knowledge: instruments	Integrated	Spring	3
Antanas Gustaitis' Aviation Institute	AISVA15808	Aviation and Flight Safety	Integrated	Spring	6
Antanas Gustaitis' Aviation Institute	AISVA16403	Aviation English 2: Rules of Radiotelephony	Integrated	Spring	3
Antanas Gustaitis' Aviation Institute	AISVA16602	Aviation English 4	Integrated	Spring	3
Antanas Gustaitis' Aviation Institute	AISVA11816	Aviation English 6	Integrated	Spring	5
Antanas Gustaitis' Aviation Institute	AISVA16402	Fundamentals of Flight	Integrated	Spring	3
Antanas Gustaitis' Aviation Institute	AIAIA17114	General information about the aircraft: airframe	Integrated	Spring	6
Antanas Gustaitis' Aviation Institute	AISVA15811	Integrated Course Project	Integrated	Spring	5
Antanas Gustaitis' Aviation Institute	AISVA16601	Meteorology	Integrated	Spring	9(3)
A. Gustaitis' Aviation Institute	AIAIB17777	Bakalauro baigiamasis darbas 1/ Bachelor graduation thesis 1	Bachelor	Spring	24
A. Gustaitis' Aviation Institute	AIAIB17059	Bakalauro baigiamasis darbas 2/ Bachelor Graduation Thesis 2	Bachelor	Spring	6
Architecture	ARARB11812	Interior (4th year course)	Bachelor	Spring	6(3)
Architecture	ARPGB17030	Protection of Monuments and Regeneration (4th year course)	Bachelor	Spring	3
Architecture	ARARA17005	Architecture and technology (2nd year course)	Integrated	Spring	15
Architecture	ARPGA17017	Aesthetics of Architecture (3rd year course)	Integrated	Spring	3
Architecture	ARPGA17023	Basics of Building Information Modeling (2nd year course)	Integrated	Spring	3
Architecture	ARPGA17005	Contemporary art project and architecture (2nd year course)	Integrated	Spring	3

Architecture	ARPGA17003	Drawing 2 (1st year course)	Integrated	Spring	6
Architecture	ARPGA17012	History and Composition of Lithuanian Architecture (2nd year course)	Integrated	Spring	6
Architecture	ARPGA17010	History of Architecture 1 (1st year course)	Integrated	Spring	3
Architecture	ARPGA17015	History of Urban Form and Composition (3rd year course)	Integrated	Spring	6
Architecture	ARARA16003	Practice of Architectural measurements (1st year course)	Integrated	Spring	3
Architecture	ARPGA17016	Psychology and Ethics in Architecture (3rd year course)	Integrated	Spring	3
Architecture	ARURA17003	Urban Structures (3rd year course)	Integrated	Spring	15
Business Management	VVFRB14803	Banking	Bachelor	Spring	3
Business Management	VVTVB17272	Business Projects (with course work)	Bachelor	Spring	6
Business Management	VVVKB17009	Complex Project of Marketing Management	Bachelor	Spring	6
Business Management	VVTB11802	Construction and Territory Planning Law	Bachelor	Spring	3
Business Management	VVFRB16401	Corporate Financial Management	Bachelor	Spring	6
Business Management	VVFRB16607	Course Project of Financial Analysis	Bachelor	Spring	3 (3)
Business Management	VVEIB17279	Course Project of Quantitative Modeling Methods	Bachelor	Spring	3(3)
Business Management	VVTVB17184	Engineering Principles	Bachelor	Spring	3
Business Management	VVTVB17087	Entrepreneurship (with course work)	Bachelor	Spring	6
Business Management	VVEIB17018	EU Economic Policy	Bachelor	Spring	3
Business Management	VVFRB16608	Financial Analysis	Bachelor	Spring	6
Business Management	VVFRB14801	Financial Engineering	Bachelor	Spring	7 (3)
Business Management	VVFRB16606	Financial Markets and Institutions	Bachelor	Spring	3
