



VERN

**Sveučilište VERN
(VERN' University)**

Zagreb, Croatia

**Course catalogue
English language
Winter semester
2025/2026**

About the Course Guide

Dear incoming student,

We are happy to welcome you to Sveučilište VERN (VERN' University), Zagreb, Croatia. VERN' University is glad to present our Erasmus+ English language course catalogue where you can find the relevant information about the lectures that will be carried out during winter semester in academic year 2025/2026.

Our University is offering lectures in different study fields:

- Entrepreneurship / Economics / Business Administration
- Journalism / Public Relations
- Tourism / Hospitality
- IT.

Within each study program, you will find a list of different courses.

Please note, that you can chose and combine courses from different programs.

You also need to be aware about the prerequisites of each class. Please read all the prerequisites and descriptions carefully.

This course guide is only valid in the mentioned period.

Important:

Due to the large number of courses, for course to take place a certain number of students must apply. In the event that for specific course minimum number of students did not register for the course, the course will be cancelled, and a substitute course will be offered to students. In that case student needs to contact their home University international office and discuss the change of previously selected course.

List of courses:

Study filed	Course offer
Entrepreneurship Economics	1. Basics of Business Psychology and Communication
	2. Basics of Entrepreneurship
	3. Business Administration Software
	4. Business Plan for Entrepreneurship
	5. Dynamic Entrepreneurship
	6. Introduction to Marketing
	7. Management
	8. Microeconomics
	9. Project Management
Journalism/PR	1. Contemporary Social Systems 1 - Croatian Contemporary History
	2. English for the Media
	3. Forms of communication
	4. Introduction into Online and Digital Media
	5. Media Industry
	6. Media Relations
	7. Photo reporting
	8. Public Relations Basics
	9. Spokesmanship and Public Appearances
Tourism/Hospitality	1. Basics of Tourism
	2. English for Tourism and Hospitality 1
	3. English for Tourism and Hospitality 3
	4. German or Italian Language for Tourism 1
	5. Hotel Management and Hospitality
	6. Hospitality Product Technology
	7. Tourist Attractions and Special Interest Tourism
	8. Tourism Economics
IT	1. Digital Signal Processing
	2. Internet of Things
	3. Introduction to programming (JAVASCRIPT)
	4. Internet Services
	5. Information Systems Security
	6. Programming for the Internet

Grading System in Croatia The Croatian national grading scale consists of five grades with numerical equivalents:	Croatian grading system and mapping from ECTS grades
5 = excellent / izvrsan (highest grade)	5 = excellent / izvrsan (highest grade) - A
4 = very good / vrlo dobar	4 = very good / vrlo dobar - B
3 = good / dobar	3 = good / dobar - C
2 = sufficient / dovoljan (minimum passing grade)	2 = sufficient / dovoljan (minimum passing grade) - D
1 = fail / nedovoljan	1 = fail - nedovoljan - F

Grading systems at Sveučilište VERN (VERN University) - HR ZAGREB10

ECTS Grade	Local Grade	% of successful students normally achieving the grade	Definition
A	5	10	EXCELLENT – outstanding performance with only minor errors
B	4	25	VERY GOOD – above the average standard but with some errors
C	3	35	GOOD – generally sound work with a number of notable errors
D	2	30	SATISFACTORY – fair but with significant shortcomings
FX	1	-	FAIL – some more work required before the credit can be awarded
F	1	-	FAIL – considerable further work is required

Course Title:	Basics of Business Psychology and Communication
Degree program:	Entrepreneurship / Economics / Business Administration
Study level:	Bachelor's degree
Component Code:	9387
ECTS:	5

PREREQUISITES	None
DESCRIPTION OF COURSE CONTENT:	This course provides an overview of the basic scientific study of human behaviour. The topics in the course include: research methodology in psychology, problem solving and decision making, perception and social perception, learning and memory, emotion, self-concept, positive psychology, communication skills, presentation skills, stress, conflict management, cultural diversity, etc.
OUTCOMES:	After completing course, students should be able to: <ul style="list-style-type: none"> • Critically analyse and interpret scientific research findings in psychology • Describe and explain selected topics in psychology • Compare and contrast different approaches in psychology • Demonstrate communication skills in different situations • Prepare and conduct oral presentation
TEACHING METHODOLOGIES:	Lectures, teamwork, case studies, role play, debate, individual research

Course Title:	Basics of Entrepreneurship
Degree program:	Entrepreneurship / Economics / Business Administration
Study level:	Bachelor's degree
Component Code:	9383
ECTS:	5

PREREQUISITES	None
DESCRIPTION OF COURSE CONTENT:	<p>The course includes the following modules:</p> <p>Part I. Entrepreneurship: Concepts, Theory and Myths.</p> <p>Part II. Evolution of Entrepreneurship Theories Through Different Schools of Thought.</p> <p>Part III. Basic Prerequisites for Development of Entrepreneurship and its Impact on Economy.</p> <p>Part IV. Driving Forces of Entrepreneurship.</p> <p>Part V. The Entrepreneurial Process.</p> <p>Part VI. Types of SMEs and Why Each One Matters.</p> <p>Part VII. Importance of Modern Entrepreneurial Infrastructure.</p>
OUTCOMES:	<p>Developed personal interest in entrepreneurship based on knowledge and skills, proper assessment of business opportunities, and understanding of the entire entrepreneurial process.</p> <p>Acquired knowledge and skills that enable the start-up launch and survival by using all the benefits of supporting institutions and modern entrepreneurial infrastructure.</p> <p>Referring students to the specifics of different types of SMEs: family, youth, women, minority, rural, social, and corporate entrepreneurship and franchising.</p>
TEACHING METHODOLOGIES:	Through lectures, discussions, case studies, research, consultations, individual and team-designed assignments and presentations, students will develop knowledge and skills required for launching and/or advising business start-ups.

