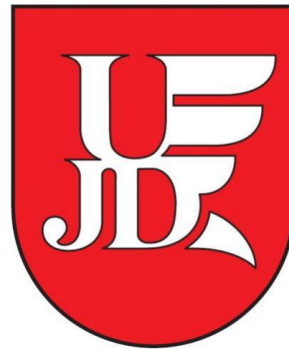


**Jan Dlugosz University
in Czestochowa**



**Academic Year 2021/2022
Courses Taught in English
For Exchange Students**



Erasmus+

Faculty of Science & Technology

Biotechnology

Course title	ECTS	Hours	Form	Semester (Winter/ Summer)	Course description
Cell and tissue cultures dr Katarzyna Bandurska	1	15	lecture	winter	The aim of the course is to familiarize students with latest techniques of <i>in vitro</i> cultures of plant and animal cells and tissues and their practical applications.
Microbiology dr Dominika Olszewska	3	30	laboratory	winter	Rules of work in a microbiological laboratory, basic techniques of microbiological tests, microbiological media, methods of sterilization and disinfection. Technique of microscopy and preparation of survival preparations, simple staining of bacteria. Gramma staining of morphological forms of bacteria. Methods of staining bacteria. Bacterial cell structures. The influence of physical and chemical factors on microorganisms, methods of inoculating liquid media, surface culture. Examination of the biochemical properties of microorganisms, redox enzymes, reduction culture. Environmental cleanliness analysis. Microbiological analysis of water, learning to determine the titre of E. coli, plating.

<p align="center">Cell biology dr Dariusz Świerczewski</p>	2	15	lecture	summer	<p>Cell biology is the study of the structure and function of eukaryotic cells in comparison to prokaryotic ones. The aim of the course is to give students the overview of different areas of cellular biology including: membrane and organelle structure and function, cell signaling, cytoskeleton proteins, intracellular transports, cell cycle regulation and cellular differentiation including early embryonal development at cellular level. Examples of relevant human disorders will also be presented to show what happens when cells don't work properly.</p>
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Chemistry

Course title	ECTS	Hours	Form	Semester (Winter/ Summer)	Course description
<p>Asymmetric synthesis: principles and the recent results prof. dr hab. J. Drabowicz</p>	3	5+25	Lecture + classes	summer	<p>After a 5-hour introductory lecture, the remaining part of the course will be devoted to interactive discussions of problems taken from the recent chemical literature.</p>
<p>Heteroorganic reagents in organic synthesis prof. dr hab. J. Drabowicz</p>	5	15+30	Lecture + classes	summer	<p>The entire course will be divided to two parts. The first one will be devoted to a brief characterization of heteroatom – containing derivatives. And during the second part interactive discussions of problems taken from the recent chemical literature will be realized.</p>

<p>Advanced organic synthesis in drug chemistry prof. dr hab. P. Bałczewski</p>	6	45	lecture + classes	summer	<p>1) A review of representatives of basic classes of drugs and the drugs recently introduced to the world markets, their step-by step synthesis including detailed reaction mechanisms and biological activity.</p> <p>2) Drugs planning based on the principles of retrosynthetic analysis and an extended knowledge of chemical reactions that are not discussed in the basic course, including recently developed reactions that are fundamental for organic synthesis, e.g. metal catalyzed cross-coupling reactions.</p>
<p>Biomaterials Engineering prof. dr hab. P. Dobrzyński</p>	2	15	lecture	winter	<p>The aim of the course is to provide knowledge of the area associated with the application of various materials and tools in human and veterinary medicine. Gaining knowledge of the importance of biomaterials in the development of modern medicine, its dynamics of development, perspectives, role in improving the quality of life of the society with a special emphasis on aspects related to application polymeric materials in pharmacy and regenerative medicine.</p>
<p>Modern Methods of Controlled Drug Release prof. dr hab. P. Dobrzyński</p>	4	30	lecture + classes	summer	<p>The aim of the course is to provide knowledge of the area associated with the production and use of a variety of introduced today systems of controlled release of drugs. Significance and prospects of replacing the classic generation drugs, the role of this process in improving the quality of life and effectiveness of many novel therapies.</p>
<p>Phytotherapy dr W. Woszczyk</p>	4	45	lecture + classes	winter	<p>Phytotherapy is the use of plant based and plant-derived medications in treatment and prevention of disease. This course takes a modern approach to traditional herbalism by thorough scientific verification of practical use of plant-</p>

					based products intended for medical implementation in most common health conditions.
Molecular targeted drugs dr W. Woszczyk	3	30	lecture + classes	summer	This course has been specifically designed to present the latest and most spectacular approach to treatment as a strategy for defining the precise goal for medical action. Based on an in-depth analysis of the disease and current scientific and medical achievements, targeted molecular therapy provides tools and methods to combat diseases that until now have been very difficult, if not incurable, using traditional treatments.
Basic Crystallography (1st cycle programme) prof. dr hab. Volodymyr Pavlyuk	4	15+15	lecture + classes	Summer	This introduction course is designed to learn basic crystallography and X-ray diffraction theory systematically. The students will study the symmetry elements, points group, space group, diffraction theory and crystal of structure determination for chemical compounds.
Crystallography and X-ray diffractometry (2nd cycle programme) prof. dr hab. Volodymyr Pavlyuk	3	15+15	lecture + classes	Summer	This course is designed to learn the fundamentals of crystallography and X-ray diffraction theory. Structure determination by X-ray diffraction and structure solving/refining is the main goal of this course.

Dietetics, Human nutrition & dietetics

Course title	ECTS	Hours	Form	Semester (Winter/ Summer)	Course description
Molecular biology and genetics	1 + 2	10 + 25	lecture + lab.	winter	<p style="text-align: center;">The aim of the course is:</p> <p style="text-align: center;">Gaining basic knowledge about the structure and functioning of a eukaryotic cell.</p> <p style="text-align: center;">Learning and understanding the basics of genetics: the mechanisms of inheritance, DNA structure and organization of the human genome, transcription and translation, regulation of gene expression.</p>
Human physiology	2	25	lecture	summer	<p style="text-align: center;">Mechanisms of the proper functioning of organs and systems of the human body: Physiology of the central nervous system. Endocrine gland physiology, regulatory mechanisms. Hormones and the scope of their action. The heart muscle, its structure and electromechanical properties. Principles of blood flow in the circulatory system. Blood pressure. Gas exchange. Mechanism of lung ventilation. Organization of the digestive system, digestion and absorption processes in the digestive tract, secretion and motility of the digestive tract, functions of the pancreas and liver. Relationships between the digestive system and other human systems. Metabolism. Water and electrolyte management. Acid-base balance. Receptors physiology. The organ of sight and hearing. Physiology of the excretory system.</p>

<p>General microbiology and food microbiology</p>	<p>2</p>	<p>25</p>	<p>lecture</p>	<p>winter</p>	<p>The lecture aims to provide information on general microbiology and food microbiology. General Topics: Morphology, cytology, physiology of microorganisms. Growth and development, nutrition and food types. The role of microorganisms in the environment and human life. The relationship of microorganisms with food production technologies.</p>
<p>Food chemistry</p>	<p>2 + 2</p>	<p>25 + 25</p>	<p>lecture + lab.</p>	<p>summer</p>	<p>Scope of food chemistry. Food structure and chemical composition Water as a food ingredient. Drinking water Saccharides in food and their functional properties Fats, their characteristics and properties of edible fats Proteins and protein raw materials Non-protein nitrogenous compounds. Minerals Food colours. Food aroma compounds Health and anti-nutritional compounds Polyphenols. Food additives Vitamins. Milk fat Food allergens Food contamination Mutagenic and carcinogenic food ingredients Interactions of food ingredients Changes occurring during storage and processing of food</p>
<p>Analysis and evaluation of food quality</p>	<p>1</p>	<p>15</p>	<p>lecture</p>	<p>winter</p>	<p>The aim of the course is to provide students with knowledge of the basic principles and methods of food analysis and quality evaluation. Topics of lectures include the basic methods used in the evaluation and analysis of food quality, rules for collecting and preparing samples for analysis, and the possibility of errors. In addition, lectures</p>

					include: determination of water, protein, sugars, polysaccharides and fiber, qualitative and quantitative assessment of food fats, determination of vitamins, ash, minerals and selected food additives. The topic of the course is complemented by sensory analysis in food quality evaluation.
Convenience and Functional Foods	1 + 4	10 + 45	lecture + lab.	summer	<p>Introduction. Historical outline, definitions, classification and types of functional foods. Convenient food.</p> <p>Probiotics. Examples of lactic acid bacteria (LAB) and yeast with probiotic properties, their characteristics. Features of an ideal probiotic. Substances produced by probiotic organisms and their effects on other organisms. Examples of the use of probiotics in various diseases.</p> <p>Prebiotics. Definition and characteristics. Examples: raffinose, stachyose, inulin, lactulose, oligofructose, oligogalactose, resistant maltodextrins, polydextrose, resistant starch. Impact on human health.</p> <p>Dietary fiber and hydrocolloids. Definition, examples, general characteristics, beneficial and adverse effects on human health.</p> <p>Characteristics and health-promoting properties of individual groups of phenolic compounds with antioxidant properties.</p> <p>Functional properties of protein preparations.</p> <p>Dietary <i>omega-3 and omega-6 polyunsaturated fatty acids</i>, choline, lecithin. Their role in the proper functioning of the nervous and cardiac systems.</p> <p>The latest technologies (including nanotechnology) used in the production of minimally processed, convenient and functional food - benefits and risks.</p>