Business Management	VVFRB14802	Financial Risk Management	Bachelor	Spring	3
Business Management	VVTB11716	Informatics Law	Bachelor	Spring	3
Business Management	VVTVB17215	Information Management Systems	Bachelor	Spring	3
Business Management	VVTVB17011	Innovation Management (with course work)	Bachelor	Spring	6
Business Management	VVVKB17029	Intercultural Communication	Bachelor	Spring	3
Business Management	VVEIB17020	International Economic Organisations and their Policy	Bachelor	Spring	3
Business Management	VVEIB17803	International Economic Relations Design	Bachelor	Spring	7
Business Management	VVFRB17603	International Finance	Bachelor	Spring	3
Business Management	VVTB16112	Law	Bachelor	Spring	3
Business Management	VVTVB17173	Logistics	Bachelor	Spring	6
Business Management	VVEIB17191	Macroeconomics	Bachelor	Spring	6
Business Management	VVVKB17157	Management	Bachelor	Spring	3

Business Management	VVVKB17159	Management	Bachelor	Spring	3
Business Management	VVVKB17166	Management	Bachelor	Spring	3
Business Management	VVVKB17813	Management	Bachelor	Spring	3
Business Management	VVVKB17025	Marketing Management	Bachelor	Spring	3
Business Management	VVFRB16601	Pricing	Bachelor	Spring	6
Business Management	VVEIB17021	Processes of Globalisation	Bachelor	Spring	3
Business Management	VVVKB17028	Protocol and Etiquette	Bachelor	Spring	3
Business Management	VVEIB17280	Quantitative Modeling Methods	Bachelor	Spring	6
Business Management	VVEIB17029	Regional Economics II: Nordic Countries	Bachelor	Spring	3
Business Management	VVTVB17172	Total Quality Management	Bachelor	Spring	3
Business Management	VVFRB16609	Valuation of Financial Instruments	Bachelor	Spring	3
Business Management	VVEIA17125	Construction and Architectural Organizations Economy	Integrated	Spring	3
Business Management	VVVKM17056	International Management (with course project)	Master	Spring	9
Business Management	VVTVM17152	Managerial Information Technologies	Master	Spring	6
Business Management	VVVKM17100	Theory of Organization	Master	Spring	6
Business Management	VVEIB17031	International Economics	Bachelor	Spring	3
Business Management	VVEIB17201	Economics of Public Sector (with course work)	Bachelor	Spring	6
Business Management	VVEIB17801	Microeconomics	Bachelor	Spring	6
Business Management	VVEIM18404	Economic Behavior	Master	Spring	6
Business Management	VVEIM18405	Advanced Economics	Master	Spring	6
Business Management	VVFRB16403	Accounting and Auditing	Bachelor	Spring	6
Business Management	VVFRB16404	Course Project of Accounting and Auditing	Bachelor	Spring	3
Business Management	VVFRB16613	Risk Management	Bachelor	Spring	3
Business Management	VVFRB17201	Essentials of Financial Decisions	Bachelor	Spring	3
Business Management	VVFRM17205	Anatomy and Management of Sustainable Development	Master	Spring	6
Business Management	VVFRM17220	Management of Financial Investment (with course project)	Master	Spring	9
Business Management	VVTEB16204	Business Law	Bachelor	Spring	6
Business Management	VVTEB16403	Business Law	Bachelor	Spring	3
Business Management	VVVKB17806	Human Resources Management	Bachelor	Spring	3
Business Management	VVVKB17808	Business Communication	Bachelor	Spring	3
Business Management	KIFSB17207	Sociology	Bachelor	Spring	3
Business Management	FMISM18201	IT Security Management	Master	Spring	6
Business Management	VVFRM17204	Financial Engineering	Master	Spring	6