Course Title:	Business Administration Software
Degree program:	Entrepreneurship / Economics / Business Administration
Study level:	Bachelor's degree
Component Code:	10304
ECTS:	5

PREREQUISITES	None
DESCRIPTION OF COURSE CONTENT:	<p>This course focuses on the Microsoft Office suite aiming at developing students' high level computer literacy. In this part students are introduced to the concepts and techniques of electronic data processing using MS Excel tool. The topics include:</p> <ol style="list-style-type: none"> (1) entering, editing and formatting data; (2) understanding formulas with relative, absolute and mixed referencing; (3) creating and formatting charts; (4) creating named ranges; (5) using built-in functions; (6) Goal Seek; (7) Conditional Formatting; (8) Data Validation; (9) Pivot Tables.
OUTCOMES:	<p>Identify the areas of application of spreadsheet programs</p> <p>Use a spreadsheet program for arithmetical and financial calculations</p> <p>Use built-in functions for various purposes (summarizing data, conditioning, referencing, etc.)</p> <p>Use spreadsheets to present financial and business results (formatting tables and data types, charts, pivot tables)</p> <p>Enhance data processing effectiveness (conditional formatting, data validation).</p>
TEACHING METHODOLOGIES:	<p>All classes are held in computer classroom where every student works on a computer all the time going through given exercises and assignments. The lectures are all practical in nature meaning that the inductive approach is applied through learning-by-doing.</p>

Course Title:	Business Plan for Entrepreneurship
Degree program:	Entrepreneurship / Economics / Business Administration
Study level:	Bachelor's degree
Component Code:	9385
ECTS:	5

PREREQUISITES	Basic knowledge of Accounting, Finance & Marketing
DESCRIPTION OF COURSE CONTENT:	The main goal of the module is to develop understanding of the skills needed and the issues raised in setting up own business. It concentrates on business start-ups rather than developing and existing business. The module should be linked close with most of the economics modules through interdisciplinary study, connecting the theoretical knowledge with one business idea. Students will be expected to develop a real business concept and take it through to a business plan.
OUTCOMES:	<p>Upon completion of the module, students will:</p> <ul style="list-style-type: none"> - Understand how to develop their vision about own business. - Learn how to present data which will help them raise start up finance. - Understand the resource requirements and resources use implications of business development. <p>Students should be able to appreciate the factors that affect embarking on new ventures.</p> <ul style="list-style-type: none"> - Understand how to use the business plan as document that will help them guide business growth and development in the future.
TEACHING METHODOLOGIES:	Through lectures, discussions, case studies, research, consultations, individual and team-designed assignments and presentations, students will develop knowledge and skills required for launching and/or advising business start-ups

Course Title:	Dynamic Entrepreneurship
Degree program:	Entrepreneurship / Economics / Business Administration
Study level:	Bachelor's degree
Component Code:	9384
ECTS:	5

PREREQUISITES	As an integrative course in the final year of studying, the course will enable the synthesis of knowledge gathered through other (basic) courses of entrepreneurship, marketing, management, finances, accounting, etc.
DESCRIPTION OF COURSE CONTENT:	<p>Course includes the following 11 modules:</p> <ul style="list-style-type: none"> (1) Introduction to Dynamic Enterprises; (2) Characteristics of Fast Growing Companies (Gazelles), Growth and Development; (3) A Model of Growth Companies Affected by Internal and External Factors (A. Gibb's Framework for Growth); (4) Growth Strategies of Enterprises; (5) Managing Business Risk; (6) Information Sources and their Use, Business Intelligence and Benchmarking; (7) Financing Growth Companies; (8) An Entrepreneur in Trouble; (9) Valuation Methods and Harvest in Entrepreneurship; (10) Fast-Growing Company and its Environment, Corporate Social Responsibility and Social Capital; (11) Opportunities and Trends in Entrepreneurship.
OUTCOMES:	<p>Students will:</p> <ul style="list-style-type: none"> (1) develop an awareness of venture development and growth as a necessity for survival and success, (2) learn the mechanisms of sustainable growth of enterprises under the influence of internal and external factors, (3) know how to diagnose and analyse company's potential for growth, and define the best strategy for sustainable growth; (4) find out the most applicable types of formal and informal sources for financing growth companies in each phase of their life cycles; (5) learn how to evaluate and manage risks; (6) become familiar with business valuation methods and harvest strategies in entrepreneurship; (7) understand the multidimensionality of entrepreneurship, corporate social responsibility, trends, etc.
TEACHING METHODOLOGIES:	Through lectures, discussions, case studies, research, consultations, individual and team-designed assignments and presentations, students will develop knowledge and skills required for recognizing, running and/or advising growing businesses. Additionally develop knowledge and skills required for launching and/or advising business start-ups.