Food Toxicology	1 + 1	10+10	lecture + conv.	summer	<p>Introduction to toxicology: The evolution of the definition of toxicology - from the study of poisons to risk assessment. Historical outline of toxicology and fields of toxicology. Poison: dose and measure of toxicity - basic definitions and causes of poisoning.</p> <p>Absorption and distribution of toxic compounds. Absorption routes. Protein binding. Accumulation of toxic compounds. Penetration through intra-body barriers. Interactions of foreign substances in the body, among others complex actions, synergism, antagonism. Biotransformation (metabolism) and excretion of toxic compounds. Phase I, II and III of reactions. Ways of excretion from the system.</p> <p>Food toxicology - area and directions of research. Natural poisons. Chemical contamination of food (pesticides, metals harmful to health, dioxins and PCBs, processing toxicants). Estimation of exposure to toxic compounds present in food and risk assessment for human health.</p>
Food safety and hygiene	1 + 2	10 + 10	lecture + conv.	winter	<p>The aim of the course is to familiarize students with the issues of food hygiene understood as the creation of conditions for the production of quality care, which is mostly safe from the point of view of consumer health.</p>
Physiology of human nutrition	1	15	lecture	winter	<p>Body weight and body composition. Distribution of water and electrolytes. Water balance regulation. Regulation of electrolyte balance - sodium, potassium, calcium, phosphorus and chlorine.</p> <p>Regulation of fluid volume in the extracellular and</p>

					interstitial space. Acid-base economy. Minerals and their importance in nutrition. Trace elements, vitamins - importance, demand. Human metabolism and modulating factors. Obtaining energy from food. Control of the energy released by cells. Nervous and hormonal regulation of metabolic changes. Digestion and absorption of carbohydrates - characteristics, sources, metabolism, demand. Dietary fiber and its role. Digestion, absorption and metabolism of fats. Protein digestion and absorption - characteristics, sources, metabolism, demand.
The role of intestinal microbiota and the impact on human health *)	1	15	conv.	summer	<p>The aim of the course is inform students with the role of intestinal microbiota and its positive and negative impact on the human body.</p> <p>The main topics of the course: Formation of the microbiota of the human digestive tract. Distribution of microbiota in the digestive tract Factors affecting microbiota modification. Functions of the intestinal microbiota. The effect of intestinal microbiota on human health.</p> <p>*) course to choose, its implementation depends on the choice of students</p>
Food quality and safety management	1+3	15 + 30	lecture + conv.	summer	The aim of the course is to familiarize students with quality management systems (ISO 9000, BRC, IFS, TQM etc) and the food safety management system (ISO 22000).
Modern trends in food analytics	1	15	lecture	summer	The aim of the course is to provide students with knowledge of the theoretical foundations of modern instrumental methods used in food analysis and safety and quality control. Lecture topics include instrumental methods in the analysis of physical properties of food,

					including rheometry, texture analysis and differential scanning calorimetry. Theoretical attitudes and the use of UV-Vis spectrophotometry and spectrofluorimetry in food analysis and instrumental color analysis. Chromatographic techniques: gas, liquid, ion and gel chromatography. In addition, the use of other separation techniques including capillary electrophoresis. Fundamentals and application of atomic absorption and emission spectrometry.
Modern trends in food analytics	1	15	conv.	summer	The aim of the course is to provide students with knowledge of the practical use of instrumental methods used in food analysis and safety and quality control. The basis of the course are presentations prepared by students on the instrumental determination of food ingredients, additional substances and chemical impurities that may occur in food.
Selected aspects of production of plant commodities *)	1	15	lecture	summer	The aim of the module is to deliver the knowledge of the classification of plant-food commodities as well as the aspects governing their quality, including chosen processing and preservation technologies.

*) course to choose, its implementation depends on the choice of students

Physics

Course title	ECTS	Hours	Form	Semester (Winter/ Summer)	Course description
<p style="text-align: center;">Physical laboratory I Dr Brągiel Piotr</p>	2	30	lab.	winter	<p>The course is designed to stimulate self-planning complex physics experiments including different measurement methods: handle complex measuring systems, accurate the measurements. Extending the knowledge of the development and interpretation of measurement results, a statistical method of analysis of the results and statistical inference.</p>
<p style="text-align: center;">Physical laboratory II Dr Brągiel Piotr</p>	6	45	lab.	summer	<p>The aim of the activities in the field of Physics Laboratory II:</p> <ul style="list-style-type: none"> - to gain knowledge on the distribution of materials in terms of physical properties with particular emphasis on mechanical and thermal properties. - Acquiring knowledge of mechanics and transport phenomena associated with heat - Understanding the construction and operation of basic measurement devices (analog and digital) - Acquiring skills of organizing, planning and conducting laboratory experiments
<p style="text-align: center;">Information science along with elements of programming Dr Miedziński Rafał</p>	1	15h	lecture	winter	<p>The aim of the course is conducted to provide knowledge of the basics of computer science and to acquire basic programming skills in application to application software and database.</p>

Information science along with elements of programming Dr Miedziński Rafał	3	45h	lab.	winter	The aim of the course is conducted to provide knowledge of the basics of computer science and to acquire basic programming skills in application to application software and database.
Computer simulation methods in solid-state physics Dr Szczęśniak Dominik	1	15	lecture	summer	The course aims to master theoretical models underlying computer simulations of solids states. During the lecture, quantum-physical and quantum-chemical models will be discussed. In particular, the classes will be conducted on the basis of tight binding approximation methodologies and density functional theory. The principles of designing and conducting computer simulations based on the above theoretical models will also be discussed.
Computer simulation methods in solid-state physics Dr Szczęśniak Dominik	1	15	lecture	winter	The course is aimed at the student's mastery of the basic principles of design and conduct computer simulations and quantum chemical-physical properties of solids. The student should master the skills of analysis of the results of theoretical calculations and to compare them with empirical data.
	2	15	lab.		
Quantum theory of electron transport Dr Szczęśniak Dominik	2	15	lecture	winter	1. The perturbation method and other approximations. Stationary (time-independent) perturbation. United degenerate and decentralized generated. Unsteady (time dependent) perturbation. Variational method. 2. theory of scattering. Partial waves. Scattering cross section. Scattering amplitude. The phase shift (partial wave). Born approximation (description independent of time). 3. The theory of representations (representation). Schroedinger picture. Heisenberg picture. Image Tomonaga (Feynman). Integrals along trajectories.
	1	15	practice		

					The equivalence of different representations.
Elements of Theoretical Mechanics Dr hab. Piasecki Michał	2	30	lecture	summer	Understanding the role of the quantitative model and abstract description of an object and a physical phenomenon; learning the basic formulations of classical mechanics; acquiring the ability to correctly formulate Lagrangian and Hamiltonian descriptions for simple problems of mechanics.
	1	15	seminar		
Mathematical methods of physics Dr hab. Bąk Zygmunt, dr hab. Piasecki Michał	1	15	lecture	winter	The aim of the course is to acquire the ability to formulate and solve physical problems, based on the computational methods of multivariate mathematical analysis, algebra and group theory
	2	30	classes		
Semiconductor physics Prof. Brik Mikhail	2	30	lecture	winter	The aim of the course is to acquire knowledge about the kinds of materials in relation to the electric properties of charge carrier transport in various semiconductor structures, learning about the structure and principles of operation basic semiconductor elements (diodes, transistors, solar cells, semiconductor photoelements)
Theoretical physics Prof. Brik Mikhail	2	15	lecture	winter	Acquiring knowledge of classical physics in terms of Lagrange and Hamilton's mechanics based on the principle of least action
	1	15	seminar		

Numerical methods Prof. Mandowski Arkadiusz	1	15	lecture	winter	The aim of the course is to familiarize students with the problem of numerical calculations performed with the use of a computer. Selected numerical algorithms often used to solve computational tasks in science and technology will be discussed.
	2	15	lab.		

Computer Science

Course title	ECTS	Hours	Form	Semester (Winter/ Summer)	Course description
Team project	8	30	lab	winter	The aim of the subject is to realize by the student a large IT project using any programming technologies learned during the studies. During the project, students learn about the principles of teamwork and the tools used to manage and organize the project and the source code. It should be a summary and practical verification of the programming knowledge acquired by students to familiarize themselves with online technologies and services.
Engineering project	6	15	lab	winter	Preparing the student for independent implementation of the engineering task in the form of a project along with the preparation of documentation.
Seminar (for the specialty of computer graphics)	8	30	lab	winter	The subject of the seminar depends on the specialty and the teacher.

Seminar (for specialization in software engineering)	8	30	lab	winter	The subject of the seminar depends on the specialty and the teacher.
Fundamentals of artificial intelligence	6	58	lecture, lab	summer	The aim of the lecture is to familiarize students with the basic methods of artificial intelligence and their practical applications. The aim of the laboratory is for students to acquire practical skills in creating software that requires the use of artificial intelligence algorithms.
Languages, automata, and grammars	3	30	lecture, lab	summer	The aim of the lecture is to familiarize students with the basic concepts of formal language theory, the basics of finite automata theory and the basics of context-free grammar theory. The purpose of laboratory classes is to shape students' practical skills in the concepts learned during the lecture
Engineering project (for specialization in software engineering)	7	30	lab	summer	Preparing the student for independent implementation of the engineering task in the form of a project along with the preparation of documentation.
Engineering project (for the specialty of computer graphics)	7	30	lab	summer	Preparing the student for independent implementation of the engineering task in the form of a project along with the preparation of documentation.
Programming of computer games	7	58	lecture, lab	summer	The aim of the course is to familiarize students with the way of operation and architecture of popular computer games, the possibilities and methods of using popular computer game engines, ways of solving important problems encountered during computer game programming, and a modern approach to programming

real-time graphics.