Business Management	VVFRM18201	Management of Financial Investment (with course project)	Master	Spring	9
Business Management	VVFRM17206	Investing Psychology	Master	Spring	6
Civil Engineering	STGGB17268	Applied Physics	Bachelor	Spring	6
Civil Engineering	STGGB17030	Basis of structural design	Bachelor	Spring	3
Civil Engineering	STVNB17311	Building Construction Technology and Organization	Bachelor	Spring	3
Civil Engineering	STGGB17173	Engineering Geology	Bachelor	Spring	3
Civil Engineering	STTMB17042	Engineering Mechanics	Bachelor	Spring	6
Civil Engineering	STGGB17168	Foundation Engineering	Bachelor	Spring	5 (2)
Civil Engineering	STVNB17048	Fundamentals of Construction Project Management	Bachelor	Spring	3
Civil Engineering	STGSB17037	Human's Safety	Bachelor	Spring	3
Civil Engineering	STGSB17062	Human's Safety and Environmental Protection	Bachelor	Spring	3
Civil Engineering	STMEB17032	Integrated Project (Steel Structures 2; Building Construction Technology and Organization)	Bachelor	Spring	6
Civil Engineering	STGSB17174	Materials Science and Building Materials	Bachelor	Spring	6
Civil Engineering	STTMB17053	Mechanics of materials	Bachelor	Spring	6
Civil Engineering	STTMB17055	Mechanics of Materials	Bachelor	Spring	6
Civil Engineering	STTMB17058	Mechanics of Materials 2	Bachelor	Spring	6
Civil Engineering	STTMB17105	Numerical analysis of structures - BIM 2	Bachelor	Spring	3
Civil Engineering	STMEB17019	Numerical Modeling and Design of Steel Buildings	Bachelor	Spring	5(2)
Civil Engineering	STGGB17037	Reinforced Concrete Structures 2	Bachelor	Spring	6
Civil Engineering	STGGB17038	Reinforced Concrete Structures 2 (Course project)	Bachelor	Spring	3
Civil Engineering	STMEB17031	Steel Structures 2	Bachelor	Spring	6
Civil Engineering	STVNB17303	Technology of construction processes	Bachelor	Spring	6
Creative Industries	KIKOB17076	Basics of Advertising (with course work)	Bachelor	Spring	6
Creative Industries	KIKOB17077	Complex project	Bachelor	Spring	9
Creative Industries	KIFSB17157	Cultural Narratives	Bachelor	Spring	3
Creative Industries	KIKOB17075	Innovation Management	Bachelor	Spring	6
Creative Industries	KIPIB17052	Integrated Project	Bachelor	Spring	9
Creative Industries	KIPIB17001	Sport Industry	Bachelor	Spring	3
Creative Industries	KIFSB17153	Technology and Culture	Bachelor	Spring	6
Electronics	ELKRB16723	Bachelor Graduation Thesis 1 (<i>prior agreement needed</i>)	Bachelor	Spring	3
Electronics	ELKRB16825	Bachelor Graduation Thesis 2 (<i>prior agreement needed</i>)	Bachelor	Spring	6
Electronics	ELKRB16826	Bachelor Graduation Thesis 3 (<i>prior agreement needed</i>)	Bachelor	Spring	6

Electronics	ELESB16403	Computer Architecture	Bachelor	Spring	6
Electronics	ELKRB16404	Computer Engineering Practicum	Bachelor	Spring	3
Electronics	ELKRB16201	Computer Logic	Bachelor	Spring	3
Electronics	ELESB16604	Computer Networks	Bachelor	Spring	6
Electronics	ELKRB16629	Computer Peripherals	Bachelor	Spring	3
Electronics	ELEIB11402	Control of Technical Systems	Bachelor	Spring	4
Electronics	ELKRB16202	Databases	Bachelor	Spring	3
Electronics	ELKRB16618	Development of Embedded Computers	Bachelor	Spring	6
Electronics	ELEIB11661	Digital Automatics	Bachelor	Spring	5
Electronics	ELESB16603	Digital Signal Processing	Bachelor	Spring	6
Electronics	ELEIB16403	Electrical Engineering	Bachelor	Spring	3
Electronics	ELEIB16251	Electrical Engineering	Bachelor	Spring	6