Course Title:	Introduction to Marketing
Degree program:	Entrepreneurship / Economics / Business Administration
Study level:	B.A.
Component Code:	9389
ECTS:	5

PREREQUISITES	None
DESCRIPTION OF COURSE CONTENT:	This course introduces students to the basic marketing principles in theory and practice. The topics in the course include: What is marketing today? How to develop marketing plan? Strategic marketing and marketing environment. Marketing in B2B and B2C models. Consumer behaviour and marketing research. STP approach; Segmentation, Targeting, Positioning, Marketing of services, Marketing mix; product, price, place and promotion.
OUTCOMES:	Upon completion of the module each student should be able to: <ul style="list-style-type: none"> - Use basic marketing terminology and explain the role and importance of marketing in today business - Identify key factors in marketing environment and marketing research, identify differences in marketing for services - Explain the process of creation and development of marketing plan in real business situation - Apply basic marketing strategies and tools in simple business cases - Present solutions in tailor-made marketing program.
TEACHING METHODOLOGIES:	Lectures, teamwork, case studies, debate, individual research.

Course Title:	Management
Degree program:	Entrepreneurship / Economics / Business Administration
Study level:	Bachelor's degree
Component Code:	9386
ECTS:	5

PREREQUISITES	None
DESCRIPTION OF COURSE CONTENT:	Management is a course that deals with the basic characteristics of business organization and its interaction with the business environment (organization, management, business decision making, corporate social responsibility, human resource management, change and innovation management, organizational behaviour, operational management). The course elaborates environmental management and core management functions (planning, organizing, leading and controlling) at all levels of management in all organizations.
OUTCOMES:	The objective of this course is to develop an understanding of the concept of management, its theory and research. Also, the goal is to answer the relevant questions of management, which would enable students to identify and overcome existing and potential problems that management faces. For the students to develop their creative thinking and teamwork, it is very important to understand global trends and challenges in the environment management.
TEACHING METHODOLOGIES:	Students learn about management through interactive lessons, lectures and discussions on various topics, group exercises and simulations. The work will be focused on many case studies so that students get access to current events in the area of management.

Course Title:	Microeconomics
Degree program:	Entrepreneurship / Economics / Business Administration
Study level:	Bachelor's degree
Component Code:	9388
ECTS:	5

PREREQUISITES	None
DESCRIPTION OF COURSE CONTENT:	This course introduces students to the terminology and analytic principles used in microeconomics, which is broadly defined as the study of markets, and to the application of these conceptual tools to several policy issues. We will analyse the decisions of buyers and sellers and their interaction in market transactions. We will also explore how different market structures can shape economic results, and how markets can sometimes (but not always) help society achieve desirable outcomes.
OUTCOMES:	Upon completion of the module each student should be able to accurately: <ul style="list-style-type: none"> • Use microeconomic terminology. • Apply basic microeconomic principles of analysis to explain how markets function. • Explain fundamental issues underlying the wide range of topics addressed by microeconomics. • Identify and offer initial assessments of policy options available to governments who want to influence economic outcomes.
TEACHING METHODOLOGIES:	The course includes pre-lecture activities conducted on-line, classroom lectures, on-line homework, market simulations conducted on-line and in class, and in-class exams.

Course Title:	Project Management
Degree program:	Entrepreneurship / Economics / Business Administration
Study level:	Bachelor's degree
Component Code:	10516
ECTS:	5

PREREQUISITES	None
DESCRIPTION OF COURSE CONTENT:	The course introduces students to the basic methodological approach to project management during their studies. The goal is that students through study your area knowledge about all phases of realization of projects (management of goals, costs, time, people, quality, procurement, risks) and new technique specific for the real sector through project work. The goal is to adopt project management skills and tools and to use the acquired knowledge effectively through practice. Special attention will also be placed to the methodology of presenting works through practical tasks.
OUTCOMES:	<ol style="list-style-type: none"> 1. Describe the concept and basic functions of project management, the features of project quality assurance and its role in individual project phases. 2. Explain the role of all project team participants in the tasks of performing all executive phases of project management in accordance with the rules of project quality assurance in the Republic of Croatia, EU and beyond. 3. Distinguish between the rules and principles of systematic project management on which the development and implementation of the entire project is based, all its phases and information and communication support, and the accompanying documents used in the management and execution of the project (their structure and content). 4. Classify the types of projects and their support and their project teams with all the common characteristics and peculiarities. 5. Compare the process of risk assessment of project management and quality assurance of the project and the production of all supporting documents, diagrams, graphs, etc., in accordance with the selected model of management (control and correction) of costs in the project. 6. Illustrate the technique of eliminating non-compliance for various types of project management, in accordance with the concept of project quality protection.

	<p>7. To know how to work with one of the tools of information and communication support for competent (MS Project) project management and project monitoring (operationally and financially).</p> <p>8. Based on theoretical knowledge and examples of good practice, design and independently create a project.</p> <p>9. Critically judge the success of a project with a presentation of conclusions.</p>
TEACHING METHODOLOGIE S:	Regular attendance at classes, writing practical exercises, participation in seminar classes and studying the given literature and taking the written exam.

Course Title:	Contemporary Social Systems 1 - Croatian Contemporary History
Degree program:	JOURNALISM / PR
Study level:	Bachelor's degree
Component Code:	9390
ECTS:	5

PREREQUISITES	None
DESCRIPTION OF COURSE CONTENT:	The aim of this course is to educate students about the world and times they live in. The first topic of this course is contemporary history of Croatia with the goal to develop students' critical thinking and understanding of the fundamental processes that occurred in Croatia, Yugoslavia and rest of the world during the 20th century.
OUTCOMES:	Students become familiar with the Croatian cultural heritage and Croatian history. They become capable to recognize cultural differences and similarities and embrace them. Students will be easier to understand process of disintegration of Yugoslavia, the Homeland War and beginnings of Croatian independency.
TEACHING METHODOLOGIES:	Lectures, discussions, individual research, workshops; fieldwork - visiting museums, monuments and other cultural institutions.