Innovative Technologies and Advanced Materials

Course title	ECTS	Hours	Form	Semester (Winter/ Summer)	Course description
Computer Aided Design dr inż. Dorian Skrobek	6	75	lecture + lab.	summer	The aims course is to prepare students for the implementation of a design task using advanced tools to support the engineers' work. Students will learn the principles of engineering design in CAD software and they will make an individual project based on the instructions developed by the academic teacher.
Computational Fluid Dynamics dr inż. Karolina Grabowska	4	60	Lecture + lab.	winter	The course includes learning of theoretical and practical issues of computational fluid dynamics required to conduct engineering simulations of fluids flow using Ansys Fluent software. Fluent software contains the broad, physical modeling capabilities needed to model flow, turbulence, heat transfer and reactions for industrial applications.
Engineering project I dr hab inż. Jarosław Krzywański, prof. UJD	3	60	lab.	winter	The course aims to prepare the student for the independent realization of engineering tasks using computer-aided design software and numerical simulations. The individually prepared project will be related to the subject of the new product design and optimization. The student's task will be preparing a

					complex report containing the stages of project accomplishment along with a detailed results analysis.
Computer simulations in engineering applications dr hab. inż. Marcin Sosnowski, prof. UJD	4	45	lecture + lab.	summer	The aim of the course is to introduce students to modern computer tools supporting the work of an engineer and to pass on students with the ability to effectively use computer simulation in design.
Management of the innovative projects dr inż. Rafał Głębocki	2	15	worksho ps	summer	In the present world of vast information flow and the need for fast adjustment of innovative products and services, project work has gained popularity. There arises the necessity of professional project management (PM). The course aims to equip the participants in the know-how – from planning through implementation to the evaluation of project outcomes. Students develop practical PM skills through the hybrid of traditional and modern methodologies. They learn to lead collaboration processes – teamwork – by cloud computing tools. At the end of the course, students submit a project proposal. It can be processed further, e.g., when trying to find the project funding.
Numerical methods in mechanics dr inż. Anna Kułakowska	5	90	lecture + lab.	winter	The aim of a course is the introduction to using numerical methods in engineering. The students will learn how to apply numerical methods to solve different engineering issues, for which there is no analytical solution.
Facultative subject dr inż. Marcin Dyner	4	30	worksho ps	winter	The aim of the course is rising the students' engineering awareness and competencies and to follow the current

					technological achievements related to innovative technologies and materials in a selected field. The program contents are individually selected according to the students' choices in terms of the expected subject topic.
Prototyping using 3D printing technology dr inż. Tomasz Dembiczak	2	30	workshops	winter	The aim of the course is to acquire by the student the skills necessary to make prototypes using 3D printing technology.

Safety Engineering

Course title	ECTS	Hours	Form	Semester (Winter/Summer)	Course description
Safety of Construction Infrastructure dr inż. Karolina Grabowska	2	30	workshop	winter	The main aim of the course is familiarizing students with the classification of building objects based on current legal regulations. Moreover, students will learn the most important threats occurring in the buildings and the principles of ensuring the technical safety of the constructions.
Elements of the Reliability Theory dr hab. Mikhail Selianinau, prof UJD	1	15	lecture	summer	The tasks of the "Elements of Reliability Theory" discipline are to study the basic concepts of the theory of reliability of complex technical systems and their components, the mathematical basis of the reliability theory, qualitative and quantitative characteristics of reliability, factors that affect reliability. Practical methods for calculating reliability

					indices are also being considered.
<p align="center">Information Technology dr Rafał Głębocki</p>	1	15	lab.	winter	<p>In the changing reality of the Network Society, Information Technology (IT) is of paramount significance. The IT course is a mixture of sociological and technological aspects of the contemporary digital world. From Marshall McLuhan (the world as a global village) to Ray Kurzweil (Artificial Intelligence). From the dawn of the Internet to Cloud Computing. The course aims to support students in mastering fundamental and practical IT notions that lead to success - both individually and in the professional environment.</p>
<p align="center">Engineering Project II dr hab. inż. Marcin Sosnowski, prof. UJD</p>	5	60	lab.	winter	<p>The course is conducted in a project form, requiring the student to prepare the solution to an engineering task along with its documentation and the presentation of the research results. The subject enables the student to understand issues related to engineering designing in the field of safety engineering (for example, noise protection, fire protection or anti-electrocution design, and the creation of safety and ergonomics procedures). The subject of the project is individually agreed with the student (according to his/her interests). It involves the designing and solving of an engineering problem in conformance with applicable regulations, i.e. EU directives and PN EN standards, with the use e.g., software programs (such as Inventor).</p>

<p align="center">Project Management dr Rafał Głębocki</p>	1	15	workshop	winter	<p>The present world features vast information flow and the need for fast adjustment of innovative products and services. As project work has gained popularity, there arises the necessity of professional project management (PM). The course aims to equip the participants in the know-how - from planning through implementation to the evaluation of project outcomes. Students develop practical PM skills through the hybrid of traditional and modern methodologies. They learn to lead collaboration processes - teamwork - by cloud computing tools. At the end of the course, students submit a project proposal. It can be processed further, e.g., when trying to find the project funding.</p>
<p align="center">Fire and Explosion Protection dr inż. Karolina Grabowska</p>	2	15	workshop	winter	<p>The course includes learning of fundamentals issues of the technical fire and explosion protection systems. Students will also take part in practical exercises using computer software dedicated to numerical analyses of evacuation from public buildings in case of fire or explosion.</p>
<p align="center">Probabilistic Methods for Engineers dr hab. Mikhail Selianinau, prof UJD</p>	2	30	lecture+ exercises	winter	<p>The "Probabilistic Methods for Engineers" discipline covers the basics of probability theory and mathematical statistics, their most important methods and techniques. Relatively simple mathematical constructions are used. All basic theoretical concepts and abstract theorems are illustrated by typical examples.</p>

<p>Engineering Graphic Design dr hab. inż. Marcin Sosnowski, prof. UJD / dr inż. Dorian Skrobek</p>	5	60	lecture+ lab.	winter	Selected aspects of product development process with a seamless and integrated workflow. Computer-based design solutions for practical engineering projects in 3D CAD software.
<p>Computer Aided Engineering dr hab. inż. Marcin Sosnowski, prof. UJD / dr inż. Dorian Skrobek</p>	3	45	lab.	winter	The course aims at preparing the student for independent implementation of engineering projects using the SolidWorks 2018 software. The range of topics covers the preparation the technical documentation 2D and spatial models 3D. Completion of the course is the result of completing the tasks provided for in the schedule of classes and passing the colloquium with the use of CAD type software.
<p>Methodology of scientific research and their commercialization prof. Małgorzata Makowska-Janusik</p>	2	30	workshop	winter	The aim of teaching the subject is to familiarize students with the basic concepts and assumptions of scientific research to provide knowledge enabling planning, realization and acquisition of research projects. During the course, the student is acquainted with the research process, starting from defining the research problem and hypotheses, through the creation of a research plan, the appropriate selection of research tools and the correct conclusions. The student learns the principles of commercialization of scientific research products and the process of transferring the research results to industry with particular emphasis on respecting copyright.

General mechanics dr inż. Dorian Skrobek	6	60	lecture+ exercises	summer	The aim of teaching the subject is to achieve knowledge from general mechanics. Acquiring necessary knowledge to solve theoretical exercises from statics, dynamics, kinematics.
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Multimedia Engineering

Course title	ECTS	Hours	Form	Semester (Winter/ Summer)	Course description
Microcontrolers Dr R. Miedziński	1	15	lecture	summer	To familiarize students with the problems of programming microcontrollers, designing, building and commissioning electronic circuits. Developing the ability to write software for a selected microcontroller based on the knowledge acquired during the lecture.
	3	30	lab.		
	3	30	Lab.		
Digital audio circuits Dr K. Chamerański	2	30	Lecture	summer	To acquaint students with the structure, principle of operation and methods of controlling and programming digital integrated circuits used in audio technology.
	5	30	Lab.		
Introduction to acoustics Dr R. Miedziński	2	15	lecture	summer	During the classes, the content concerning the propagation of sounds in confined spaces will be discussed. Issues related to reverberation, absorption,
	1	15	practice		

					dispersion and reflection of acoustic energy from acoustic systems will be discussed.
Development of multimedia educational applications Dr. R. Głębocki	4	45	lab.	winter	The aim of the subject is to familiarize students with the tools to create multimedia educational applications, and by methods how to use them in practice.
Discrete Mathematics Dr hab J. Grygiel	2	30	lecture	winter	Knowing the selected concepts and methods of mathematics and their applications in computer science, manufacturing skills of the taking of evidence by complete induction and solving simple recursion, show different counting methods and techniques of combinatorial objects, education, ability to solve simple problems using algorithmic number theory and the language of graph theory.
	4	30	practise		
Python programming basics Dr hab. A. Zbrzezny	2	30	lecture	winter	The aim of the lecture is to familiarize students with the basics of programming on the example of Python 3. The aim of the laboratory classes is to shape students' practical skills in programming with the use of Python 3.
	4	30	lab.		
Introduction to geometrical optics Dr hab. E. Mandowska	3	30	lecture	winter	Classes will cover issues related to geometrical optics. Elements of photometry, wave optics and spectroscopy will also be introduced.
	2	30	practise		

Forensics and Security Systems

Course title	ECTS	Hours	Form	Semester (Winter/ Summer)	Course description
<p style="text-align: center;">Selected Aspects of Mechatronics</p> <p>dr inż. Anna Kułakowska</p>	5	45	lecture + lab.	winter	The practical application of mechatronic systems to build and optimize the operation of security systems
<p style="text-align: center;">Basics of Material Science</p> <p>dr inż. Joanna Świątek-Prokop</p>	3	30	lecture + lab.	winter	Mechanical properties testing methods and non-destructive testing methods used in forensics
<p style="text-align: center;">Phonoscopy</p> <p>dr hab. Małgorzata Hyla</p>	2	15	lab.	winter	Practical aspects of recording, analysis and correction of sounds in forensic applications
<p style="text-align: center;">Physicochemical methods in forensics</p> <p>dr Joanna Kończyk</p>	4	45	lecture + lab.	winter	Planning and conducting analyses of physicochemical forensic traces
<p style="text-align: center;">Fundamentals of toxicology</p> <p>dr hab. Piotr Rychter, prof. UJD</p>	4	30	lecture + lab.	summer	Acquiring knowledge related to the problems of poisons present in the environment. Getting to know the dangers of ingesting toxic substances (fate in the body).