Electronics	ELESB16401	Electronic Devices	Bachelor	Spring	3
Electronics	ELEIB16201	Electronics and Electrical Engineering	Bachelor	Spring	3
Electronics	ELEIB16651	Human Safety	Bachelor	Spring	3
Electronics	ELESB16405	Informatics Practicum	Bachelor	Spring	3
Electronics	ELESB16409	Information Systems Analysis	Bachelor	Spring	6
Electronics	ELESB16612	Microcontrollers Systems	Bachelor	Spring	6
Electronics	ELKRB16612	Microprocessors	Bachelor	Spring	6
Electronics	ELKRB16630	Microprocessors and Their Programming	Bachelor	Spring	3
Electronics	ELKRB16613	Microwave Technology	Bachelor	Spring	3
Electronics	ELESB11808	Multimedia Technologies	Bachelor	Spring	3
Electronics	ELESB11805	Network Programming	Bachelor	Spring	4
Electronics	ELESB16402	Signals and Circuits 1	Bachelor	Spring	6
Electronics	ELEIB16206	Smart Electrical and Electronics Systems of Buildings	Bachelor	Spring	3
Electronics	ELEIM17201	Control of Electrical Energy Systems	Master	Spring	6
Electronics	ELEIM17204	Electronic Converters (with Course Project)	Master	Spring	9
Electronics	ELEIM17400	Master Graduation Thesis (<i>prior agreement needed</i>)	Master	Spring	30
Electronics	ELEIM17256	Modern Electric Drives	Master	Spring	6
Electronics	ELEIM17203	Modern Electrical Engineering	Master	Spring	6
Environmental Engineering	APPEB11123	Bachelor Graduation Thesis 3 (Energy Supply Systems)	Bachelor	Spring	7
Environmental Engineering	APPEB11121	Bachelor Graduation Thesis 2 (Energy Supply Systems)	Bachelor	Spring	5

Environmental Engineering	APPEB11122	Bachelor Graduation Thesis 2 (Indoor Climate Systems)	Bachelor	Spring	5
Environmental Engineering	APPEB11124	Bachelor Graduation Thesis 3 (Indoor Climate Systems)	Bachelor	Spring	7
Environmental Engineering	APGDB16052	Engineering Geodesy	Bachelor	Spring	3
Environmental Engineering	APGDB11047	Geoinformation Systems	Bachelor	Spring	3
Environmental Engineering	APPEB16404	Heat and Mass Transfer	Bachelor	Spring	6
Environmental Engineering	APPEB16612	Heat Production	Bachelor	Spring	6
Environmental Engineering	APPEB16407	Indoor Climate (with course project)	Bachelor	Spring	6
Environmental Engineering	APGDB16065	Practice of Engineering Geodesy	Bachelor	Spring	3
Environmental Engineering	APAVB17208	Water supply and sewerage of the buildings	Bachelor	Spring	3
Environmental Engineering	APAVM17140	Environmental Management (with course project)	Master	Spring	9
Environmental Engineering	APAVM17128	Environmental Politics, Law and Economics (with course project)	Master	Spring	6
Environmental Engineering	APGDM17040	Geodetic Laser Scanning Technologies (with course project)	Master	Spring	6
Environmental Engineering	APGDM17044	Geoinformation Systems Technology	Master	Spring	6
Environmental Engineering	APAVM17143	Life Cycle Assessment	Master	Spring	3
Environmental Engineering	APGDM17043	Real Estate Cadastre	Master	Spring	6
Environmental Engineering	APGDM17041	Remote Sensing Methods	Master	Spring	6
Environmental Engineering	APAVM17141	Waste Management (with course work)	Master	Spring	9
Fundamental Sciences	FMIGB16301	Applied Engineering Graphics	Bachelor	Spring	6
Fundamental Sciences	FMFIB16214	Applied Physics	Bachelor	Spring	6
Fundamental Sciences	FMFIB16216	Applied Physics	Bachelor	Spring	3
Fundamental Sciences	FMFIB16223	Applied Physics	Bachelor	Spring	3