Course Title:	English for the Media
Degree program:	JOURNALISM / PR
Study level:	Bachelor's degree
Component Code:	9391
ECTS:	5

PREREQUISITES	None
DESCRIPTION OF COURSE CONTENT:	The aim of the course is to develop relevant linguistic skills required for work in the English-speaking media. The emphasis is on the specific vocabulary and structures of the language of the media. Special attention is paid to communication and presentation skills. The course is designed to improve English speaking, listening, reading and writing skills related to the specialist language knowledge that the media studies students need.
OUTCOMES:	Students become familiar with the language of the media so they can use it more effectively. They can use the specific vocabulary and structures of the media language, write a rationale and reflection essay, and give a presentation in English on a media-related subject.
TEACHING METHODOLOGIES:	Workshops, discussions, pair work, group work, individual research.

Course Title:	Forms of communication
Degree program:	JOURNALISM / PR
Study level:	Bachelor's degree
Component Code:	9394
ECTS:	5

PREREQUISITES	None
DESCRIPTION OF COURSE CONTENT:	<p>Forms of communication is a class in which you can learn about communication in general, communicating as essential life skill, types and forms of communication and how to use them. Effective communication is essential for the success in any type of business. Informally too, nothing can be achieved without proper communication. Therefore, developing communicative skills is a must. One must know and understand all types of communication because they are equally important in everyday life. It's also important to develop communicative skills in all the mediums. Communication is a process of exchanging information, ideas, thoughts, feelings and emotions through speech, signals, writing, or behaviour. In communication process, a sender (encoder) encodes a message and then using a medium/channel sends it to the receiver (decoder) who decodes the message and after processing information, sends back appropriate feedback/reply using a medium/channel. People communicate with each other in a number of ways that depend upon the message and its context in which it is being sent. Choice of communication form, channel and your style of communicating also affects communication.</p>
OUTCOMES:	<p>Upon successful completion of the course, students will be able to:</p> <ul style="list-style-type: none"> - Explain the basic concepts in communication - Interpret the prerequisites, importance and characteristics of the communication act - Describe the process of emergence and development of forms of communication - Identify communication factors, forms and types of communication - Describe the process of communication in accordance with the principles of modern communication channels
TEACHING METHODOLOGIES:	Workshops, discussions, pair work, group work, individual research

Course Title:	Introduction into Online and Digital Media
Degree program:	JOURNALISM / PR
Study level:	Bachelor's degree
Component Code:	9397
ECTS:	5

PREREQUISITES	None
DESCRIPTION OF COURSE CONTENT:	The course explores the basics of digital media and explains both hardware and software. Students will be introduced to a broad sampling of digital media throughout the semester. The goal is to consider the ways in which digital technology can be used to create meaningful and sophisticated work. Thus, it considers devices, delivery methods, digital producers, financing, content providers, distribution as well as audiences and their needs.
OUTCOMES:	Students will be closely with the history of each electronic medium and trace the evolution to how contemporary media industries use them. They will learn technical and conceptual tools to understand the basics of digital media as well as the language of the visual imagery. We will focus on how technology and business aspects of the electronic media shape their content.
TEACHING METHODOLOGIES:	Our main task is to develop the basic skill set necessary to create a variety of different types of digital content. The class will consist of lectures, discussions, videos, workshops and further academic exploration. During the course, the assignments will engage students in both the technical and conceptual aspects of digital media.

Course Title:	Media Industry
Degree program:	JOURNALISM / PR
Study level:	Bachelor's degree
Component Code:	9393
ECTS:	5

PREREQUISITES	None
DESCRIPTION OF COURSE CONTENT:	This course introduces students to the business of media. Global, regional and local media industry and its specifics are presented theoretically as well as with numerous case studies. Students will be acquainted with the framework of how things work beyond content production in media and related markets.
OUTCOMES:	Students will be introduced to the media industry ecosystem. They will be able to recognize and understand current trends, become familiar with the history of the media industry and grasp the organizational structures and procedures of media organizations.
TEACHING METHODOLOGIES:	Lectures, discussions, guest lectures, team work on a seminar assignment, films.

Course Title:	Media Relations
Degree program:	JOURNALISM / PR
Study level:	Bachelor's degree
Component Code:	10120
ECTS:	5

PREREQUISITES	None
DESCRIPTION OF COURSE CONTENT:	The aim of the course is to bring students closer to the media market and the relationship between journalism, public relations and marketing. Special emphasis is placed on tools and techniques of media relations and training for their application. The course aims to introduce students to legal and ethical standards in journalism and PR, strategic media relations and crisis media relations. The aim is to bring students closer to the functioning of the media industry, production processes, media relations in different sectors, enabling them to design media statements and designing and preparing a media event.
OUTCOMES:	Describe the media market and production processes in the media Critically interpret the relations of journalism, PR and marketing Discuss legal and ethical norms in OSJ and in journalism Interpret strategic media relations, crisis relations with the media, and PR evaluation Demonstrate the ability to design and prepare a media event to independently prepare a media call, press release, and media statement Demonstrate stand-alone preparation and performance of electronic media statements.
TEACHING METHODOLOGIES:	Lectures, discussions, guest lectures, team work on a seminar assignment, films.