Selected Aspects of Physics dr hab. Alina Gil, prof. UJD	6	45	lecture + lab.+ exercises	summer	Physical phenomena and processes in forensics and security systems
Introduction to Forensic Science Techniques dr Waldemar Krawczyk	8	75	lecture + lab. + workshop	summer	Forensic techniques, visual inspection and trace protection, functioning of forensic databases
Cybercrime dr Rafał Głębocki	2	15	conv.	summer	Basic principles of cyberspace protection and the fight against cybercrime including legal aspects

Mathematics

Course title	ECTS	Hours	Form	Semester (Winter/Summer)	Course description
Diploma seminar Prof. Jurij Povstenko	14	5	seminar	summer	Objective of the course: 1) Developing the ability to draw conclusions based on conducted research 2) Developing the skill of using a clear and precise language 3) Improving computer techniques for scientific text editing

					4) Ability to present prepared work - self-presentation
Abstract algebra Dr hab. Joanna Grygiel	3	28	lecture	summer	Presentation of the basic concepts and theorems of abstract algebra.
	4	30	classes		
Optimization methods Prof. Jurij Povstenko	1	15	lecture	summer	Practical aspects of recording, analysis and correction of sounds in forensic applications
	2	15	classes		
Computer warehouse at LaTeX Dr Renata Kawa	1	15	lab	summer	The aim of the laboratory is to familiarize students with the practical rules of computer typesetting in the LaTeX system.
Numerical Methods Prof. Jurij Povstenko	1	15	lecture	winter	Getting students acquainted with the basic numerical methods and algorithms: interpolation and approximation of functions, numerical differentiation, numerical integration, numerical solving nonlinear equations and systems of linear equations.
	2	15	lab.		
Linear algebra 1 Dr Renata Kawa	2	30	Lecture	winter	The fields of real and complex numbers. Systems of linear equations. Matrices and determinants. General linear equations.
	3	30	classes		
Geometry Dr hab. Joanna Grygiel	3	30	Lecture	winter	Describing geometric concepts with the use of algebra.
	3	30	classes		

Introduction to logic and set theory Dr Grzegorz Sitek	2	30	Lecture	winter	Developing the ability to use propositional calculus and quantifiers in conducting reasoning; performing actions on sets and functions; interpreting problems from various fields of mathematics in the language of set theory; understanding issues related to the order in sets and the concept of the power of a set.
	3	30	classes		

Faculty of Law & Economics

Accounting and Taxation

Course title	ECTS	Hours	Form	Semester (Winter/ Summer)	Course description
<p>Payroll and HR Software Systems Mgr Beata Wolna</p>	3	30	Labs	winter	<p>The course is developed to acquaint students with payroll and HR aspects. After completing the course, the student will acquire practical skills on keeping personal files, recording and settling employees' working time and leaves, calculating and documenting remunerations, bonuses and payments based on civil law contracts. The student will also be acquired with practical ability to use payroll and HR software programs, such as the ZUS electronic services platform (PŁATNIK), which allows preparation, verification and sending insurance documents to the Social Insurance Institution in Poland (ZUS) via the electronic platform.</p>
<p>Finance Dr Piotr Zasępa</p>	6	45	Lectures- final exam Internshi ps	winter	<p>This course is a study programme designed on fundamentals of business finance. It covers basic financial principles such as money, banking and interest rates. Also there are discussed in details such aspects as: global financial system, time value of money, risk and return, basic concepts in international business and global finance, and the use of accounting for financial decision-making. The main purpose of the course is to provide students with basic financial background necessary to</p>

					understand the corporate segments of the economy.
Basics of Accounting Mgr Beata Wolna	6	60	Lectures –final exam Internships	winter	During the course the student will get knowledge on basics of accounting. After completing the course, the student will be familiarized with principles of accounting, accounting standards, bookkeeping principles and the role of accounting in business entities.
Introduction to Tax Law Dr Aleksander Słysz	6	30	Lectures – final exam	winter	Objective of the course is to familiarize the student with tax law. After completing the course the student will be able to use the basic concepts of tax law. The student will acquire knowledge on tax system.
Local taxes and charges	3	15	Workgroups- credit with a grade	winter	The aim of the course is to familiarize the student with public and government agency charges and fees to be paid for state and local government services. After completing the course, the student will be able to calculate the fees and charges. The student will have the knowledge on legal bases to calculate charges and fees paid for local governments.
Value added tax	5	30	Lecture/ workshop	winter	Gaining knowledge about indirect taxes and turnover taxes as well as the ideas and principles of value added tax, as well as the common VAT system, sources of law and relations between them. Mastering by the student detailed information on the construction elements of the tax on goods and services. Familiarizing students with special procedures, the reverse charge procedure and formal obligations imposed on taxpayers. Acquiring the ability to apply standards in specific cases (case studies).

Elements of civil law	1	15	Workshop	winter	Sources of civil law. Application of civil law. Contracts in trade. Preparation of contract conclusion - letters of intent, framework contracts, preliminary contracts. Subject law. Physical people. Legal persons. Legal actions and other civil law events. Elements of the law of obligations - the concept of obligation, debt and liability, contractual obligations. Ownership. Sales agreement. Liability under the warranty. Statutory representation, power of attorney, proxy.
Value added tax	5	30	Lecture/workshop	winter	Gaining knowledge about indirect taxes and turnover taxes as well as the ideas and principles of value added tax, as well as the common VAT system, sources of law and relations between them. Mastering by the student detailed information on the construction elements of the tax on goods and services. Familiarizing students with special procedures, the reverse charge procedure and formal obligations imposed on taxpayers. Acquiring the ability to apply standards in specific cases (case studies).
Elective Courses I	1	15	Lectures – credits, no assessment	summer	
Basics of Economics Dr Piotr Zasepa	5	30	Lectures - exam Internships – credit with a	summer	The aim of the course is to familiarize the student with principles governing economics. After completing the course the student will be acquainted with concepts, selected economic laws and principles of economic analysis. The student will be able to identify and analyze factors

			grade		concerning micro- and macroeconomic environments of the enterprise.
Financial Accounting Mgr Beata Wolna	6	45	Lectures – final exam Internships - credit with a grade	summer	Objective of the course is to get student familiar with financial accounting principles. After the course student will be able to: <ul style="list-style-type: none"> ▪ Understand accounting terms and general financial accounting principles <ul style="list-style-type: none"> ▪ Understand how financial statements are constructed <ul style="list-style-type: none"> ▪ Read financial statements ▪ Undertake actions on decreasing basic economic operations
IT Accounting Systems (AIS) Mgr Beata Wolna	3	30	Labs – credit Internships with a grade	summer	During the course student will undertake actions to collect, store and process financial and accounting data by using computer-based methods for tracking accounting activities and bookkeeping by using AIS. The accounting cycle in SME relating to revenue, expenses, accounting and tax information through issuing analysis reports, requisitions, invoices, checking registers, inventory, payroll and providing financial statements will be the main concern of this course.
Elective courses III	2	30	Lectures – credit without assessment	summer	

<p align="center">Tax Accounting Dr Izabela Bagińska</p>	6	30	Lectures - exam Internships - credit with a grade	summer	<p>The course is targeted to acquaint the student with issues on tax accounting. After completing the course, the student will be able to apply in praxis legal regulations regarding tax accounting.</p> <p>The student will have knowledge on principles of business taxation.</p>
<p align="center">Simplified forms of accounting for tax purposes</p>	3	30	Workshop	summer	<p>During the course, the student is assumed to acquire the ability to keep documentation in accordance with the appropriate form of taxation for a given entrepreneur. Students will learn theoretically and practically the rules of keeping a tax book of revenues and expenses, preparing and storing documents, keeping sales records, records of fixed assets, intangible assets and equipment, and records of tax on goods and services.</p>
<p align="center">Elective courses 2</p>	2	15	Workshop	summer	