Fundamental Sciences	FMISB14620	Artificial Intelligence and Knowledge Systems	Bachelor	Spring	3
Fundamental Sciences	FMCHB16202	Chemistry	Bachelor	Spring	3
Fundamental Sciences	FMITB16408	Cloud Computing (with course work)	Bachelor	Spring	6
Fundamental Sciences	FMITB15805	Complex Project	Bachelor	Spring	6
Fundamental Sciences	FMITB11811	Corporate Systems Architecture	Bachelor	Spring	3
Fundamental Sciences	FMITB14809	Database Programming	Bachelor	Spring	3
Fundamental Sciences	FMMMB16202	Discrete Mathematics 2	Bachelor	Spring	6
Fundamental Sciences	FMITB16605	Fundamentals of Business Process Management	Bachelor	Spring	6
Fundamental Sciences	FMIGB17001	General and Applied Engineering Graphics	Bachelor	Spring	6
Fundamental Sciences	FMIGB16203	General Engineering and Digital Graphics	Bachelor	Spring	6
Fundamental Sciences	FMIGB16003	General Engineering Graphics	Bachelor	Spring	6

Fundamental Sciences	FMIGB16202	General Engineering Graphics	Bachelor	Spring	3
Fundamental Sciences	FMISB16000	Information Security Fundamentals	Bachelor	Spring	3
Fundamental Sciences	FMSAB16202	Integral Calculus	Bachelor	Spring	6
Fundamental Sciences	FMSAB16209	Integral Calculus	Bachelor	Spring	6
Fundamental Sciences	FMMMB16201	Integral Calculus	Bachelor	Spring	6
Fundamental Sciences	FMMMB16210	Integrals, differential equations and series	Bachelor	Spring	6
Fundamental Sciences	FMITB16604	Management of Database 2 (with course project)	Bachelor	Spring	6
Fundamental Sciences	FMMMB16211	Mathematics 2	Bachelor	Spring	6
Fundamental Sciences	FMITB16414	Object-Oriented Design	Bachelor	Spring	6
Fundamental Sciences	FMITB16101	Operating Systems	Bachelor	Spring	6
Fundamental Sciences	FMFIB16229	Physics 2	Bachelor	Spring	3
Fundamental Sciences	FMSAB16206	Probability Theory and Mathematical Statistics	Bachelor	Spring	9
Fundamental Sciences	FMISB16406	Software Systems Engineering	Bachelor	Spring	6
Fundamental Sciences	FMISM17201	Computer Networks and Operating Safety	Master	Spring	9
Fundamental Sciences	FMISM17205	Programs Safety	Master	Spring	6
Fundamental Sciences	FMISM17203	Security Checks and Ethical Hacking Techniques (with course work)	Master	Spring	6
Mechanics	MERSB17014	Bachelor Graduation Thesis 2	Bachelor	Spring	5
Mechanics	MEMKB17052	Bachelor Graduation Thesis 3	Bachelor	Spring	10
Mechanics	MERSB17015	Bachelor Graduation Thesis 3	Bachelor	Spring	10
Mechanics	MERSB17112	CAD/CAM/CAE	Bachelor	Spring	6
Mechanics	MERSB17107	Cognitive Practice	Bachelor	Spring	3
Mechanics	MEMKB18603	Computer-Aided Design of Manufacturing Technologies	Bachelor	Spring	6
Mechanics	MEMKB18604	Course Project of Computer-Aided Design of Manufacturing Technologies	Bachelor	Spring	3
Mechanics	MEMKB17166	Design of Machines and Instruments 1	Bachelor	Spring	3
Mechanics	MEMKB17168	Ecological Design	Bachelor	Spring	6
Mechanics	MERSB17109	Elements of Mechatronics	Bachelor	Spring	3
Mechanics	MEMKB17054	Equipment Assembly Technologies	Bachelor	Spring	4
Mechanics	MEMKB17214	Joining Technologies	Bachelor	Spring	3
Mechanics	MERSB17401	Machine Elements (with course project)	Bachelor	Spring	6
Mechanics	MEMKB17379	Materials science 1	Bachelor	Spring	3
Mechanics	MEMKB17151	Mechanical, Laser and Another Manufacturing Technologies	Bachelor	Spring	3
Mechanics	MERSB17120	Design of Mechatronic and Robotic Systems (with course project)	Bachelor	Spring	6

Mechanics	MERSB17121	Quality and Certification in the Automated Industry	Bachelor	Spring	6
