Name of the course	Environmental health I AUVMK_004
ECTS	6 ECTS
Topics to be learned	• Global environmental health problems in Latvia and the world. Environmental medicine as a branch of science. The main types of effects of environmental pollution on the human body. Environmental diseases. • Physical pollution of the environment. Ionizing radiation, its effect on the human body. The experience of the atomic bombing of Japan and the Chernobyl accident. • Atmospheric pressure. Microclimate. Air temperature, methods of its determination. Thermal radiation. Air humidity, its indicators. Air movement. Anemometry. The influence of the physical properties of air on the human body. Heat exchange between the organism and the environment. Practical works. Analysis of atmospheric pressure and microclimate indicators. Wind rose construction and analysis. • Air pollution, determination of emissions in the environment in relation to emission sources. • The most frequently used analytical methods in the assessment of environmental pollution, their basic principles. • Air chemical pollution - classification, monitoring, assessment. • Air chemical pollution – analysis methods, concentration calculations.
Name of the course	Environmental medicine AUVMK_014
ECTS	3 ECTS
Topics to be learned	• Weather conditions, microclimate, their effect on health. Acclimatization. Environmental physical factors and pollution. • Introduction to the Department of Occupational and Environmental Medicine. Environmental health and medicine, meaning, tasks and research methods. Microclimate in healthcare institutions. Determination and evaluation of air temperature, humidity and atmospheric pressure.
Name of the course	Environmental science and hygiene AUVMK_034
ECTS	3 ECTS
Topics to be learned	• Air as a component of the environment, air pollution and its effects on health. Outdoor air problems in Latvia and the world. Recommendations for physical activity levels for different groups of people depending on the level of the air quality index. Indoor air problems, sick building syndrome. The influence of climatic and microclimatic conditions on health. • Scale of electromagnetic waves, sources of natural and artificial electromagnetic radiation. Non-ionizing, ionizing radiation. Ultraviolet radiation, its effects on health. Visible light, natural and artificial lighting. Effects of light on human health. Sources of natural and artificial blue light, its effect on biological rhythms.

Name of the course	Environmental health and hygiene AUVMK_036
ECTS	3 ECTS
Topics to be learned	Conditions affecting the outdoors. Air pollution and its effects on health. Effects of climatic conditions on health. The positive effects of natural environmental factors on human health.
Name of the course	Environmental health and environmental protection AUVMK_037
ECTS	3 ECTS
Topics to be learned	• Air as an ecological component of the environment. Review of publications on current air pollution problems. • Water as an ecological component of the environment. Review of publications on current water pollution problems.
Name of the course	Environmental health and environmental protection I AUVMK_038
ECTS	3 ECTS
Topics to be learned	• Microclimate. The influence of the physical properties of air on the human body. Heat exchange between the organism and the environment. Air temperature. Thermal radiation. Air pressure. Barometers. Barographs. Air humidity. Hygrometric generators. Types of psychometers. Practical works. Determination of room air pressure in dynamics. Determination of absolute and relative air humidity by different methods. Comparison and evaluation of results. • Chemical and biological air pollution. Effects of pollution on health. Carbon dioxide as an indicator of room air cleanliness. Air exchange in rooms. Infiltration. Artificial ventilation. Practical works. Determination of the concentration of carbonic acid gas in room air in dynamics. Situational tasks. Calculation of the air cube. Determining the frequency of air exchange. • Air pollution. • Determination of emission factors in the environment. Estimation of emission place and time factor. Emission quantification and assessment. Environmental standards. • Principles of Air Pollution Assessment. • The most frequently used analytical methods for environmental pollution assessment, their basic principles. Measurement uncertainty.
Name of the course	Environmental health and environmental protection for nutritionists AUVMK_044
ECTS	1.5 ECTS