Economics

Course title	ECTS	Hours	Form	Semester (Winter/ Summer)	Course description
Financial Controlling	3	30	Workshops	winter	The subject of the workshop focuses on the basic concepts and categories used in controlling. The relations and practical implications between economic sciences and controlling will be presented. The scope of controlling and a controller's work, as well as his/her duties, tasks and competences will be presented. Elements of management decentralization, general theories related to costs, profitability, budgeting and the financial result of the enterprise will also be discussed. The subject matter of the course will be extended to include an overview of the controlling instruments.
Basics of Management	5	45	Lectures, Seminars	winter	The syllabus of the course includes knowledge of organizational and management concepts. The classes are meant to develop the ability to identify and analyse problems in the area of business management and to use appropriate tools to solve these problems. These skills will be acquired as a result of discussing numerous practical cases, as well as after various forms of independent work of the Students during the classes. The method of conducting classes gives students the opportunity to actively participate in discussions and in team analysis of the problems. This influences the formation of cooperative

					attitudes and the development of competences preparing for work in a managerial position.
The Basics of finance	5	45	Lectures, Seminars	winter	The syllabus of the course covers the basics of knowledge on the concepts of the functioning of institutions shaping the economy, financial phenomena occurring in the economic and business entities. The essence and functions of finance. During the course, issues related to the systematics of financial phenomena - functional and subjective will be discussed; creation, functions and types of money; Moreover, the syllabus includes issues such as: Financial policy and its functions - the content of the financial policy and its stabilization, allocation and redistribution function; The role of finance in the creation, exchange and distribution of a social product; Public finance sector - structure of the sector, public revenues and expenses, budget and its instruments influencing the economy, finances of local government, budget deficit and public debt; the outline of the banking system and monetary policy; elements of social and economic insurance; Capital market; the Finance of the European Union. Finance of enterprises - organizational and legal forms of economic activity, basic principles of financial management of enterprises.
Tax Systems	3	30	seminars	winter	The syllabus of the course concerns the familiarization with the basic terminology of taxes and the mechanisms of the Polish tax system. Students will be acquainted with the evolution of views on the role of taxes in various scientific theories and with the issues of "systemic tax law". During the classes, the tax law system and its structure will be

					discussed. The constitutional tax bases, sources of tax law, tax obligations and liabilities, types of taxes will be presented. Customs procedures and customs proceedings will be presented. Judicial case law will be analysed. An outline of tax systems in selected EU countries will be presented.
Management Accounting	4	45	Lectures, Workshops	winter	<p>The contents of the syllabus focus on the transfer of knowledge about the basic types of decision-making problems of the enterprise and the methodology of solving them. The issues of accounting principles, methods and tools in the context of individual management functions at the operational and strategic level will be discussed. During the course, the essence of strategic and operational management accounting will be presented. The ability to analyse the break-even point in current management and to estimate the variables necessary to assess the effectiveness of long-term decisions will be developed. Students will learn about the classification of costs for the management and presentation of cost accounting systems - full and variable.</p>
Microeconomics	5	60	Lectures Classes	winter	<p>During the course, methods of microeconomic analysis are presented along with examples of their practical applications. In particular, the emphasis is placed on the analysis of the following problems: the subject of economics; economic choice; market, demand, supply, demand and supply elasticity; participants in economic life; enterprise: organization, production function, costs, revenues and profits; models of extreme market structures: perfect competition and monopoly; markets</p>

					for factors of production. The aim is to learn the subject and acquire knowledge of the basics of microeconomics as well as master the language and basic tools of microeconomic analysis. Developing the skills of critical thinking in economic terms by relating theoretical knowledge to economic phenomena occurring at the level of the enterprise and industry.
The Basics of Civil Law	5	45	Lectures Classes	winter	The syllabus covers issues related to the general part of civil law, elements of property law and selected issues from the general part of the law of obligations. The aim of the course is to familiarize participants with the basic issues and concepts of civil law, in particular the assumptions of the civil law method of regulation, principles of civil law, sources of law, the concept of a civil law relationship, subjective rights and rights, categories of subjects of civil law relations, subject matter of civil law relations, the concept and classification of events legal transactions, with particular emphasis on legal actions.
Bookkeeping	4	45	Lectures Workshops	summer	The course includes knowledge of the concepts of accountancy as an information system. The basic concepts are related to: balance sheet (assets, liabilities and balance sheet principle), profit and loss account (income and costs versus receipts and expenses), overriding accounting principles and economic operations. Issues related to the bookkeeping account and its functioning will be discussed, as well as the statutory tasks of units in the field of accounting - subject scope (including: financial statements) and units obliged to keep accounting - subject

					scope.
Public Finances	4	45	Lectures Classes	summer	<p>During the course students will be introduced to the organization, legal mechanisms and structure of public finance. The course contents will aim to provide knowledge and skills in the functioning of the public finance sector and financial markets. The subject will outline the existing connections between public finance and market economy, as well as present the role of the state and local governments in the economy. The course will define functions and tasks of the public finance sector and the market financial system in the economy, as well as point out their interconnections and interdependencies.</p> <p>The aim of the course is also to make students familiar with the most important theories in finance and banking.</p>
Mathematics	5	45	Lectures Classes	summer	<p>The content of the course syllabus will include knowledge of the concepts of mathematical logic, linear algebra, matrix operations, mathematical analysis, differentiation and elements of integral calculus. The classes will foster the development of skills in solving tasks from the discussed range. Such skills can only be attained by solving numerous tasks.</p>
Sociology	3	30	Lectures Classes	summer	<p>The course will present issues related to the origins of sociology. Students will learn about the laws and social regularities that constitute the subject of sociology. The relationship of sociology to family economics will be addressed. The main theoretical trends in sociology will be discussed. The main theoretical trends in sociology and the basic problems and concepts of sociology will be</p>

					discussed. Students will expand their knowledge of sociological sub-disciplines.
International Economic Relations	3	30	Lectures Classes	summer	<p>The course contents include knowledge of the concepts of the world economy and international economic relations, their evolution, causes and consequences. Demonstration of cause and effect relationships in international economic relations. To provide the basis for students to use basic trade theory, principles of foreign trade policy and exchange rates as well as the theory of international factor flows to analyze problems occurring in economic practice.</p> <p>To introduce them to the institutional structure of the world economy (IMF, World Bank, WTO, OECD) and the balance of payments. The classes foster the development of skills in identifying and analysing problems in the world economy and international economic relations and use of tools that enable to solve these problems.</p>
Econometrics	4	30	Lectures Workshops	summer	<p>The syllabus content of the course will include knowledge of the concepts of econometric models and the stages of their creation. The classes foster the development of skills in estimating multivariate regression models, nonlinear models, modelling of selected decision problems and types of optimization models.</p>
European project management	3	30	Lectures Workshops	summer	<p>The course contents cover the basic concepts and principles of European project management. The course will review EU programmes and funds from recent years. The structure of project planning will be discussed along with economic, financial and risk analysis. Students will expand their knowledge by analysing the project's sensitivity to change and will prepare an idea and assumptions for their own project.</p>

Market Analysis	4	45	Workshops	summer	<p>The course contents cover issues related to the basics of market analysis. During the course, students will learn how to analyze the environment of an enterprise, competition, and the development of market phenomena over time. They will broaden their knowledge by studying the inertia and adaptability of market phenomena. They will become familiar with cause-effect analysis of market phenomena and learn various methods of market analysis, such as BCG matrix or SWOT analysis.</p>
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Faculty of Fine Arts

Artistic Education in Music

Course title	ECTS	Hours	Form	Semester (Winter/ Summer)	Course description
<p>Piano</p> <p>dr hab. Barbara Karaśkiewicz, prof. UJD</p> <p>dr hab. Maciej Zagórski, prof.UJD</p> <p>dr hab. Robert Gawroński, prof.UJD</p> <p>dr Jakub Brawata</p>	3	10	lab.	winter, summer	Individual instruction includes repertoire, technical and musical problems, performing experience and understanding of teaching strategies. Goals and repertoire will be decided at the initial meeting for the term.
<p>Ear Training</p> <p>dr Anna Stachura- Bogusławska</p>	3	30	conv.	winter, summer	The study of sight singing and techniques for hearing and notating melody and harmony.
<p>Conducting</p> <p>prof. Jerzy Swoboda</p> <p>dr hab. Lesław Podolski, prof. UJD,</p>	3	10	lab.	winter, summer	Basic baton technique and score reading for choral and instrumental conducting.

<p>Instrumental Ensembles dr hab. Lesław Podolski, prof. UJD</p>	3	15	conv.	winter, summer	An entertainment-oriented instrumental ensemble. Focus on conducting strategies, rehearsal techniques, performance programming and music arranging for instrumental groups. The group performs public concerts each semester.
<p>Vocal Ensembles dr hab. Przemysław Jeziorowski, prof. UJD</p>	2	15	ex.	winter, summer	This course includes the study and performance of works representative of a wide spectrum of literature designed for a small vocal ensemble.
<p>Additional Instrument (one selected):</p> <p>Accordion – dr hab. Ewa Grabowska- Lis, prof. UJD</p> <p>Guitar – dr hab. Ewa Jabłczyńska, prof. UJD</p> <p>Percussion – mgr Wojciech Gorzelak</p> <p>Organ – mgr Jakub Baszczyk</p>	3	10	lab.	winter, summer	Individual instruction includes repertoire, technical and musical problems, performing experience and understanding of teaching strategies of selected instrument. Goals and repertoire will be decided at the initial meeting for the term.
<p>Music History dr Anna Stachura Bogusławska, dr Marta Popowska</p>	3	10	lecture	winter, summer	History of western art music from ancient Greece to the present.