Course Title:	Photo reporting
Degree program:	JOURNALISM / PR
Study level:	Bachelor's degree
Component Code:	9392
ECTS:	5

PREREQUISITES	None
DESCRIPTION OF COURSE CONTENT:	This course will introduce students to basic theoretical and practical knowledge of photo reporting and enable them to engage in the practice of basic photo tasks as well as recording in a studio and on the work field. Through the practical part of course, students will be introduced to modern photographic equipment and technology, how to make photo report and how it is processed by computers.
OUTCOMES:	At Photo reporting lectures you will learn about Photojournalism 2.0, how to be modern 21.th century photojournalist - using advantages (and know to handle disadvantages) of smart phone cameras, how to use digital SLR and point and shot cameras, what are main differences of photos for daily newspapers and weekly magazines. Also, you will learn how to recognise and use good photography for your professional needs.
TEACHING METHODOLOGIES:	Concept of Photo reporting classes is based on learning theory via PowerPoint presentations, short movies with practical advice and examples of real on a field photo situation, practice work in classroom and practice on a field photographing in exterior.

Course Title:	Public Relations Basics
Degree program:	JOURNALISM / PR
Study level:	Bachelor's degree
Component Code:	9395
ECTS:	5

PREREQUISITES	None
DESCRIPTION OF COURSE CONTENT:	The course will introduce students to the basic settings and activities of public relations with emphasis on media relations. Students will develop understanding of this important function of governmental and corporate institutions and NGOs and be able to effectively cooperate with spoke persons, offices of corporate communications, PR agencies etc.
OUTCOMES:	Students become familiar with the public relations industry. They will develop understanding and skills on how to best work with PR professionals. Through working on a PR project, they will be able to understand the complexities of the industry they as journalists have to work closely with.
TEACHING METHODOLOGIES:	Lectures, discussions, guest lectures, team work on a project, films.

Course Title:	Spokesmanship and Public Appearances
Degree program:	JOURNALISM / PR
Study level:	Bachelor's degree
Component Code:	9396
ECTS:	5

PREREQUISITES	None
DESCRIPTION OF COURSE CONTENT:	The aim of the course is to introduce students to the basic's spokesperson skills, basic tools to work with the media, the basics of presentation and communication techniques and give them an insight into the possibilities of persuasive public speaking. The course is focused on preparation and training skills essential for communication with the media and the public. Students will be familiar with the basic verbal and non-verbal elements of public communication. Each student will be determined by the initial 'voice status', and after the practical part of the course which will, among other things, include the preparation and execution of speech / presentation, will be defined and individual progress in speaking status.
OUTCOMES:	Define core elements and skills that spokesperson needs. Explain the role and function of spokesperson in the organization. Explain the difference between spokesperson, journalists and employees in public relations. Analyse and interpret codes (verbal and nonverbal) needed for communication. Plan the specific activity of the spokesperson. Distinguish examples of good and bad practice spokesperson. Demonstrate knowledge of spokesman in public appearance.
TEACHING METHODOLOGIES:	Lectures, case studies, assignments, exercises and presentations.

Course Title:	Basics of Tourism
Degree program:	Tourism and Hotel Management
Study level:	Bachelor's degree
Component Code:	9400
ECTS:	5

PREREQUISITES	None
DESCRIPTION OF COURSE CONTENT:	Provide understanding of basic terminology, requirements, development factors, relations and concepts of tourism as complex contemporary phenomena. Provide insight into the most common travel motives and motivation processes, as well as the forms and types of tourism. Draw attention to the importance of active participation in tourism policies creation and implementation, especially in planning the process of sustainable tourism development in order to increase positive and decrease negative impacts of tourism.
OUTCOMES:	<ol style="list-style-type: none"> 1. Explain basic concepts of tourism 2. Interpret the scope of requirements, the importance and nature of tourism 3. Describe the process of tourism development and growth 4. Identify the development factors, forms and types of tourism 5. Connect travel motives and tourist activities 6. Interpret the contribution and impacts of tourism 7. Present cases of tourism organization and policies in Croatia 8. Describe the sustainable tourism development planning process
TEACHING METHODOLOGIES:	Lectures, discussions, case studies, assignments and presentations.

Course Title:	English for Tourism and Hospitality 1
Degree program:	Tourism and Hotel Management
Study level:	Bachelor's degree
Component Code:	9907
ECTS:	5

PREREQUISITES	None
DESCRIPTION OF COURSE CONTENT:	The course objective is to provide basic knowledge, vocabulary and structures necessary to understand basic concepts encountered by employees and managers in tourism industry who use the English language. The course should enable students to perform basic communication with foreign guests and business partners, independently finding, selecting, evaluating, summarizing and presenting information. Furthermore, it will refer students to basic topics and terminology they will encounter in other subjects during their course of study in order to be able to follow literature in English.
OUTCOMES:	<p>Upon successful completion of the course, students will be able to:</p> <ul style="list-style-type: none"> • Describe activities in hospitality industry and tourism-related professional opportunities/jobs; • Produce a CV in Europass or similar format and apply for a job, based on information from an advertisement • Explain the organisation, historical development of tourism and basic reasons for travel; • Present main features of a tourist destination; • Display specific travel arrangements through travel agents and different types of travel; • Use concepts related to organization of tourism and fundamentals of finance in tourism; • Use concepts of direct and indirect questions, expressing agreement and disagreement, short answers and grammatical constructions such as "tag questions"; all in appropriate context • Use part of the general language competence at level B1, and some at level B2 of the Common European Framework of Reference for Languages (CEF) in English language.
TEACHING METHODOLOGIES:	Lectures, discussions, case studies, assignments and presentations.