Topics to be learned	Environmental health. Environmental and environment-related diseases. The main types of effects of environmental pollution on the human body. Global environmental health issues. Air as a component of the environment, the impact of air pollution on human health. Indoor air problems, sick buildings syndrome. Measurements of microclimatic parameters. Carbon dioxide as an indicator of indoor air quality.
Name of the course	Environmental health and environmental protection AUVMK_046
ECTS	1.5 ECTS
Topics to be learned	• Air as a component of the environment, the impact of air pollution on human health. Indoor air problems, sick buildings syndrome. Measurements of microclimatic parameters. Carbon dioxide as an indicator of indoor air quality. • Water and its importance. Health effects of water and soil pollution. Diseases caused by water pollution.
Name of the course	Environmental health and environmental protection AUVMK_048
ECTS	1.5 ECTS
Topics to be learned	• Assessment of microclimatic parameters. Carbon dioxide as an indicator of indoor air purity. Solving situational tasks. • Analysis of global environmental health problems in different countries.
Name of the course	Environmental studies AUVMK_051
ECTS	1.5 ECTS
Topics to be learned	• Environmental health. Environmental and environment-related diseases. Harmful environmental factors. The main types of effects of environmental pollution on the human body. The positive influence of environmental factors on human health. Global environmental health problems in Latvia and the world. • Air as a component of the environment. Air pollution and its effects on human health. Indoor air pollution problems. Sick building syndrome. Microclimate and its determining factors, assessment of microclimate. Water as a component of the environment. Physiological, hygienic and epidemiological importance of water. Water and soil pollution and its effects on health."
Name of the course	Environmental health and environmental protection AUVMK_057
ECTS	2 ECTS
Topics to be learned	Environmental health. Environmental and environment-related diseases. The main types of effects of environmental pollution on the human body. Global environmental health issues. Air composition, outdoor air pollution and its

	impact on human health. Indoor air pollution problems, sick building syndrome. Microclimate and its determinants. Electromagnetic radiation, ionizing and non-ionizing radiation. Ultraviolet radiation, its effects on health. Visible light, its effect on a person.
Name of the course	National Security JF_428
ECTS	3 ECTS
Topics to be learned	Sustainability (focus on long-term risk assessment). 17 UN Sustainable Development Goals (Agenda 2030). EU Green Deal initiatives. OECD Guidelines for Multinational Enterprises. UN Guiding Principles on Business and Human Rights. Social corporate responsibility and ESG (Environmental. Social. Governance). Ethical dilemmas. Long-term risk assessment as a basis for the company's sustainability. Resilience and business continuity planning. Adaptation to climate change. Risk assessment.
Name of the course	Civil and environmental protection, first aid KPUMTK_010
ECTS	3 ECTS
Topics to be learned	Environmental health and protection. Current and major environmental health and safety issues. Impact of global climate change. The most important environmental factors, their identification and evaluation (air, water, soil, noise, various pollutions, etc.). Action in mitigation of various aspects of the environment and action in environmental emergency situations
Name of the course	Civil and environmental protection, first aid KPUMTK_015
ECTS	3 ECTS
Topics to be learned	Environmental health and protection. Current and major environmental health and safety issues. Impact of global climate change. The most important environmental factors, their identification and evaluation (air, water, soil, noise, various pollutions, etc.). Action in mitigation of various aspects of the environment and action in environmental emergency situations.
Name of the course	Civil and environmental protection KPUMTK_016
ECTS	3 ECTS
Topics to be learned	Environmental health and protection. Current and major environmental health and safety issues. Impact of global climate change. The most important environmental factors, their identification and evaluation (air, water, soil, noise, various pollutions, etc.). Action in mitigation of various aspects of the environment and action in environmental emergency situations.

Name of the course	Environmental science and hygiene LF_513
ECTS	3 ECTS
Topics to be learned	Conditions affecting the outdoors. Air pollution and its effects on health. Effects of climatic conditions on health. The positive effects of natural environmental factors on human health.
Name of the course	Disaster medicine, civil and environmental protection LF_578
ECTS	3 ECTS
Topics to be learned	• Interlinking of international and national environmental policy goals. Current problems in the field of environmental pollution. • Climate change, its connection with the development of natural disasters. Environmental health and environmental monitoring.
Name of the course	Civil and environmental protection, first aid LF_621
ECTS	3 ECTS
Topics to be learned	Environmental health and protection. Current and major environmental health and safety issues. Impact of global climate change. The most important environmental factors, their identification and evaluation (air, water, soil, noise, various pollutions, etc.). Action in mitigation of various aspects of the environment and action in environmental emergency situations.
Name of the course	Civil and environmental protection, first aid LF_676
ECTS	3 ECTS
Topics to be learned	Environmental health and protection. Current and major environmental health and safety issues. Impact of global climate change. The most important environmental factors, their identification and evaluation (air, water, soil, noise, various pollutions, etc.). Action in mitigation of various aspects of the environment and action in environmental emergency situations
Name of the course	Introduction to international relations PZK_018
ECTS	4.5 ECTS
Topics to be learned	Environmental policy and climate change.
Name of the course	State and globalization: interaction, challenges, perspective PZK_145
ECTS	7.5 ECTS
Topics to be learned	• Globalization and the environment. Country influence in mitigating climate change.