<p style="text-align: center;">Choir dr hab. Przemysław Jeziorowski, prof. UJD</p>	1	30	ex.	winter, summer	<p>This course includes the study and performance of works representative of a wide spectrum of literature designed for a large vocal ensemble. In this course, students will participate in weekly rehearsals. Emphasis will be given to stylistic integrity, as well as melodic, harmonic, and rhythmic accuracy. Concert performances each semester.</p>
<p>Computer Applications in Music mgr Marek Kudra</p>	2	20	lab.	winter, summer	<p>Study of computer technology and music software applications. Emphasis is placed upon using Sibelius software for electronic score notation.</p>
<p>Analysis of the Musical Work dr Marta Popowska</p>	2	30	lecture + Ex.	winter, summer	<p>Theoretical study of music through written exercises including melody, harmony, rhythm, form and analysis.</p>
<p>Jazz Improvisation dr Korneliusz Wiatr</p>	2	15	lab.	winter, summer	<p>Development of musical improvisational skills as related to the style of Jazz music. The purpose of this course is to motivate the student to acquire a method of studying and performing the basic elements of improvisation through the learning of jazz articulation and phrasing, idiomatic melodic patterns and phrases.</p>
<p>Voice emission dr Anna Noworzyn-Sławińska</p>	2	15	lab.	winter, summer	<p>Individual singing technique learning. Repertoire is selected from a classic and popular music.</p>
<p>Stage Movement mgr Izabella Witek</p>	1	15	ex.	winter, summer	<p>This course explores the movement skills necessary for the performers, actors and musicians with emphasis on physical training and practical application in realistic and abstract performance efforts. Students gain a better understanding of how dance and choreography create and bring dramatic elements to life.</p>

Artistic Workshop Dr Jakub Brawata	1	15	lab.	winter, summer	Provides performance opportunities for instrumentalists who want to expand their musicianship skills. Repertoire will range from duos to larger ensembles in different musical styles.
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Music in Public Space

Course title	ECTS	Hours	Form	Semester (Winter/ Summer)	Course description
Piano dr hab. Barbara Karaśkiewicz, prof. UJD dr hab. Maciej Zagórski, prof.UJD dr hab. Robert Gawroński, prof.UJD dr Jakub Brawata	4	10	lab.	winter, summer	Individual instruction includes repertoire, technical and musical problems, performing experience and understanding of teaching strategies. Goals and repertoire will be decided at the initial meeting for the term.
Ear Training dr Anna Stachura- Bogusławska	2	30	conv.	winter, summer	The study of sight singing and techniques for hearing and notating melody and harmony.
Conducting prof. Jerzy Swoboda	3	10	lab.	winter, summer	Basic baton technique and score reading for choral and instrumental conducting.

dr hab. Lesław Podolski, prof. UJD					
Instrumental Ensembles dr hab. Lesław Podolski, prof. UJD	2	15	conv.	winter, summer	An entertainment-oriented instrumental ensemble. Focus on conducting strategies, rehearsal techniques, performance programming and music arranging for instrumental groups. The group performs public concerts each semester.
Vocal Ensembles dr hab. Przemysław Jeziorowski, prof. UJD	1	15	ex.	winter, summer	This course includes the study and performance of works representative of a wide spectrum of literature designed for a small vocal ensemble.
Additional Instrument (one selected): Accordion – dr hab. Ewa Grabowska- Lis, prof. UJD Guitar – dr hab. Ewa Jabłczyńska, prof. UJD Percussion – mgr Wojciech Gorzelak Organ – mgr Jakub Baszczyk	5	10	lab.	winter, summer	Individual instruction includes repertoire, technical and musical problems, performing experience and understanding of teaching strategies of selected instrument. Goals and repertoire will be decided at the initial meeting for the term.
Music History dr Anna Stachura Bogusławska, dr Marta Popowska	2	10	lecture	winter, summer	History of western art music from ancient Greece to the present.

Choir dr hab. Przemysław Jeziorowski, prof. UJD	1	30	ex.	winter, summer	This course includes the study and performance of works representative of a wide spectrum of literature designed for a large vocal ensemble. In this course, students will participate in weekly rehearsals. Emphasis will be given to stylistic integrity, as well as melodic, harmonic, and rhythmic accuracy. Concert performances each semester.
Vocal Technique and Diction mgr Joanna Świniarska	1	15	lab.	winter, summer	Discussion and development of vocal technique, terminology, and anatomy.
Computer Applications in Music mgr Marek Kudra	1	15	Lab.	summer	Study of computer technology and music software applications. Emphasis is placed upon using Sibelius software for electronic score notation.
Analysis of the Musical Work dr Marta Popowska	2	30	lecture + Ex.	winter, summer	Theoretical study of music through written exercises including melody, harmony, rhythm, form and analysis.
History of Jazz dr Korneliusz Wiatr	1	15	lecture	winter, summer	This course is designed to introduce students to the history and cultural contexts of jazz and blues music.
Jazz Improvisation dr Korneliusz Wiatr	1	15	lab.	winter, summer	Development of musical improvisational skills as related to the style of Jazz music. The purpose of this course is to motivate the student to acquire a method of studying and performing the basic elements of improvisation through the learning of jazz articulation and phrasing, idiomatic melodic patterns and phrases.
Vocal Performance Mgr Joanna Świniarska	4	15	lab.	winter, summer	Individual instruction in advanced vocal coaching. Designed to develop skilled performers in all areas of vocal techniques. Repertoire is selected from a broad range of

					jazz and popular music. This course will culminate with one or more public performances.
Stage Movement Mgr Izabella Witek	1	15	ex.	winter, summer	This course explores the movement skills necessary for the performers, actors and musicians with emphasis on physical training and practical application in realistic and abstract performance efforts. Students gain a better understanding of how dance and choreography create and bring dramatic elements to life.
Artistic Workshop dr Jakub Brawata	1	15	lab.	summer	Provides performance opportunities for instrumentalists who want to expand their musicianship skills. Repertoire will range from duos to larger ensembles in different musical styles.

Graphics

Course title	ECTS	Hours	Form	Semester (Winter/ Summer)	Course description
Drawing dr Artur Lubos, mgr. Marta Śliwiak, mgr Anna Tarnowska, mgr Aleksandra Jakubczak	4	30	Lab.	winter, summer	The student learns various drawing techniques that awaken creativity, creative imagination and sense observation.
Artistic and design graphics. Classic, multigraphic and experimental techniques. Workshop 1	8	90	Lab.	winter, summer	Expanding knowledge about classic relief printing technologies, graphic experiment and searching for your own design language

mgr Aleksandra Lason, mgr Anna Tarnowska					
Artistic and design graphics. Classic, multigraphic and experimental techniques. Workshop 2 dr Barbara Czapor-Zareba	8	90	Lab.	winter, summer	Expanding knowledge about classic gravure printing technologies, graphic experiment and searching for your own design language
Artistic and design graphics. Classic, multigraphic and experimental techniques. Workshop 3 mgr. Marta Śliwiak, mgr Anna Tarnowska, mgr Aleksandra Jakubczak	8	90	Lab.	winter, summer	Expanding knowledge about classic flat printing technologies, graphic experiment and searching for your own design language
Graphic imaging techniques mgr. Marta Śliwiak, mgr Anna Tarnowska, mgr Aleksandra Lason	4	30	Lab.	winter, summer	During the course, the student acquires knowledge of the issues of drawing, graphics, photography, digitally processed image and their mutual relations conditions.
Multimedia graphics / animation dr Paweł Deleka	4	60	Lab.	winter, summer	Realization of artistic statements with the simultaneous use of many graphic media / Ability to use the record of moving photography and to establish a communication discourse in screen and installation presentations

Artistic Education in Visual Arts

Course title	ECTS	Hours	Form	Semester (Winter/ Summer)	Course description
Art History	2	30	Lecture	winter	<p>The course presents the history of art in chronological perspective. During the course the most famous works of art are analyzed and interpreted. The course also focuses on the basic vocabulary used to describe images, sculptures and architecture.</p> <p>1st semester's course concentrates on Prehistorical and Ancient Art.</p>
Art History	2	30	Lecture	summer	<p>The course presents the history of art in chronological perspective. During the course the most famous works of art are analyzed and interpreted. The course also focuses on the basic vocabulary used to describe images, sculptures and architecture.</p> <p>2nd semester's course concentrates on Medieval art</p>
Art History	2	30	Lecture	winter	<p>The course presents the history of art in chronological perspective. During the course the most famous works of art are analyzed and interpreted. The course also focuses on the basic vocabulary used to describe images, sculptures and architecture.</p> <p>3rd semester's course concentrates on Renaissance art</p>

Art History	3	30	Lecture	summer	<p>The course presents the history of art in chronological perspective. During the course the most famous works of art are analyzed and interpreted. The course also focuses on the basic vocabulary used to describe images, sculptures and architecture.</p> <p>4th semester's course concentrates on Baroque art</p>
Art History	4	30	Lecture	winter	<p>The course presents the history of art in chronological perspective. During the course the most famous works of art are analyzed and interpreted. The course also focuses on the basic vocabulary used to describe images, sculptures and architecture.</p> <p>5th semester's course concentrates on the XIX- century art</p>
Issues of Contemporary Art	4	30	Conv.	summer	<p>The course focuses on the contemporary art and key topics and artistic movements which appear after II WW. The contemporary works of art are analyzed in the socio-political and philosophical context. The aim of the course is to develop an ability to interpret contemporary artworks.</p>
Painting	7	60	Ex/Work shop	winter, summer	<p>Practical course aimed to develop the key painting skills. Students in the atelier learn about composition, color and harmony.</p>
Correspondence of Arts	2	15	Ex/Work shop	winter	<p>The aim of the course is to present the complementary nature of artistic creation. The course presents chosen</p>

					examples and techniques which can be engaged in artistic workshops to combine music, theatre, literature and visual arts.
Photography	4	60	Ex/Workshop	winter, summer	Practical course which allows to gain crucial knowledge about photographic creation.