Mechanics	MERSB17113	Mechatronic Systems 2	Bachelor	Spring	6
Mechanics	MEMKB17165	Production Technology of Machines and Instruments	Bachelor	Spring	3
Mechanics	MEMKB17167	Quality Management	Bachelor	Spring	3
Mechanics	MERSB17114	Robotical Technology	Bachelor	Spring	6
Mechanics	MEMKB17156	Theory and Practice of Measurements (with course project)	Bachelor	Spring	6
Mechanics	MEMKB17053	Tribology	Bachelor	Spring	3
Mechanics	MERSM17162	Control of Mechatronic Systems	Master	Spring	6
Mechanics	MEMKM17350	Design of Mechanical Systems (with course project)	Master	Spring	12
Mechanics	MERSM17163	Diagnostics in Mechatronics	Master	Spring	6
Mechanics	MEMKM17351	Engineering Ecology	Master	Spring	3
Mechanics	MEMKM17347	Experimental Mechanics	Master	Spring	6
Mechanics	MEMKM18201	Industrial Organisation and Strategic Management	Master	Spring	6
Mechanics	MEMKM17357	Innovation Strategy and Tactics	Master	Spring	6
Mechanics	MEMKM17358	Manufacturing Simulation and Industrial Production Systems	Master	Spring	6
Mechanics	MEMKM17352	Marketing of Innovative Products and Investment Management (with course work)	Master	Spring	9
Mechanics	MEMKM17374	Master Graduation Thesis 4	Master	Spring	30
Mechanics	MERSM17164	Master Graduation Thesis 2	Master	Spring	3
Mechanics	MEMKM17360	Master Graduation Thesis 2	Master	Spring	3
Mechanics	MEMKM17375	Master Graduation Thesis 4	Master	Spring	30
Mechanics	MERSM17176	Master Graduation Thesis 4	Master	Spring	30
Mechanics	MERSM17166	Modelling of Mechatronic Systems	Master	Spring	9
Mechanics	MERSM17165	Sensors in Mechatronics	Master	Spring	6
Mechanics	MEMKM17346	Theory of Engineering Experiment (with course work)	Master	Spring	6
Professional Language Studies Centre	KIUSB17152	English Language	Bachelor	Spring	3
Professional Language Studies Centre	KIUSB18002	Lithuanian Language 2 (for Foreign Students)	Bachelor	Spring	3
Professional Language Studies Centre	KIUSB17116	Speciality English Language	Bachelor	Spring	3
Professional Language Studies Centre	KIUSB17119	Speciality English Language	Bachelor	Spring	3
Professional Language Studies Centre	KIUSB17153	Speciality English Language	Bachelor	Spring	3
Professional Language Studies Centre	KIUSB17185	Speciality English Language	Bachelor	Spring	3
Professional Language Studies Centre	KIUSB17188	Speciality English Language	Bachelor	Spring	3
Professional Language Studies Centre	KIUSB17129	Speciality English Language 1	Bachelor	Spring	3

Professional Language Studies Centre	<u>KIUSB17146</u>	Speciality English Language 2	Bachelor	Spring	3
Professional Language Studies Centre	<u>KIUSA17005</u>	Speciality English Language	Integrated	Spring	3
Transport Engineering	<u>TIMGB17119</u>	Design Fundamentals	Bachelor	Spring	3
Transport Engineering	<u>TIMGB17122</u>	Diagnostic Methods of the Technological Equipment	Bachelor	Spring	3
Transport Engineering	<u>TIAIB17035</u>	Introductory Practice	Bachelor	Spring	3
Transport Engineering	<u>TIAIB17036</u>	Structural and Exploitalational Materials of Road Vehicles	Bachelor	Spring	6
Transport Engineering	<u>TIMGB17031</u>	Technologies of Vehicle Production and Repair	Bachelor	Spring	3
Transport Engineering	<u>TIMGB17120</u>	The Elements of Transport System	Bachelor	Spring	3
Transport Engineering	<u>TILTB16717</u>	Transport Management (organization) (with course work)	Bachelor	Spring	6