	• Latvia's role in mitigating climate change.
Name of the course	Climate and environmental policy of the European Union PZK_191
ECTS	4.5 ECTS
Topics to be learned	• EU climate targets within the framework of the UN (General Convention on Climate Change) agreement. • Types of climate challenges: Physical and transition risks. • What policy instruments could address different climate risks? • The European Commission's strategy for achieving climate and environmental goals in EU member states . • Etc
Name of the course	EU management - problems and perspectives PZK_193
ECTS	3 ECTS
Topics to be learned	European Single Market, Competitiveness, Transport and Energy, Environment and Climate, Agriculture and Fisheries, Culture and Education, etc.
Name of the course	Political and legal environment of global business SBUEK_114
ECTS	4.5 ECTS
Topics to be learned	• European Climate Law and Energy Law • The European Green Deal: legal aspects • Green Course Industrial Plan
Name of the course	Sustainable development in economy and business SBUEK_137
ECTS	4.5 ECTS
Topics to be learned	The main topicality and issues of sustainable development (SD): - UN Strategy 2030 and 17 main goals. SDG as an integral part of MNC and corporate strategy; - European political and economic trends in the development of sustainable development goals (SDGs) for students; - Contemporary "worrying" problems related to social, economic, environmental and climate aspects. Using the circular economy concept as a new direction in both the EU's and member states' approach to sustainability.
Name of the course	Environmental economics and finance SBUEK_169
ECTS	4.5 ECTS
Topics to be learned	The economics of global climate change. An introduction to the problems and history of global climate change. Impact of climate on economic development. Adaptation and mitigation of climate change.

Name of the course	Environmental economics and finance SBUEK_190
ECTS	6 ECTS
Topics to be learned	The economics of global climate change. An introduction to the problems and history of global climate change. Impact of climate on economic development. Adaptation and mitigation of climate change.
Name of the course	Environmental economics and finance SZF_075
ECTS	4 ECTS
Topics to be learned	The economics of global climate change. An introduction to the problems and history of global climate change. Impact of climate on economic development. Adaptation and mitigation of climate change.
Name of the course	Sustainable development in economy and business SZF_090
ECTS	5 ECTS
Topics to be learned	The main topicality and issues of sustainable development (SD): - UN Strategy 2030 and 17 main goals. SDG as an integral part of MNC and corporate strategy; - European political and economic trends in the development of sustainable development goals (SDGs) for students; - Contemporary "worrying" problems related to social, economic, environmental and climate aspects. Using the circular economy concept as a new direction in both the EU's and member states' approach to sustainability.
Name of the course	Political and legal environment of global business SZF_099
ECTS	4 ECTS
Topics to be learned	• European Climate Law and Energy Law • Green Course Industrial Plan
Name of the course	Environmental health II AUVMK_005
ECTS	3 ECTS
Topics to be learned	• The role of water in human life. Water resources, pollution. Measures for the protection of water bodies and water bodies. • Wastewater treatment process - educational tour. • Waste management, measures to neutralize environmental pollutants - study tour.
Name of the course	Environmental quality modeling AUVMK_013
ECTS	3 ECTS

Topics to be learned	• Methods and principles of environmental pollution modeling. • Typical sources and pollutants of surface water pollution.
Name of the course	Occupational and environmental health risks AUVMK_049
ECTS	3 ECTS
Topics to be learned	• Environmental health. Actualities in environmental quality and protection issues in Latvia and the world. Environmental protection legislation. Environmental monitoring institutions and available databases. • Air quality indicators and the basic principles of their determination. Air quality in Latvia and in the world. Basic indicators of surface, underground and drinking water quality and the basic principles of their determination. Water quality in Latvia and in the world.
Name of the course	Environmental protection JF_297
ECTS	1.5 ECTS
Topics to be learned	• Concepts of environmental protection. Major global issues. Environmental protection prerequisites. Principles of environmental protection. • Special environmental legal regimes. Liability for environmental damage. Waste management.
Name of the course	Civil and environmental protection JF_374
ECTS	3 ECTS
Topics to be learned	Current issues in ensuring environmental protection in the world, EU. Factors affecting the environment and the effect of the environment on man.
Name of the course	Environmental protection rights JF_402
ECTS	3 ECTS
Topics to be learned	• Liability for environmental damage. Seminar sub-topics: - Basic conditions of liability for damage to the soil (subsoil). - Basic conditions of liability for water damage. - Basic conditions of liability for damage to specially protected species (biotopes). - Basic conditions of liability for damages caused as a result of damage to the forest. - Basic conditions of liability for damages caused as a result of damage caused to game animals. • State administration in the field of environmental protection. Subtopics of the seminar: • Functions and competence of the Ministry of Environmental Protection and Regional Development in the field of environmental protection. • Functions and competence of the State

	Environmental Service in the field of environmental protection. • Functions and competence of the nature protection administration in the field of environmental protection. • Functions and competence of the state office of environmental supervision in the field of environmental protection. • Functions and competences of local governments in the field of environmental protection. • Pollution control and prevention. Waste management. Sub-topics of the seminars: • Means of limiting and preventing pollution. • Control of pollution caused by industrial equipment. • Integrated pollution permits. • Concept and types of waste. • Waste management plans. • Disputing waste management permits and their issuance. • The procedure for selecting and determining the waste management site. • Recycling and disposal of waste.
Name of the course	Civil and environmental protection JF_433
ECTS	3 ECTS
Topics to be learned	Current issues in environmental protection
Name of the course	Civil and environmental protection KPUMTK_012
ECTS	3 ECTS
Topics to be learned	Environmental health and protection. Actualities in environmental quality and protection issues in Latvia and the world. Major environmental health and safety issues. Environmental protection legislation.
Name of the course	Civil and environmental protection, first aid KPUMTK_015
ECTS	3 ECTS
Topics to be learned	Environmental health and protection. Current and major environmental health and safety issues. Impact of global climate change. The most important environmental factors, their identification and evaluation (air, water, soil, noise, various pollutions, etc.). Action in mitigation of various aspects of the environment and action in environmental emergency situations.
Name of the course	Civil and environmental protection KPUMTK_016
ECTS	3 ECTS
Topics to be learned	Environmental health and protection. Current and major environmental health and safety issues. Impact of global climate change. The most important environmental factors, their identification and evaluation (air, water, soil, noise, various pollutions, etc.). Action in mitigation of various aspects of the environment and action in environmental emergency situations.

Name of the course	Public health and environmental protection LF_695
ECTS	3 ECTS
Topics to be learned	Environmental pollution, waste sorting. Regulations governing environmental protection.
Name of the course	Green business and the single market of the European Union SBUEK_249
ECTS	6 ECTS
Topics to be learned	Development of skills to create innovations: how to realize innovative ideas and create new solutions to environmental problems.
Name of the course	Environmental health legislation SVUEK_060
ECTS	3 ECTS
Topics to be learned	Analysis of the regulatory enactment system of Latvia on environmental health issues.
Name of the course	Management of economic security JF_439
ECTS	3 ECTS
Topics to be learned	Sustainable Development and Security: An Environmental Perspective.
Name of the course	Sustainable social entrepreneurship LUSDK_232
ECTS	6 ECTS
Topics to be learned	The need for social change in the world and the new models for implementing sustainable social change.
Name of the course	International organizations PZK_161
ECTS	7.5 ECTS
Topics to be learned	UN Sustainable Development Goals: Achievements and Future Prospects. Literature discussion. Paper presentations.
Name of the course	Business in the European Union SBUEK_233
ECTS	6 ECTS
Topics to be learned	Climate change-related factors affecting consumer behavior. Sustainable consumer behavior. Corporate social responsibility.
Name of the course	Green business strategy and disruptive innovations SBUEK_243
ECTS	4.5 ECTS

Topics to be learned	• Green business trends and organizational change management. • Types of innovation: sustainable and disruptive innovations.
Name of the course	Nutrition policy and food legislation SUUK_104
ECTS	3 ECTS
Topics to be learned	• Environmental and food sustainability in the global, European and Latvian context. An insight into the current affairs of the WHO European Office in the field of nutrition. Review of current programs related to nutrition policy of the European Commission. The role of the nutrition specialist in the implementation of the nutrition policy of the European Union. Food product reformulation, labeling policy, HFSS food in the context of a nutritionist's activity. • Principles of forming the nutrition policy of the Republic of Latvia. Public health guidelines 2015-2020. evaluation for the year. 2021-2027 of the new guidelines review of goals and implementation mechanisms. The experience of other European countries and the mechanisms they use in promoting healthy food and promoting consumption. The direction of environmental and food sustainability in nutrition policy.
Name of the course	International organizations SZF_053
ECTS	6 ECTS
Topics to be learned	UN Sustainable Development Goals: Achievements and Future Prospects. Literature discussion. Paper presentations.
Name of the course	Pedagogy for environmental and health sustainability VPUPK_346
ECTS	3 ECTS
Topics to be learned	Pedagogy and education for environmental sustainability.