Painting

Course title	ECTS	Hours	Form	Semester (Winter/ Summer)	Course description
History of art dr Agata Strąciwilk	2	30	Lecture	winter, summer	
Painting - graduation studio (dr hab. Bartosz Frączek, prof. UJD)	12	150	Lab.	winter, summer	
Drawing - complementary graduation studio dr hab. Jakub Jakubowski, dr Adam Rokowski, mgr Justyna	10	105	Lab.	winter, summer	

Warwas					
Painting technology dr Adam Rokowski	2	30	Lab.	winter, summer	
Digital image creation and animation mgr. Maciej Jurgielewicz	2	30	Lab.	winter, summer	
Master workshops	3	30	Works.	summer	
Contemporary art analysis dr Agata Strąciwilk	2	15	Lecture	Winter Summer	
Classic painting techniques dr Adam Rokowski	2	15	Lab.	Winter Summer	

Faculty of Humanities

English Philology

Course title	ECTS	Hours	Form	Semester (Winter/ Summer)	Course description
First-Cycle Programme					
Practical English Course – Integrated Skills, Practical Grammar, Communicative Practice, Writing and Text Analysis dr Susanna Stacy Johnson dr Magdalena Raganiewicz dr Katarzyna Bachniak-Walaszek mgr Włodzimierz Kędzierski mgr Agnieszka Pyziak mgr Agata Leśniczek mgr Sylwia Stachurska	10	150	language laboratory	winter (1st year/ 1st semester)	<p>1. Integrated Skills</p> <p>This is a blended course that takes place partially via the Internet and aims at bringing students up to an advanced level of lexical, grammatical and communicative accuracy and fluency. The course develops students' general command of English, systematically enhancing their language competence in reading, writing, listening and speaking skills, expanding their vocabulary range through a variety of lexical exercises, and creating opportunities for implementing the acquired knowledge and skills in effective communication in real-life contexts both in speaking and writing.</p> <p>2. Writing and text analysis:</p> <p>Teaching content:</p> <p>- practising text analysis in terms of their</p>
Practical English Course – Integrated Skills, Practical Grammar, Communicative Practice, Writing and Text Analysis dr Susanna Stacy Johnson dr Magdalena Raganiewicz	8	150	language laboratory	summer (1st year/ 2nd semester)	

dr Katarzyna Bachniak-Walaszek mgr Włodzimierz Kędziński mgr Agnieszka Pyziak mgr Agata Leśniczek mgr Sylwia Stachurska					structure, cohesion and coherence; - developing the skill of critical thinking and planning a written text; - introducing and practising a variety of written forms (descriptions, essays, reports, newspaper articles, summaries)
Practical English Course – Integrated Skills, Practical Grammar, Communicative Practice, Writing and Text Analysis dr Susanna Stacy Johnson dr Magdalena Raganiewicz dr Katarzyna Bachniak-Walaszek mgr Włodzimierz Kędziński mgr Agnieszka Pyziak mgr Agata Leśniczek mgr Sylwia Stachurska	8	120	language laboratory	winter (2nd year/ 3rd semester)	- identifying and writing thesis statements and supporting details; - paraphrasing and writing summaries; - editing a text in terms of grammar, style, and punctuation; - using outside sources, citing sources, how to avoid plagiarism; 3. Speaking Developing communication competence – improving fluency, proper structure in expression, improved vocabulary;
Practical English Course – Integrated Skills, Practical Grammar, Communicative Practice, Writing and Text Analysis dr Susanna Stacy Johnson dr Magdalena Raganiewicz dr Katarzyna Bachniak-Walaszek mgr Włodzimierz Kędziński mgr Agnieszka Pyziak mgr Agata Leśniczek	8	120	language laboratory	summer (2nd year/ 4th semester)	Forming and improving discussion skills – clear and substantive expression of personal or assigned stance on a given topic, responding to opposing positions; students will express themselves at C1 level (CEFR); Improvement of presentation skills (public speaking) – students shall prepare presentations proposed by the instructor from a list of topics and encourage active participation in discussion by classmates; Being aware and perceptive of intercultural

mgr Sylwia Stachurska					differences; Being aware of the ethics code and responsibility for voiced expression.
Practical English Course – Integrated Skills, Practical Grammar, Communicative Practice dr Susanna Stacy Johnson dr Magdalena Raganiewicz dr Katarzyna Bachniak-Walaszek mgr Włodzimierz Kędzierski mgr Agnieszka Pyziak mgr Agata Leśniczek mgr Sylwia Stachurska	8	90	language laboratory	winter (3rd year/ 5th semester)	4. Grammar - Familiarizing learners with grammatical rules in English, both verbally, nouns, adjectives, adverbs, pronouns, the verb, and subordinate clauses and compound coordinates (conjugal sentences of time, place, purpose , reasons, permutations, conditional sentences, dependent speech, inversion, passive); - Educate learners in the correct use and application of grammatical rules for the above grammatical issues; - Strengthening the competence of linguistic communication by automating selected language structures.
Practical English Course – Integrated Skills, Practical Grammar, Communicative Practice dr Susanna Stacy Johnson dr Magdalena Raganiewicz dr Katarzyna Bachniak-Walaszek mgr Włodzimierz Kędzierski mgr Agnieszka Pyziak mgr Agata Leśniczek mgr Justyna Karoń mgr Sylwia Stachurska	8	90	language laboratory	summer (3rd year/ 6th semester)	

<p>English Phonetics mgr Justyna Karoń</p>	3	30	language laboratory	summer (1st year/ 2nd semester)	<p>The course is aimed at:</p> <ul style="list-style-type: none"> - presenting the English phonetic system; - presenting the differences between Polish and English sounds; - making students aware of particular accents and intonation types; - creating the ability to use sounds properly; - working on transcription.
<p>English Phonetics mgr Justyna Karoń</p>	2	30	language laboratory	winter (2nd year/ 3rd semester)	
<p>Descriptive Grammar of English prof. dr hab. Bogusław Bierwiaczonek dr Olga Słabońska dr Zbigniew Kopec</p>	6	45	lecture + exercises	winter (1st year/ 1st semester)	<p>The course is designed for undergraduate students of English as a foreign or second language. It attempts to show students why they need to know about the phonetics and phonology of the English language if they show any interest in language and our knowledge of it. The course introduces the main concepts required to describe speech sounds accurately and is accompanied by a series of lectures on phonetics and phonology. In the second semester, it introduces mainstream linguistic views on word structure, so that any students who wish to move on to more advanced linguistics will not be confronted with too many inconsistencies.</p>
<p>Descriptive Grammar of English prof. dr hab. Bogusław Bierwiaczonek dr Olga Słabońska dr Zbigniew Kopec</p>	6	45	lecture + exercises	summer (1st year/ 2nd semester)	
<p>Descriptive Grammar of English prof. dr hab. Bogusław Bierwiaczonek dr Zbigniew Kopec</p>	4	45	lecture + exercises	winter (2nd year/ 3rd semester)	<p>The course is designed for undergraduate students of English as a foreign or second language. It provides a self-contained, systematic, and coherent introductory</p>

<p>Descriptive Grammar of English prof. dr hab. Bogusław Bierwiaczonek dr Zbigniew Kopec</p>	4	45	lecture + exercises	summer (2nd year/ 4th semester)	picture of English syntax and syntactic theory. It enables students to understand grammar as providing a means of grasping the relation of form to meaning, and meaning to function, in context
<p>History of English-language Literature (History of English Literature) dr Anna Cholewa-Purgał dr Olga Binczyk mgr Agnieszka Pyziak</p>	6	45	lecture + exercises	winter (1st year/ 1st semester)	<p>The course aims at:</p> <ul style="list-style-type: none"> - acquainting students with the development of British literature through the study of major works, genres and conventions in relation to their social, philosophical and cultural contexts; - developing students' analytical and interpretative skills,
<p>History of English-language literature (English Literature) dr Anna Cholewa-Purgał mgr Agnieszka Pyziak</p>	6	45	lecture + exercises	summer (1st year/ 2nd semester)	
<p>History of English-language Literature (English Literature) dr Olga Binczyk</p>	4	45	lecture + exercises	winter (2nd year/ 3rd semester)	
<p>History of English-language Literature (English literature) dr Olga Binczyk</p>	4	45	lecture + exercises	summer (2nd year/ 4th semester)	

<p>History of English-Language Literature - American Literature dr Olga Binczyk</p>	2	15	lecture	winter (3rd year/ 5th semester)	The lecture complements the History of English-language literature course for 1st- and 2nd-year students; its aim is to familiarize students with the development of American literature from its beginnings up to the 21st c., and present the major literary genres and conventions, major aesthetic and philosophical assumptions, and most outstanding authors and works with reference to their historical and cultural context.
<p>Culture of English-Speaking Countries dr Susanna Stacy Johnson</p>	3	30	exercises	winter (1st year/ 1st semester)	The aim of the course is to familiarize students with selected aspects of British and, respectively, American culture.
<p>Chinese Culture and Society* mgr Marta Koceluch</p>	1	15	Excercises (PSW)	summer	The aim of the course is to familiarize students with selected aspects of Chinese culture and society.
Second-Cycle Programme					
<p>Practical English Course – Integrated Skills, Academic Writing and Text Analysis dr Susanna Stacy Johnson</p>	6	60	language laboratory	winter (1st year/ 1st semester)	The course is aimed at: - development of vocabulary on a variety of topics, including idioms, metaphors, proverbs, colocation, phrasal verbs or linguistic expressions;

<p>mgr Sylwia Stachurska mgr Agnieszka Pyziak</p>					<p>- development of reading comprehension skills - anticipation of the information included in the text, identifying the main information and detailed scanning of text, interpretation of the text, guessing meaning from context, identifying various functions and text types;</p>
<p>Practical English Course – Integrated Skills, Academic Writing and Text Analysis dr Susanna Stacy Johnson mgr Sylwia Stachurska mgr Agnieszka Pyziak</p>	6	60	language laboratory	summer (1st year/ 2nd semester)	<p>- development of listening skills - anticipating the information contained in the text, identifying the main information and detailed scanning of text, interpretation of the text, guessing meaning from context, identifying various functions and text types;</p>
<p>Practical English Course – Integrated Skills, Communicative Practice mgr Sylwia Stachurska mgr Włodzimierz Kędzierski</p>	6	60	language laboratory	winter (2nd year/ 3rd semester)	<p>- development of speaking skills - communicative competence development, reduction of communication barriers, the development of speaking skills with an emphasis on the balance between correctness and language liquidity, the development of speaking skills in the following areas: speech short and long, speech transactional, interactive speech, a variety of everyday situations;</p>
<p>Practical English Course – Integrated Skills mgr Sylwia Stachurska</p>	5	30	language laboratory	summer (2nd year/ 4th semester)	<p>- Development of writing skills - analyzing and preparing various types of academic texts</p>
<p>Linguistics: Selected Problems prof. dr hab. Bogusław Bierwiazzonek dr Zbigniew Kopec</p>	4	15	exercises	winter (1st year/ 1st semester)	<p>The aims of the course are: 1. To acquaint the students with the development of semantics over the last forty years, with particular emphasis on</p>

<p>Linguistics: Selected Problems prof. dr hab. Bogusław Bierwiaczonek dr Zbigniew Kopec</p>	5	30	exercises	summer (1st year/ 2nd semester)	<p>cognitive semantics</p> <ol style="list-style-type: none"> 2. To acquaint the students with the theory of conceptual metonymy and metaphor 3. To the teach the students how to identify and analyse metaphoric and metonymic expressions on authentic English texts 4. To acquaint the students with the theory of conceptual integration 5. To teach the students how to identify and analyse complex expressions in terms of conceptual integration
<p>Contemporary English-language Literature dr Olga Binczyk</p>	4	15	exercises	winter (1st year/ 1st semester)	<p>The aim of the lectures is to deepen students' knowledge of contemporary English literature by familiarizing them with the social circumstances and phenomena that accompany the creation, distribution and reception of a literary work, and to make students aware of the links and dependencies between literature and other areas of socio-cultural existence.</p>
<p>Contemporary English-language Literature dr Olga Binczyk</p>	5	30	exercises	summer (1st year/ 2nd semester)	

German philology (courses taught in German)

Course title	ECTS	Hours	Form	Semester (Winter/ Summer)	Course description
<p>Deutsche Literaturgeschichte (Bachelor)</p> <p>Dr hab. Joanna Ławnikowska-Koper Dr hab. Anna Majkiewicz, prof. UJD Dr hab. Anna Szyndler, prof. UJD Dr Agnieszka Reszka</p>	2	15	Vorlesung	Winter (3. Jahr/ 1. Semester)	<p>Im Kurs wird die Entwicklung der Literatur in den deutschsprachigen Ländern nach 1945 im Hinblick auf die historisch-politischen, philosophischen und ästhetischen Tendenzen der Zeit präsentiert, bei der Hervorhebung der führenden Vertreter und der Werke aus dem literarischen Kanon.</p>
<p>Deutschsprachige Literatur der Gegenwart (Master)</p> <p>Dr hab. Joanna Ławnikowska-Koper Dr hab. Anna Majkiewicz, prof. UJD</p>	4/5	15/30		Winter (1. Jahr/ 1. Semester) Sommer (1. Jahr/ 2. Semester)	<p>Im Kurs wird die deutschsprachige Literatur der Gegenwart im Hinblick auf die Theorie des literarischen Feldes präsentiert. Die Studierenden werden mit den neuesten Entwicklungen und Tendenzen in diesem Bereich bekannt gemacht.</p>
<p>Ausgewählte Probleme der Sprachwissenschaft (Master)</p>	4/5	15/30		Winter (1. Jahr/ 1. Semester)	<p>Das Seminar bietet thematische Vertiefung zu ausgewählten Bereichen der Sprachwissenschaft. Ziel des Seminars ist es, dass die Studierenden ein fundiertes</p>

				Semester) Sommer (1. Jahr/ 2. Semester)	theoretisches Wissen über die Sprachgeschichte und über die psychischen und kognitiven Grundlagen von Sprache, Sprachproduktion und Sprachperzeption, über sprachliche Strukturen erwerben. Neben theoretischen Kenntnissen des Fachgebietes werden methodisch-praktische Kompetenzen vermittelt, die eine wissenschaftliche Herangehensweise an den Gegenstand der Sprachwissenschaft und deren Teildisziplinen ermöglichen.
Sprachpraxis (Master)	6/6	60/60		Winter (1. Jahr/ 1. Semester) Sommer (1. Jahr/ 2. Semester)	Ziel des Kurses ist die Entwicklung der deutschen Sprache im Bereich aller Sprachfertigkeiten und Hinführung der Studierenden zum Sprachniveau C1+
Sprachpraxis (Master)	6/5	60/30		Winter (2. Jahr/ 1. Semester) Sommer (2. Jahr/ 2. Semester)	Ziel des Kurses ist die Entwicklung der deutschen Sprache im Bereich aller Sprachfertigkeiten und Hinführung der Studierenden zum Sprachniveau C1/C2

History

Course title	ECTS	Hours	Form	Semester (Winter/ Summer)	Course description
<p style="text-align: center;">Anthropology of historiography. Theory, method and studies dr Norbert Morawiec</p>	1	15	lecture	summer	<p>This course serves as an introduction to some of the basic theories, practices, and problems of anthropology of historiography. We will pay close attention to how cultural structure construct historiographical narratives. Finally, we will examine how historians have assimilated (or not) insights and models from other disciplines, including philosophy, the natural sciences, social and economic theory, literary and anthropology.</p>
<p style="text-align: center;">The Vikings and their role in Early Medieval Europe dr hab. prof. UJD Grzegorz Żabiński</p>	2	30	lecture	winter	<p>The main aim of the course is to provide students with a basic knowledge on the political, social, economic and cultural role of the Vikings in early medieval Europe. The students will become familiar with material and spiritual culture of Scandinavian societies and territorial realms which were created and co-created by Scandinavians in other areas of Europe (Britain, Rus, Normandy, Ireland, Iceland). Class participants will become aware of the importance of Viking cultural heritage in Europe. Eventually, they will learn that the discussed issues were</p>

					<p>abused in the past in political debates motivated by nationalist and chauvinist ideologies. The following issues will be discussed in detail:</p> <p style="text-align: center;">Introduction</p> <p>Scandinavia before Viking expeditions – society, economy, political organisation, material and spiritual culture. The role of shipbuilding and sailing. Contacts with other regions of Europe.</p> <p>First expeditions of the Vikings – reasons, directions, aims.</p>
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Iberian studies

Course title	ECTS	Hours	Form	Semester (Winter/ Summer)	Course description
<p>Archaeological heritage of Spain and Portugal</p> <p>dr hab. prof. UJD Grzegorz Żabiński</p>	5	30	Conv.	summer	<p>The aim of this class is to make participants familiar with the most important sites of archaeological heritage in the Iberian Peninsula. The most relevant sites whose chronology spans a broad period from prehistory to the mid-20th c. are discussed within their cultural contexts. What is dealt with are Paleolithic caves, Neolithic, Bronze and Iron Age settlements, Roman Period towns and architectural monuments, Early, High and Late Medieval buildings, as well as selected examples of Modern Period and 19th c. architecture. A separate section in this class focuses on the most important examples of industrial</p>

					heritage sites in the Peninsula.
Historical re-enactment as a type of experiencing the cultural heritage dr hab. prof. UJD Grzegorz Żabiński	5	30	Conv.	summer	The class focuses on historical re-enactment within the context of Spanish- and Portuguese-speaking countries. It offers an in-depth insight into history, culture and cultural anthropology of these countries, with special stress on regional issues. Participants will learn about necessary requirements of successful historical re-enactment and will explore selected and the most relevant examples of these in Spanish and Portuguese-speaking countries. Eventually, they will acquire necessary skills to propose their own historical re-enactment projects.
Countries of Latin America in XX/XXI mgr Nina Podsiedlik	3	15	Conv.	summer	The aim of course is to know the main politics and social problems and actual economics issues in latinamerican countries. Students will learn what the history was of that area and what consequences are showed now.
History and culture in mass media mgr Nina Podsiedlik	3	15	Conv.	summer	During the course students can find out the newest information, technological news of latinamerican mass media. Also you can learn the history and the culture of mass media in Latin America.

German for business trading

Course title	ECTS	Hours	Form	Semester (Winter/ Summer)	Course description
<p>Intercultural communication in business dr Magdalena Raganiewicz</p>	5	30	exercises	winter (2nd year/ 3rd semester)	<p>Intercultural communication seeks to understand the differences in how people from a variety of cultures act, communicate, and perceive the world around them.</p> <p>The course facilitates students' development of intercultural communication at two levels:</p> <ol style="list-style-type: none"> 1. Knowledge and practical ability to identify, analyse and relate the implications of cultural, social, institutional contexts for our communication between cultures and international business contexts. 2. Intercultural communication competence
<p>Handelskorrespondenz dr Małgorzata Niemiec-Knaś (prof.UJD)</p>	2	30	Übungen	Im dritten Jahrgang, das fünfte Semester	<p>Briefe und E-Mails schreiben Geschäftsanbahnung, Bewerbung, Einladung zum Vorstellungsgespräch, