

**Šiaulių valstybinė kolegija / Higher Education Institution
(LT SIAULIA03)**

APPLICATION FOR EXCHANGE STUDIES / TRAINEESHIP

Factsheet

Autumn semester's List of Erasmus+ subjects for academic year of 2024-2025

Prepared on March, 2024

ŠIAULIŲ VALSTYBINĖ KOLEGIJA / HIGHER EDUCATION INSTITUTION

2024-2025 a.y. Autumn semester

FACTSHEET

TITLE	ŠIAULIŲ VALSTYBINĖ KOLEGIJA
Country / Code	Lithuania / LTU
ERASMUS code	LT SIAULIA03

Contact Information

Postal Address	Šiaulių valstybinė kolegija, Aušros av. 40, 76241 Šiauliai, Lithuania
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Academic Information

Language of Instruction	Lithuanian, English, Russian
Application procedures for Erasmus+ studies / traineeship	https://forms.gle/5WzxyToVKWV6cMcr7
Information about Programs	https://www.svako.lt/en/exchange-studies/erasmus-plus/courses-for-incoming-students
Credits generally required for one semester of studies	30 ECTS (Select at least 15 ECTS of subjects from one Department)
Transcript of Records and Certificate	Issued after students complete the semester's exams

Nomination and Application for Exchange Students

Nomination deadlines	15th May for Autumn semester 15th November for Spring semester
Application deadlines	15th June for Autumn semester 20th December for Spring semester
Regarding Nomination and Application deadlines please write by e-mail: iro@svako.lt	

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Application procedure	<ol style="list-style-type: none">1. Sending institution selects the Exchange students and sends the nominations (name, duration, field of studies, and email address of the nominated students) by email to iro@svako.lt2. All nominated students will receive information on how to apply for exchange students after receiving nomination from the sending institution.3. Students complete the application form and Learning agreement for studies / traineeship, print them out, sign them and send the SCAN by email to iro@svako.lt4. Upon receiving the Application documents we will process the admission.
Documents required for incoming Exchange students	<ol style="list-style-type: none">1. Application form2. Online Learning Agreement (https://learning-agreement.eu/) or Traditional Learning agreement for studies / traineeship
Application documents	https://svako.lt/en/international-relations/erasmus-plus/admission-procedure-for-incoming-student-mobility

Additional documents (for Acceptance and Visa Application)

Documents issued for Incoming students	<ol style="list-style-type: none">1. Invitation letter – issued after receiving the application form. This letter will be addressed for the University.2. Acceptance letter – issued after receiving the Learning agreement for studies / traineeship. This letter will be addressed for the University.3. Tarpininkavimo raštas (English – Meditorial letter) – issued after receiving copy of student passport. The Meditorial letter will be issued no earlier than 15th June for Autumn semester / 15th December for Spring semester. Meditorial letter contains information about student's studies, place of birth, Home address, accommodation address in Lithuania.
Application	All documents should be sent as a SCAN by email.

Academic Calendar

Autumn Semester	23-09-2024 – 31-01-2025
Spring Semester	10-02-2025– 30-06-2025

Housing

Student Dormitory

Address	M. K. Čiurlionio 20, Šiauliai
Website	https://svako.lt/en/accommodation-4

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Accommodation costs per month	130 Euros
Accommodation includes	Kitchen, kitchen ware, shower, bed linens, cloths, towels, wi-fi, etc.
Accommodation application	Students mark the necessity for accommodation while completing the Application form

Additional information

Upon their departure students will receive:

Departure

1. Certificate with the dates of mobility
2. Transcript of Records – the Receiving institution’s form of TOR concerning the exams taken at the SSC

	ECTS	Local	Definition
Grading system	A	10	EXCELLENT - outstanding performance with only minor errors
	B	9	VERY GOOD - above the average standard but with some errors
	C	8	GOOD - generally sound work with a number of notable errors
	D	7	SATISFACTORY - fair but with significant shortcomings
	E	6	SUFFICIENT - performance meets the minimum criteria
	E	5	SUFFICIENT - performance meets the minimum criteria
	FX	4	FAIL - some more work required before the credit can be awarded
	FX	3	FAIL - some more work required before the credit can be awarded
	F	2	FAIL - considerable further work is required
	F	1	FAIL - considerable further work is required
	NP	-	NOT PARTICIPATED – student did not participate in the class

Business and Accounting Department

Faculty of Business and Technology

Suitable for: Accounting, International Business study programme

Subject	Language	No. Credits	Content	Study programme
Management	English / Russian	5	1. The essence of management. Development of management theories. 2. Classic and new managerial theories. Modern management theories: the methodology of the systematic mind activity, ontopsychology, coaching, neuro-linguistic programming 3. The conception of the organisation. Diversity of business organisation forms, peculiarities of business branches. External and internal factors of the environment of organisations. 4. Essence and classification of management functions. 5. Planning function: the planning process, management levels and hierarchy of plans, periodicity of planned activities. 6. Organizational function: the essence of organising, the management structures of the organization, delegation, organisation of management. 7. Management function: management style, management methods, motivation, conflict management, management of changes. 8. The control function: the importance of control, preconditions of control, control systems. 9. Managerial decisions: the decision-making process. 10. Teamwork: the conception of teamwork, individual, team and group activities. The team building process.	International Business
Financial Accounting	English	6	1. Accounting policy of the enterprise. The essence of accounting policy. The content of financial accounting policy. Disclosure of accounting policy. Changing of accounting policy. Essence and changing of accounting estimates. 2. Accounting of income and costs. Essence of purchase and sale processes. Key accounting indicators. Ways of continuous and periodical accounting of stock. Stock valuation methods.	Accounting

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Basics of Finance			Recognition and accounting of income. Recognition and accounting of costs. Registration of the value added tax in accounting. 3. Accounting of long-term assets. Features of attribution of assets to long-term assets. Grouping of long-term assets in the balance sheet. Accounting of long-term intangible assets. Accounting of long-term tangible assets. Accounting of long-term financial assets. Accounting of biological assets. 4. Accounting of short-term assets. Concept and classification of short-term assets. Accounting of stock. Accounting of one-year receivables. Accounting of monetary assets. Deferred costs and accrued income. 5. Accounting of equity capital. The essence and composition of equity capital. Accounting of capital. Reserves. Calculation and distribution of earned profit. 6. Accounting of liabilities. Essence and types of liabilities. Dotations and subsidies. Provisions. Accounting of financial debts. Employment related liabilities. Accrued costs and deferred income. 7. Financial accountability. Preparation of the set of financial statements. Events after the reporting period. The content of the annual report and preparation procedure. 8. Harmonisation of calculation of taxes and their accounting with financial accounting. The essence and reasons of differences between financial and tax accountability. Accounting of permanent and temporary differences.	
	English / Russian	4	1. Essence and role of finance. Definition of the origin of finance. The object of the science of finance. Development of the science of finance. Finance theories. Finance functions, composition and role. Monetary resources of economic entities and state. 2. The system of finance. The concept, functions of the system of finance. Operational motives of the system of finance. Functioning of the system of finance. Financial management institutions and their functions. Finance policy and finance management. 3. State budgetary system, non-budgetary funds. Description of the budget. Historical development of the budget. Origin, essence, functions of the budget, structure, principles of the budgetary system. Budget making forms, the process, stages of the budget, revenue and expenditure of state budget. Non-budgetary funds: concept, functions. Essence and functions of state finance management, state finance management institutions. 4. Cash. The time value of money. The concept of cash flow and discounting of cash flow. The present, the future value. Single and periodic cash flows. Interest calculation methods. 5. The credit system and financial institutions. The Bank of Lithuania and its role in the credit system. International financial institutions. Functions and operations of commercial banks. Activities of Lithuanian Central Credit Union. Credit unions, their activities and functions. Activities of payment institutions. Essence and necessity of credit, functions of credit. The credit system and its operation. Forms and types of credits. Principles of credits. Interest and the cost of credit. The loan recovery plan. The system of credit institutions. Assessment of bonds and shares.	Accounting
Financial Analysis	English / Russian	7	1. The significance of financial analysis and its place in the management system of the enterprise. 2. The object, types, ways of the financial analysis, accountability and its analysis. 3. Absolute financial indicators, their classification, assessment and provided information. Dynamic and structural analysis of financial statements. 4. Relative financial indicators, their classification, assessment and provided information 4.1.	Accounting

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International Accounting Standards			Profitability indicators 4.2. Performance efficiency indicators and their analysis 4.3. Solvency indicators (short and long term) and their analysis 4.4. Capital market indicators and their assessment 4.5. Cash flow indicators and their calculation 4.6. The analysis of probability of bankruptcy of the enterprise, performance continuity and development 5. The essence, aim, objectives, functions, decision-making areas of finance management. 6. Management of current assets (working capital, stock, account receivables, cash) 7. Management of financial resources and property of the enterprise. Price of equity capital and debt capital. 6. Evaluation of investment projects 7. Management of risk of financial activities	
	English	3	1. Basics of preparation and presentation of international accounting standards: IAS Board and its functions. IAS structure, updating and approval procedure. IAS application area and power. 2. Accounting policy, changes and mistakes of accounting estimates: selection application and modification of accounting policy, changing of accounting estimates. Correction of mistakes of the previous period. 3. Accounting of assets according to IAS: real estate, equipment and machinery. Intangible assets. Long-term held for sale. Stock. Investment assets. Agriculture. Reduction of value of assets. 4. Accounting of income and costs according to IAS: Income. Construction contracts. Rent. Borrowing costs. Impact of changes in foreign exchange rate on results. 5. Accounting of liabilities according to IAS: disbursements for employees. Accounting of state dotations and disclosure of state support. Profit taxes. 6. Accounting of financial instruments according to IAS: Investments in associates. Financial instruments: recognition and assessment. Consolidated and separate financial statements. Earnings per share. Share-based payment. 7. Preparation and presentation of financial statements: application of IAS for the first time. Submission of financial statements. Events after the balance sheet date. Submission of financial statements. Cash flow statements. Interim financial accountability. Operating segments.	Accounting
Management Accounting	English / Russian	5	1. The concept and principles of management accounting. The demand for management information. The functions of management accounting, 2. The basics of cost accounting. Methodology of cost evaluation process. Complete and partial cost price. Implementation of management accounting system in a company, 2. The basics of cost accounting. Methodology of cost evaluation process. Complete and partial cost price. Implementation of management accounting system in a company, 3. The systems of product cost accounting. Job-costing accounting system. Process-costing accounting system, 4. Management accounting for decision grounding. The concept of profit and marginal profit. The analysis of activity extent turning- point. Target profit and target activity extent. Price substantiation. Target pricing. Price under inflation conditions. The analysis of price policy, 5. Management decision grounding cases. Evaluation of unprofitable product or activity. Evaluation of production alternatives. Evaluation of material replacement effectiveness. Selection of technological option, 6. Basics of budget development. The essence of budgets, relation with company strategic goals. Budget development organization. Budget structure and forecasting methods, 7. Budget development and control. Development of activity budget system. Financial budget	Accounting

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Establishment and Control of the Budget			development. Budget implementation control and deviation analysis, 8. Modern cost accounting systems. TOC system. ABC system	
	English	3	1. The essence of budgets, the link with the strategic aims of the organization. Basic concepts. Links between the strategic plan and budgets. Principles of budget making and its organisation. 2. Structure of budgets and forecasting methods. The architecture of the budget system. Forecasting methods. Assessment of the performance risk. 3. Organization of budget preparation. Preparation of procedures for budget making and implementation. Appointment of responsibility centres and responsible persons. Schedule of preparation. 4. Setting of the financial plan. Stages of setting up the plan. Identification of the demand for funding. Methodology of distribution of financial resources. 5. Setting up the system of production budgets. Peculiarities of setting up. Preparation of sales and revenue budgets. Preparation of production budget. Preparation of budget of non-production costs. Practical work in the classroom. 6. Financial budgets. The budget of performance results. The budget of cash flows and its balancing. Creation of the prognostic budget. Practical work in the classroom. 7. Control of implementation of budgets. Internal control procedures setting up budgets. The analysis of deviations of budget implementation.	Accounting
Business Ethics	English	3	1. The concept and theories of ethics. The concept of ethics and professional ethics. Professional principles and values. Theories of ethics. 2. Moral and social responsibility of the organisation. Moral and social responsibility of the organization. The concept of social responsibility. 3. Problems of ethics and their solution. The concept of the problem of ethics. The analysis of the problem of ethics. The ethical decision-making process. 4. Codes of Ethics. Aims and structure of Codes of Ethics. The concept and aims of the Code of Ethics. Form and content of codes. Administration of codes. Advantages and disadvantages of codes, their importance. The content of the Code of Ethics of professional accountants. 5. Organisation of business communication. Organisation of negotiations, meetings, conferences. Business etiquette. Requirements of business etiquette. 6. The ethics of negotiations. Motivation of unethical behaviour. Manifestation of unethical behaviour. Consequences of unethical behaviour.	Accounting
Finance and Investment Management	English / Russian	6	1. The essence and principles of finance management. Finance management functions, importance and essence. Interaction of business strategy and finance management. The principles of finance management, 2. External and internal finance management environment. General analysis of economical environment. Branch analysis. Company analysis, 3. Company finance planning and forecasting. The process of financial forecasting, planning and control; financial forecasting , its principles and models, 4. Company asset management. Cash management; stock management; debt management; working capital management, 5. The price of capital. Capital expenses: equity capital and borrowed capital (cost/price) calculation technique; weighted– average cost of capital (WACC) calculation technique, 6. Company value management. Models of company. The factors of company value. Market value added. Economic value added, 7. Company funding resources. The relation between funding resources and capital. Own funding resources. Borrowed long–term and short–term funding resources, 8. Capital structure formation and	Accounting (Finance)

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Financial Markets			management. The concept of capital structure. The impact of industry branch upon capital structure. Corrected current value. Capital structure management and its effect on company value, 9. Risk and profitability. The concepts of risk and uncertainty. Risk factors and their classification. Valuation of portfolio effectiveness, 10. Business investment valuation. Long-term investments and their classification; investment valuation methods; the period of investment pay off, net current value, internal rate of return, modified internal return rate, 11. Business investment risk management. The process of investment risk management; methods of investment risk valuation: sensibility analysis, reliability equivalents, scenario analysis, probability method,	
	English / Russian	6	1. The concept of financial markets, importance and classification. The functions and role of financial markets in economy. The theories of financial markets. Financial asset, its characteristics. Flow of funds in financial markets, direct and indirect financing. Participants of financial markets. Classification of financial markets, 2. Functioning and regulation of financial markets. Financial markets regulation mechanism. Financial markets regulation in the EU , 3. Securities and other financial instruments. Conception of securities and financial instruments. The characteristics, evaluation of liability, equity and derivative financial instruments. The dependence of the price of a security upon its characteristics. The methods of setting the value of securities. The ways of circulation, trading and settlement, 4. Financial intermediaries, peculiarities of their activity. Financial institutions in Lithuania. Depository and non-depository financial institutions. Investment funds. Types of investment funds according to their portfolio and risk. The concept and types of investment companies. Alternative investment funds, . Securities portfolio formation and management principles. Securities portfolio formation stages. The process and management principles of securities portfolio. Optimal portfolio selection techniques. Profitability, risk and liquidity of securities portfolio. Overall and systemic risk indicators	Accounting (Finance)
Economics	English / Russian	6	Introduction to Economics. Concept, object, problem of economics and systems of economics. Laws of economics. Role of State in Economics, 2. Concept of market mechanism. Market concept and functions. Markets for goods (services) and resources. Demand and supply, market equilibrium. Demand and supply elasticity, 3. Consumer behavior. Satisfying user needs. Marginal utility theory, consumer indifference theory, Engel's law, Gifen's paradox, 4. Production theory and production costs. Production Resources, Production Function and Production Resources Market, Company Production Results. Classification and calculation of production costs, production cost curves and company production development curves, 5.Type of market structure and competition. Features of perfect competition, monopoly, oligopoly, monopoly competition and their peculiarities. The essence of competition and its impact on business, 6. Macroeconomic indicators. Basic macroeconomic indicators and their calculation. Economic Fluctuations, 7. Fiscal and Monetary Policy. Essence and means of fiscal and monetary policy, 8. Labor market and unemployment. Problems of labor market functioning, types of unemployment and inflation, relation between inflation and unemployment, 9. International economic relations: international trade regimes,	International Business

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International Sales Management			international trade regulation measures. Currency Market, 10. Economic Growth: Economic Development Cycles. Impact of the economic situation in the country and the world on business decisions	
	English	5	1. The concept of international sales management. International Business and Globalization. Essence of Sales Management, Functions Importance of International Sales Planning. Quantitative and qualitative indicators of sales efficiency. International sales operations 2. International trade agreements, international agreements. Types of Preferential Trade Agreements and Economic Analysis. Trade Agreements. International treaties3. Searching for foreign markets and trading contacts. Foreign market (export) customer and search methods. Establishing trade contacts between exporters and importers. Sales and Negotiation Techniques, 3. Sales Strategies. Concept of sales strategy. Groups of Sales Strategies: Intensive Growth, Diversified Growth, Vertical Integration Strategies. Formation, selection and factors of sales strategy, 4. Sales tactics. Types of Sellers and Buyers. Business to Business Sales (B2B) Process. Selling Business to Consumer (B2C) Process. Selling Business to State (BG) Process. Similarities and differences in sales processes with regard to process speed, number of receivers, simplicity, uniformity of orders, 5. International sales (export) planning. Organizational forms and methods of export operations, distribution channels. Investigations into the way in which a particular export product enters the market Foreign Market Selection Model. Evaluation of Export Product Competitiveness, 6. Evaluation of Export Economic Efficiency. Export efficiency indicators. Export revenue and cost analysis.	International Business
	English / Russian	4	1. The innovative process. Innovation concept. Innovation classification. Innovation implementation. 2. The project concept. The project concept. Project classification and characteristics. Project life cycle. 3. Project development. Choosing idea. Planning. 4. Project management. Event management. Information and environmental management. Cost and risk management. The project team. 5. Financing of the project. Methods. Sources. Funding organization. 6. Procurement. Concept. Legal regulation. Participants and purchasing methods. Treatment planning, organization and execution. 7. Project proposal. Preparation of the application. Application forms. Evaluation of application. Successful design criteria.	International Business
International Marketing	English	5	1. Concept of international marketing. Concept, aim, tasks and functions of marketing and international marketing. Types of marketing. Types of International Marketing, 2.International Marketing Environment. Marketing Environments. Microenvironment of International Marketing. The macro-environment of international marketing. Organization of research on international marketing environment, 3. International markets and their segmentation. The market. Market segmentation, international market segmentation methods. International markets and their selection. Positioning. Market research, 4. Element of international marketing complex product: classification of goods, analysis of structure of product assortment, creation of new goods, product life cycle, identification, packaging, peculiarities of international trademarks. Product development and customization for users of international markets, 5. Element of international marketing complex price: setting price targets, market impact on price, pricing methods, pricing strategies. International pricing models, export pricing factors, export pricing, export pricing strategy. Pricing Policy Making for International Markets, 6. Elemental Distribution of International Marketing Complex: Distribution Channels and Marketing Logistics, Introduction to INCOTERMS 2017, Retail and Wholesale. International Distribution	International Business

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Audit and Internal Control System			Channel Structure, Channel Configurations by Product Types, Channel Variables, Mediator Types, Export Mediator Selection, E-Commerce. The concept of export, export operations through intermediaries and directly, types of intermediaries in the domestic market. Organization of export operations, 7. Element of international marketing complex: promotion concept, strategy, personal selling, sales promotion, promotion, advertising, public relations. Means of international communication. Factors determining the promotion strategy in foreign markets. Planning an International Sponsorship Company. Execution and Effectiveness of an International Sponsorship Campaign	
	Russian	5	1. The audit system. The appearance and classification of audit. The concept, aims, objectives and functions of the audit system. Internal and external control types. Professional organizations of audit and accounting and their activities. 2. International and national regulation of audit. State audit regulations. Independent audit regulations. Internal audit regulations. Activities of auditors and audit enterprises. 3. Stages of audit performance. Planning of audit, collection of preliminary information, identification of risk areas, collection and assessment of evidence, formalisation of audit results, follow-up activities. 4. The object of audit, evidence of audit and their assessment. The object of audit, classification of audit evidence, features of audit evidence, procedures of collecting audit evidence, the auditor's work documents. 5. The selection of audit and risk of audit. The essence of audit selection, ways of audit selection and types of audit, description of audit risk, classification and assessment of audit risks. 6. Areas of financial accountability audit. Assessment of suitability and sufficiency of the accounting system. Audit of the most important clauses of financial statements. 7. Formalisation of audit results and follow-up activities. Control of performed audit. The auditor's conclusions and preparation, reconciliation and presentation of the draft report. Plan of measures for implementation of recommendations, control of its implementation. The auditor's consultations. 8. The internal control system. The concept and functions of internal control. Importance and necessity of the internal control system. Principles and stages of creating the internal control system. The structure of the internal control system. Financial control. 9. Assessment of the internal control system. Consistency of assessment of the internal control system. Methods of assessing the internal control system. The influence of the elements of the internal control system on the activities of the enterprise.	Accounting

Management and Communication Department

Faculty of Business and Technology

Suitable for: Office Administration, Organisation Communication and Marketing, Production and Logistics, Information Management ¹ study programmes

Subject	Language	No. Credits	Content	Study programme
Business Russian	Russian	3	The course is designed to develop the communication skills of the business language and develop business vocabulary for students with B2 - C1 level knowledge of Russian . Key topics: 1. Oral and written business communication etiquette. Business language etiquette. Business conversations over the phone. Business correspondence. Business ethics. Intercultural communication. 2. Information management. Organization of business meetings: presentations, projects, fairs, exhibitions. Business travel. Company representation. 3. Employment. Job Advertisements. Employment documents (CV, cover letter). A job interview.	For all study programmes
Entrepreneurship and Leadership	English / Russian	4	To gain the knowledge and skills, enabling to realize today's entrepreneurial and leadership importance and essence; to develop entrepreneurial and leadership competencies; to apply them in professional and personal activities in dealing with multi-cultural business partners and customers.	For all study programmes
International and Intercultural Communication	English / Russian	4	To acquire knowledge about the influence of globalization on modern organization communication, the main peculiarities of international and intercultural communication, theories, principles of intercultural communication and negotiation, to develop skills to apply them in the global environment. During the workshops tolerance to other nations and cultures is developed, possibilities of acceptance and recognition of different cultures and reduction of cultural shock are explored.	For all study programmes

¹ Double Diploma Degree study programme with Porto Polytechnic Institute (ISCAP), Portugal

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Applied Research Methodology	English / Russian	4	The essential principles of applied research methodology; purpose, goals and objectives of applied research; preparation of the research plan and design, selection of the appropriate theoretical and practical research methods to study the formulated problem; process, submit and justify reliable data necessary for decision making	For all study programmes
Social Media	English	4	The course is designed to build practical skills in using social media. Theoretical sessions compare social media with each other, identifying their advantages and disadvantages. Practical sessions analyse the communicative aspects of social media, evaluate them and create information products.	Office Administration, Organisation and Marketing
Professional Foreign Language (English)	English	3	The course is designed to develop communication skills and build professional vocabulary: Production and Manufacturing. Materials and Suppliers. Supply Chain. Inventory. Material Handling Systems. Material Handling Equipment. Storage Equipment. Material Transport Units. Safety Issues, etc. The course requires B1 - B2 CEFR level.	Production and Logistics

Engineering Sciences Department

Faculty of Business and Technology

Suitable for: Construction, Automatics and Electrical Engineering, Production Engineering, Motor Transport Electronics

Subject	Language	No. Credits	Content	ISCED code for study programme
Applied mathematics	English	6	1. Operations with matrices. 2. Systems of linear equations. 3. Differential and integral calculations. 4. Complex numbers.	Automatics Electrical Engineering / Automotive Electronics / Construction / Production Engineering / Technocal Exploitation of Automobiles
Electric Drives	English/ Russian	3	1. Electrical calculation of electric drives. 2. Mechanical calculation of electric drives. 3. Selection of eelectric drives.	Automatics Electrical Engineering / Production Engineering
Electrical Drive Control System	English/ Russian	6	1. DC motors control. 2. AC one phase end three phase motors control. 3. Servo motors control. 4. Design a drive control system using PLC, frequency converters, HMI.	Automatics Electrical Engineering / Production Engineering
Construction of Automation Modules	English	5	Methods of installation of automation elements and factors that may influence their functionality. PCB manufacturing technologies. Peculiarities of installation of automation and electronic elements on printed circuit boards. Technological documentation required for the production of a printed circuit	Automotive Electronics / Automatics Electrical Engineering

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Basics of Robotics			board. Documentation preparation using Autodesk Fusion (Eagle) CAD software. Circuit diagram conversion to Eagle CAD environment. Eagle CAD component databases. Routing of PCB tracks between automation elements in Eagle CAD environment. Eagle CAD library design.	
	English	4	Industrial robots. Mobile robots. Autonomous Mobile Robots. Power sources for mobile robotic systems. Energy conversion and control in robotic systems. Programmable robot controllers	Automotive Electronics / Automatics Electrical Engineering / Software Engineering / Information System Technologies
Building Maintenance	English/ Russian	3	1. Facility maintenance. 2. Evaluation of the condition of the structures of buildings. 3. Organization of maintenance of buildings. 4. Essential requirements for buildings. 5. Fire safety of buildings. 6. Technical expert examination of the building. 7. Wear of buildings.	Construction
Building Materials	English/ Russian	9	1. Standards and quality control of building materials. 2. The main properties of building materials and their indicators, formulas, units of measurement. 3. Materials and products from natural stone. 4. Ceramic products for buildings. 5. Building metals and products. 6. Inorganic binders.	Construction
Technology of Construction Work	Russian	6	1. Surface finishing work. 2. Landscaping works. 3. General knowledge of building repair and reconstruction works. 4. Rationing and estimates. 5. Course project. Subject is recommended for second year students.	Construction
Organization of Construction Work	Russian	3	1. Basics of organization of construction. 2. Logistic support of construction. 3. Preparation of construction technology and organization documentation. 4. Scheduling. 5. Network scheduling. 6. Self-study 7. Organization of flow construction. 8. Management of quality of building production. 9. State regulation of construction.	Construction

Transport Engineering Department

Faculty of Business and Technology

Suitable for: Technical Exploitation of Automobiles, Transport Logistics Technologies

Subject	Language	No. Credits	Content	ISCED code for study programme
Enviromental and human safety	English	3	The subject of environmental and human safety aims to: provide knowledge about the main legal requirements of environmental and work safety, develop skills in formalizing documents, instructing employees and investigating accidents; analyze the relationships between individual elements of the environmental protection system; assess the anthropogenic impact on individual elements of the biosphere.	Transport Logistics Technologies / Technical Exploitation of Automobiles
Eco driving	English	3	The benefits of eco-driving (safety, environmental protection, finances, social benefits), will know how to use the car correctly, when to switch gears, how to accelerate correctly, what to do on uphill and downhill, how to take care of the car, when it is necessary and not necessary to use electrical devices.	Transport Logistics Technologies / Technical Exploitation of Automobiles
Transportation of passengers	English	5	To provide knowledge about passenger transport infrastructure, legal regulation of transport activities, to develop practical abilities to organize and evaluate the technological process of passenger transport.	Transport Logistics Technologies
Road vehicles	English	6	After completing this subject, students will know several types of vehicles, analyze the main technical data of cars. Will carry out dismantling works of car structures and get acquainted with their operation.	Transport Logistics Technologies / Technical Exploitation of Automobiles
Specialized cars	English	3	The subject of specialized cars aims to: provide knowledge about the classification, construction and principles of operation of specialized cars.	Transport Logistics Technologies /

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				Technical Exploitation of Automobiles
Transportation of dangerous goods	English	6	Students will be able to analyze the technological process of transporting dangerous goods, solve the tasks of organizing the international transportation of dangerous goods.	Transport Logistics Technologies
	English	5	The aim of the subject of international logistics is to form a system of theoretical and practical knowledge of international logistics, to develop practical abilities to analyze international logistics channels and to organize the transportation and storage of international cargo.	Transport Logistics Technologies
International logistics	English	5	The aim of the subject of international logistics is to form a system of theoretical and practical knowledge of international logistics, to develop practical abilities to analyze international logistics channels and to organize the transportation and storage of international cargo.	Transport Logistics Technologies
Transport system	English	3	To provide knowledge about the functional and physical components and services of the transport system, to analyze the technical operational characteristics of vehicles.	Transport Logistics Technologies / Technical exploitation of Automobiles
Cargo loading technologies	English	6	To provide the ability to organize loading work, to evaluate the loading technologies of individual types of cargo, to analyze the mechanisms, machines and tools used for this purpose, to organize the securing of cargo.	Transport Logistics Technologies
Engineering and computer graphics	English	4	Learn to draw, understand drawings, apply European standards. To develop logical and spatial thinking while learning. Create and edit drawings using the AutoCAD program	Technical exploitation of Automobiles / Automotive Electronics
Automobile Electric and Electronic Equipment	English	5	The subject is for students to acquire the knowledge and skills in the construction and operation of car electrical equipment. During the study students will analyze the ignition system, gasoline injection, antilock braking and other electronic systems, the items of electronics, and assess the results of the measurements obtained. Students will analyze the functioning of the electrical system, check and assess performance parameters.	Automotive Electronics / Technical exploitation of Automobiles
Engine Management Systems	English	6	The subject is for students to acquire the knowledge and skills of the petrol and diesel engine systems. During the study students will analyze continuous, periodic, Otto engines, combined, direct injection power systems and the principles of operation, the distribution, battery systems of the diesel engines. Students will determine the troubles of power and ignition systems. Students will select the repair techniques for the power and ignition systems.	Automotive Electronics / Technical exploitation of Automobiles
Automobile Diagnostics	English	4	The subject is intended to acquire knowledge and skills in the technical requirements and technologies of car diagnostics, technological equipment, technological process and diagnostics of car body, engine, transmission, brakes, chassis, comfort systems. Diagnostic parameters are measured and analyzed during the studies of the subject. Uses information networks and databases for car diagnostics	Automotive Electronics / Technical exploitation of Automobiles
Smart Automobile Systems	English	3	Upon completion of this course students will gain specialty knowledge about the main modern smart automobile systems, analyze smart automobile system performance principles, future trends; the impact of smart automobile systems on the driver's work and safety.	Automotive Electronics

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Automobile Comfort Systems	English	3	Upon completion of this course students will analyze automobile comfort system operating principles, specific features of application; the impact of comfort systems on a driver's work and safety; develop practical skills – detect comfort system faults and apply repair techniques.	Automotive Electronics
Automatic Transmission Management Systems	English	6	To provide specialty knowledge of electronic automatic transmission systems in cars and trucks, the principles of operation; to analyze electronic system key parameters and characteristics in automotive automatic transmission mechanisms.	Automotive Electronics
Braking Control Systems	English	6	Upon completion of this course students will be able to analyze key parameters and characteristics of cargo and passenger vehicles brake management systems, examine principles and structures of electric signal reception and processing devices performance.	Automotive Electronics
Automobile Maintenance	English / Russian	4	1. General requirements for automotive technical maintenance; 2. Vehicle exploitation characteristics and exploitation indicators; 3. Selection of car technical maintenance and current repair technological equipment; 4. Technical requirements for automotive technical maintenance and car technical maintenance technology; 5. Technical maintenance quality control.	Automotive Electronics / Technical exploitation of Automobiles / Transport Logistics Technologies
Technical Mechanics	English/ Russian	4	Statics. Systems of spatial forces. Kinematics and dynamics. The resistance of materials. Machine elements.	Technical Exploitation of Automobiles / Transport Logistics Technologies / Production Engineering /Automatics and Electrical Engineering

Informatics Sciences Department

Faculty of Business and Technology

Suitable for: Software Engineering, Information System Technologies, Multimedia Technologies

Subject	Language	No. Credits	Content	Study programme
Statistics	English	4	Calculations, using of special software	For all study programmes
Information Technologies	English/Russian	3	To know the usage of computers and modern tools of information and communication technology in various areas; to be able to legally and systematically process information using tools and methods of information technology. Information search strategy and management of results. Perception and identification of the demand for information. Planning of information search. Search for targeted information through online portals and databases. Search for legal information. Document templates, forms, footnotes. Management of high volume documents. Structure of the document. Formation and updating of the content, making and updating of pictures and tables lists. 2. The technology of designing and managing documents with calculated elements. Data formats, their editing, input control. Creating and editing of a table. Its designing and saving. Use of functions and formulas. Logical, lookup and reference, text, date and time functions. Designing and editing of charts. Data sorting, filtering of lists. Cumulative intermediate calculations. Dynamic summaries of a list.	For all study programmes
Discreet Mathematics	English	6	To acquaint with theories of sets, combinatorics, mathematical logic, graphs and coding, to analyze discrete objects and structures, to form the ability to analyze real processes and phenomena, to form their discrete mathematical models, to develop the ability to apply known algorithms for solving practical problems, implementation principles and methods.	Software Engineering/ Information System Technologies

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Database Management	English	6	To provide knowledge about database management systems (DBMS), their structure, classification and main functions. Develop the ability to process data flows, design databases and correctly select DBMS according to the needs store data, their quantity.	Software Engineering/ Information System Technologies
Internet Systems Programming	English	9	To acquaint with basic IT concepts, W3C requirements for websites and quality of websites model and evaluation criteria, information architecture, website design principles. Introduce HTML, CSS, JavaScript language syntax, SEO optimization basics, principles of working with content management system. Develop the ability to independently design, create, test websites and host on a remote server.	Software Engineering/ Information System Technologies
Graphic design	English	6	Vector and raster image editing.	Multimedia Technologies, for students from other study programmes
Computer Hardware	English	6	To understand processes taking place in the computer, to evaluate and optimally select parameters of constituents of a modern personal computer, performing installation, adjustment, maintenance and repair of the computer and its peripheral equipment. To select hardware and software meeting the needs of the company. To know how to replace the broken electronic components in the computers, to acquire practical work skills with soldering equipment. 1. The concept of information system, basic concepts and components. The structure of the personal computer, portable computers, the structure, parameters of main components. Internet of things. 2. Peripheral equipment of the computer, upgrading of the computer according to the user's needs, adjustment of equipment. 3. Testing of the computer and its components, failure detection, removal and prevention. 4. Servers and other modern computer equipment.	Software Engineering/ Information System Technologies
Operating Systems	English	6	To be able to install and configure operating systems of Unix, Linux, Windows families and mobile devices, to solve main management problems of operating systems and software, to administer users, access rights. 1. The concept of the operating system (OS), basic concepts, interfaces, processes, threads, memory allocation, file systems. The concept, components, properties of the information system. 2. Management of Windows family operating systems. 3. Management of Linux family OS. 4. Management of Unix family OS. 5. OS of mobile devices. The concept of virtual and real-time OS.	Information System Technologies
Basic of Algorithmization	English	6	To provide knowledge about the principles of creating algorithms, their operation, applying mathematical data structures and functions, forming abilities to rationally select, construct and analyze algorithms of various structures, to develop skills for solving practical tasks.	Software Engineering/ Information System Technologies/ Multimedia Technologies

Rehabilitation Department

Faculty of Health Care

Suitable for: Physiotherapy study programmes

Subject	Language	No. Credits	Content	Study programme
Health Project Management	English	4	The subject is designed to acquire skills in the preparation of projects in the field of health. During the theoretical sessions, the concept of business and management is explored, the mechanisms of EU structural funds investment and innovation implementation are analyzed, the characteristics and classification of projects are discussed. During the practical sessions, the skills of generating and selecting project ideas are developed, the project goal and results are formulated, the project team is formed, the project activities implementation schedule, budget, and dissemination strategy are prepared. Intermediate settlements are intended for the consolidation of theoretical knowledge and the search and selection of targeted information.	Physiotherapy
The Basics Of Massage	English	3	The subject is designed to form the skills of creating and performing a massage procedure plan in order to support, train, restore or compensate the person's movement functions. During the theoretical classes, the goals of classical and therapeutic massage are analyzed, the effects on the body, the possibilities of choosing and applying massage methods are described. During the practical sessions, the skills to technically perform the massage procedure are developed in order to develop, maintain and/or restore the optimal physical and functional capabilities of the person. Intermediate settlements are aimed at consolidating theoretical knowledge and practical skills.	Physiotherapy
Methods Of Physiotherapy	English	8	The subject is intended to form the skills of choosing and performing physical therapy methods in order to support, develop, restore or compensate a person's movement functions. During the theoretical classes, the goals of physiotherapy methods are analyzed, the possibilities of choosing and applying physiotherapy methods and the tools used for the performance of physiotherapy methods are described. During the practical sessions, the ability to technically perform physiotherapy methods is developed in order to develop, maintain and/or restore the optimal physical and functional capabilities of the person. Intermediate settlements are aimed at consolidating theoretical knowledge and practical skills.	Physiotherapy

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PHYSIOTHERAPY (INTEGRATED PRACTICE)	English	6	The subject is aimed at acquiring knowledge of physiotherapy and the skills of their practical use. During the theoretical sessions, the treatment with artificial and natural physical factors, their therapeutic effect on the body, indications and contraindications for application are reviewed. During the practical sessions, clinical thinking is developed, choosing a therapeutic physical factor and skills in using physiotherapy devices are formed. Intermediate settlements are intended for the consolidation of theoretical and practical knowledge and the search and selection of targeted information.	Physiotherapy
Physical Education	English	3	The subject is designed to form a person's physical activity skills, with the aim of developing character traits adequate for the profession, developing a holistic approach to personality.	For all study programmes
Leisure Time Physical Education	English	3	The subject is designed to provide knowledge about improving leisure sports (basketball, football, volleyball, table tennis, badminton, darts). Develop the skills of fair competition and competition, self-control, communication and cooperation, promoting activity, creativity, and self-expression with the help of sports games.	For all study programmes
Physical Activity and Healthy Lifestyle	English	3	The subject is designed to provide knowledge about the influence of physical culture on people's health and productivity, to develop a modern approach to physical activity, to form a correct attitude to health as a value, and to develop the ability to maintain and strengthen health.	For all study programmes
Football, Table Tennis, Badminton	English	3	The subject introduces the sports of football, table tennis and badminton. It is possible to improve the techniques of these sports. Performing practical tasks and exercises to develop students' knowledge and physical abilities.	For all study programmes
Basketball for Beginners	English	3	The subject is designed to provide an opportunity to acquire the basics of the sport of basketball. Students will be introduced to the history and development of the sport of basketball, basketball terms, rules, and the application of refereeing methodology. Students will develop practical knowledge and physical abilities for beginners in basketball.	For all study programmes
Advanced Basketball	English	3	The subject is designed provide an opportunity to improve in the sport of basketball. Students will learn basketball techniques and tactics. Students will develop and consolidate their awareness of basketball through team actions and combinations. During the exercises, students will get knowledge and physical abilities for advanced basketball students.	For all study programmes
Athletics and Weightlifting	English	3	The subject introduces athletics and weightlifting. Students will improve their technique in athletics and weightlifting by performing practical tasks and exercises and developing physical abilities.	For all study programmes
Volleyball for Beginners	English	3	Students will learn the basics of volleyball and improve in it. Students will familiarize themselves with the history and development of volleyball sport, volleyball terms, rules and application of refereeing methodology. Students will develop practical knowledge and physical abilities for beginners in volleyball.	For all study programmes
Advanced Volleyball	English	3	Students will get the opportunity to develop in the sport of volleyball. Students will learn volleyball techniques and tactics. To develop and consolidate the awareness of the volleyball sport through team actions and combinations. During exercises, students will develop knowledge and physical abilities for advanced volleyball students.	For all study programmes

Social Work Department

Faculty of Health Care

Social Work study programme

Subject	Language	No. Credits	Content	Study programme
Basics of Psychology	English /Russian	4	Concept of Psychology. Cognitive Processes. Emotional and volitional behavior regulation. Personality and social behavior. Personality purposefulness and activity motives. Individual psychological personality traits. Mental health and disorders. Social thinking. Social influence. Social relations. Social roles. Group influence.	For all study programmes
Communication and Conflict Management	English /Russian	4	The concept of communication. Self-image in the process of communication. Social perception. Verbal and non-verbal communication. Individual differences in communication. Listening. Conflicts. Internal personality conflicts. Interpersonal conflicts.	For all study programmes
Social Innovations	English	6	Social programmes. Identification and assessment of the need for the programme. Preparation of leisure programmes. Coordination and implementation of the prevention programme. Project: concept, features, diversity, classification, properties. Non-governmental organizations (NGOs). The role of the team in a non-governmental organization.	Social Work
Integration of the Disabled	English	5	The concept of disability. Work with the disabled. Social and functional integration. Special needs and social problems of the disabled person. Organisation of social rehabilitation. The concept of psychosocial rehabilitation. The social worker's role in the process of psychosocial rehabilitation. Vocational rehabilitation of the disabled.	Social Work
Sociology and Social Problems	English	4	The essence of the sociology. Sociological research. Sociological knowledge. Social processes of society and individual.	Social Work
Этика и ценности социальной работы	Russian	4	Аксиологическая парадигма социальной работы, концепция профессиональной этики, основные принципы социальной работы. Модели принятия этических решений. Универсальность и относительность ценностных ориентаций, применение принципов этики соц работы на практике, решение этических дилемм и проблем и предвидение их моделей принятия решений при оказании социальных услуг в изменяющейся среде.	Social Work