Course Title:	English for Tourism and Hospitality 3
Degree program:	Tourism and Hotel Management
Study level:	Bachelor's degree
Component Code:	9492
ECTS:	5

PREREQUISITES	None
DESCRIPTION OF COURSE CONTENT:	The course objective is to provide knowledge, vocabulary and structures necessary to understand concepts encountered by employees and managers in tourism industry who use the English language. The course should enable students to perform communication with foreign guests and business partners, independently finding, selecting, evaluating, summarizing and presenting information. Furthermore, it will refer students to topics and terminology they will encounter in other subjects during their course of study in order to be able to follow literature in English.
OUTCOMES:	<p>Upon successful completion of the course, students will be able to:</p> <ul style="list-style-type: none"> • Describe activities in hospitality industry and tourism-related professional opportunities/jobs; • Produce a CV in Europass or similar format and apply for a job, based on information from an advertisement • Explain the organisation, historical development of tourism and basic reasons for travel; • Present main features of a tourist destination; • Display specific travel arrangements through travel agents and different types of travel; • Use concepts related to organization of tourism and fundamentals of finance in tourism; • Use concepts of direct and indirect questions, expressing agreement and disagreement, short answers and grammatical constructions such as "tag questions"; all in appropriate context • Use part of the general language competence at level B1, and some at level B2 of the Common European Framework of Reference for Languages (CEF) in English language.
TEACHING METHODOLOGIES:	Lectures, discussions, case studies, assignments and presentations.

Course Title:	Italian Language
Degree program:	Tourism and Hotel Management
Study level:	Bachelor's degree
Component Code:	9495
ECTS:	5

PREREQUISITES	None
DESCRIPTION OF COURSE CONTENT:	General language competence level A1/A2 of the Common European Framework of Reference for Languages (CEFR). The course objective is to provide knowledge, vocabulary and structures necessary to understand the basics of the Italian language.
OUTCOMES:	Upon successful completion of the course students will be able to communicate effectively in Italian, in everyday realistic situations. This course is task and content-based and incorporates grammar through the functional use of language through listening, speaking, reading and writing. Vocabulary and structures are practiced in class through communicative activities. Cultural notes introduce students to contemporary Italian life and culture. This course enable students to use their language knowledge and skills in understanding, and speaking, necessary for basic communication in the Italian language.
TEACHING METHODOLOGIES:	Attending lectures, be active in discussion, writing and presenting individual assignments, sitting for partial exams or the final written and oral exam.

Course Title:	Hotel Management and Hospitality
Degree program:	Tourism and Hotel Management
Study level:	Bachelor's degree
Component Code:	9398
ECTS:	5

PREREQUISITES	None
DESCRIPTION OF COURSE CONTENT:	The course objective is to provide a focused coverage of development, structure and organization of hotel business and various types of international hospitality operations. The course will explain the social and economic role, responsibilities and opportunities of the hotel industry. Special emphasize will be given to added values, the quality of service and guest expectations.
OUTCOMES:	Students will become familiar with the subject of hotel management and specific characteristics of hotel industry by explaining its main functions and terms. Upon the completion of the course, students will be able to understand the historic role of outstanding hoteliers, the reasons for travelling and travel motivators which helps to create the appropriate product for specific guests, to determine the organizational structure of a hotel, to organize hotel departments and its operations, to evaluate the importance of corporate culture and standards, to analyse critically the advantages and disadvantages of hotel affiliations, to analyse the social, economic and environmental role of hotel industry, to understand the philosophy of hotel business and the new trends in the hotel industry.
TEACHING METHODOLOGIES:	Through lectures, discussions, case studies, assignments and presentations, students will get the required knowledge about the hotel management.

Course Title:	Hospitality Product Technology
Degree program:	Tourism and Hotel Management
Study level:	Bachelor's degree
Component Code:	9399
ECTS:	5

PREREQUISITES	None
DESCRIPTION OF COURSE CONTENT:	To enable students to understand types and classes of hospitality products, industry trends, methods of work, as well as methods of market positioning and market research. To teach students about the location selection process, concept development and product design. To introduce students to development framework, content programming, pre-investment, studies, cost analyses and new hospitality product development planning.
OUTCOMES:	Following a successful completion of the course, students will be able to: 1. Explain types and classes of hospitality products, industry trends, ownership relations and methods of work; 2. Identify appropriate methods of market positioning and market research; 3. Demonstrate location selection process, concept development and product design with market features; 4. Interpret planning process, definition of development strategy, product development and brand management; 5. Compare results of pre-investment studies, content programming options and preliminary cost analyses; 6. Present all hotel technology elements; 7. Evaluate impact of technological, financial and legal framework on hospitality product development; 8. Propose new hospitality product development plan.
TEACHING METHODOLOGIES:	Lectures, practical classes, seminar and workshops.

Course Title:	Tourist Attractions and Special Interest Tourism
Degree program:	Tourism and Hotel Management
Study level:	Bachelor's degree
Component Code:	9505
ECTS:	5

PREREQUISITES	None
DESCRIPTION OF COURSE CONTENT:	The course objective is to provide a clear picture of what is methodology of tourist attraction and why it is becoming critical factor of tourist destination success. Course explains how to integrate methodology into sustainable business practices in a tourist destination and tourist product and who should be responsible for managing this attractions in tourist destination.
OUTCOMES:	Students will become familiar with the new forms of tourism, arguments against mass tourism and different approaches toward contemporary phenomenology of special forms of tourism. Students should be able to develop tourist product; identify key areas and stakeholders, create new tourist programs and initiatives, and propose monitoring system of tourist attractions.
TEACHING METHODOLOGIES:	Through lectures, discussions, case studies, assignments and presentations, students will be invited to think out of the box of mass tourism and to respond creatively to the new dimensions and offers of sustainable and creative tourism.

Course Title:	Tourism Economics
Degree program:	Tourism and Hotel Management
Study level:	Bachelor's degree
Component Code:	9401
ECTS:	5

PREREQUISITES	None
DESCRIPTION OF COURSE CONTENT:	The course objective is to upgrade the knowledge on tourism, to learn about the importance of tourism for the global, national and regional economy, and to learn about the functioning of tourism market and the economic function of tourism. This course presents the basic economic principles as they apply to the tourism industry and describes major impacts of tourism on the economy in terms of income, employment and inflation, including the key topic of the sustainable competitiveness of tourism destinations.
OUTCOMES:	Upon successful completion of the course, students will be able to: 1. Identify the factors that affect the supply and demand in tourism 2. Learn how to implement an appropriate pricing policy in a travel company 3. Explain the economic effects of tourism in the economy at the level of consumers, businesses and the state 4. Discuss different ways of measuring the economic effects of tourism 5. Identify the most important international aspects of tourism 6. Interpret the results of the analysis and evaluation of projects in tourism 7. Recognize the importance and consequences of investment in tourism 8. Distinguish competitive strategies of tourist destinations and ways of measuring competitiveness 9. Calculate and make decisions based on business performance indicators of tourism entities
TEACHING METHODOLOGIES:	Lectures, discussions, case studies, assignments and presentations.

Course Title:	Digital Signal Processing
Degree program:	IT
Study level:	Bachelor or equivalent first cycle (EQF level 6)
Component Code:	10857
ECTS:	5

PREREQUISITES	Basic programming in Python, Calculus, Linear Algebra
DESCRIPTION OF COURSE CONTENT:	<p>Course objectives: Familiarise the students with basic concepts in digital signal processing. Introduce the students to the possibilities of practical application of the acquired knowledge and skills as well as train them to use the aforementioned competencies in practice. Content: 1. Introduction to digital signal processing with real-world examples; 2. Difference between information, signal and data; 3. Overview of tools needed to understand signal processing; 4. Signal discretization and the difference between analogue and digital signals; 5. What is a signal and what is a system?; 6. The difference between a time-domain and frequency-domain and explaining signal representation in different domains; 7. Introduction to signal spectrum and Fourier transform; 8. Working with the Fourier transform on a computer and explaining the FFT algorithm; 9. Signal reconstruction; 10. Signal convolution; 11. Impulse response of the system; 12. Signal filtering; 13. Signal processing applications in practice.</p>
OUTCOMES:	Once they successfully finish the course, the students will be able to: describe the difference between the following terms: information, signal, data and system; recognise different domains of signal representation; use computer packages for signal processing; anticipate potential problems in the signal reconstruction process; choose the right filter for the observed signal; apply signal processing methods in practice.
TEACHING METHODOLOGIES:	Blended learning approach: Python + Jupyter Notebook + YouTube. Hands-on coding using Python in Jupyter Notebook: Hands-on coding for DSP concepts with real-time feedback and visualizations, along with occasional video examples from YouTube.

Course Title:	Internet of Things
Degree program:	IT
Study level:	Bachelor or equivalent first cycle (EQF level 6)
Component Code:	2665
ECTS:	5

PREREQUISITES	must be a student of IT study
DESCRIPTION OF COURSE CONTENT:	The course introduces students to the basics of the procedural programming paradigm and the basics of working in a development programming environment. It studies basic programming elements that are common to all modern high-level programming languages. It presents basic algorithmic solutions and data structures that can be applied in different environments. Students are also introduced to the basic elements of a graphical user interface.
OUTCOMES:	After successfully completing the course, students will be able to: <ol style="list-style-type: none"> 1. describe how to execute programs on a computer at a higher level 2. apply basic algorithmic elements in the procedural programming language Python 3. recognize the need for appropriate data structures in solving simpler programming tasks 4. use basic data structures 5. use a development environment when designing simpler programs 6. connect existing program elements with the aim of creating new functionality
TEACHING METHODOLOGIES:	Lectures and practical exercises, independent work

Course Title:	Introduction to programming (JAVASCRIPT)
Degree program:	IT
Study level:	Bachelor or equivalent first cycle (EQF level 6)
Component code:	2486
ECTS:	5

PREREQUISITES	must be a student of IT study
DESCRIPTION OF COURSE CONTENT:	<p>The course is conducted in two parts:</p> <ol style="list-style-type: none"> 1. development of programming and analytical thinking <ul style="list-style-type: none"> - problem analysis, problem solving by breaking it down into small and easily feasible units (writing pseudocode and/or a more structured flowchart) - exercises for developing programming thinking using finite state automata 2. programming exercises in the programming language JAVASCRIPT <ul style="list-style-type: none"> - mastering the language syntax (variables, program branches, loops, data types, structures, arrays, accepting user input, working with files, creating and using javascript modules) - exercises: solving programming tasks, learning through problem solving (from simple and easily solvable problems and tasks, one gradually progresses to more complex and demanding ones)
OUTCOMES:	<ol style="list-style-type: none"> a) create an algorithm to solve a simple problem b) code the algorithm in the chosen programming language (JS) c) identify the correct data type for the required variables d) create a simple program that contains statements to control the flow of the program e) write a function that solves a defined task f) create a program that uses files at a basic level
TEACHING METHODOLOGIES:	Lectures and practical exercises, independent work

Course Title:	Internet Services
Degree program:	IT
Study level:	Bachelor or equivalent first cycle (EQF level 6)
Component code:	2665
ECTS:	5

PREREQUISITES	must be a student of IT study
DESCRIPTION OF COURSE CONTENT:	<ol style="list-style-type: none"> 1. Internet concept and architecture <ul style="list-style-type: none"> - protocols, Internet services, security and how the Internet works 2. Web page development - HTML basics <ul style="list-style-type: none"> - HTML document structure, syntax, tags and attributes 3. Web page design - CSS <ul style="list-style-type: none"> - CSS file types, selectors, design of basic page elements, background images, links, lists, tables, forms, navigation - design of advanced web page elements (image galleries, navigation, animations, ...)
OUTCOMES:	<ol style="list-style-type: none"> 1. explain the basic structure and architecture of the Internet 2. use HTML and CSS to create and design simple web pages according to a given template 3. use CSS to create and design more advanced modules for a web page (navigation menus, image galleries, ...) 4. use the basics of JavaScript to achieve interactivity of the page (DOM, events)
TEACHING METHODOLOGIES:	Lectures and practical exercises, independent work

Course Title:	Information Systems Security
Degree program:	IT
Study level:	Bachelor or equivalent first cycle (EQF level 6)
Component code:	10674
ECTS:	5

PREREQUISITES	Basics of Internet services and Internet programming
DESCRIPTION OF COURSE CONTENT:	<ol style="list-style-type: none"> 1. Introduction to information systems security: information security, cybersecurity, Internet of Things security 2. Computer crime and ethics in information systems security. Groups and interests of various parties for security threats. APT attacks. Attacks on SCADA and IoT systems. 3. Threat modeling and system analysis. Methods for threat modeling and security analysis of complex system architectures. 4. Malicious code and forms of malicious code. Known incidents in which malicious code was key to system threats. Detection, analysis and removal of malicious code. 5. Redundancy in systems and backup. Architecture and design of resilient systems. 6. Applied cryptography, symmetric and asymmetric cryptosystems, authentication codes, one-way functions, TLS and PKI. Application of secure communication protocols. 7. Application security. The most common security vulnerabilities and methods of protection in applications. 8. Network filtering and network traffic control. Monitoring communications in distributed systems. 9. Embedded systems security. Vulnerabilities due to physical access to IoT devices. Side-channel attacks. Security gaps in the design of IoT devices and ecosystems. 10. Security management and organizational security measures. Best practices. A set of standards from the ISO 27000 and NIST 800 series.

OUTCOMES:	<ol style="list-style-type: none">1. Recognize and understand security threats and other factors that affect the security of an information system.2. Apply protective measures available in the operating system, database management system, network services and devices in order to achieve the desired level of security.3. Independently analyse program code following best practices and methodologies that enable the development of secure applications.4. Implement identification, authentication, authorization, data confidentiality, integrity and event logging measures in the developed system.5. Develop IoT systems with awareness of threats and vulnerabilities in IoT systems and methods for protecting IoT devices and systems.
TEACHING METHODOLOGIES:	Lectures, interactive exercises, watching a film, analysing scenarios, using tools, calculation tasks, modeling, creating model solutions, research tasks, games and quizzes, discussion

Course Title:	Programming for the Internet
Degree program:	IT
Study level:	Bachelor or equivalent first cycle (EQF level 6)
Component code:	3529
ECTS:	5

PREREQUISITES	C#, SQL
DESCRIPTION OF COURSE CONTENT:	Introduce students to modern technologies for developing Internet applications and provide them with the knowledge necessary to create these applications. Show them the principles of client-server programming for the Internet. Emphasize working with databases and data using appropriate technologies and controls, and to define important characteristics of today's web applications - multi-layeredness, working with logged-in users, adaptability to the device screen size.
OUTCOMES:	<ol style="list-style-type: none"> 1. Recognize different Internet technologies used in practice. Due to the breadth of technologies present, the focus is on the Microsoft ASP.NET Core MVC working environment and supporting technologies, whose working environment they will be able to recognize and use. 2. Connect knowledge of programming, algorithms and data structures, and databases with programming for the Internet 3. Apply appropriate knowledge to create Internet business applications 4. Understand the client and server side of programming for the Internet 5. Use Internet technologies to solve practical problems 6. Use databases to retrieve and store data 7. Arrange parts of a web application into a modular architecture 8. Get an overview of more advanced web programming concepts
TEACHING METHODOLOGIES:	Lectures, Exercises, Project assignment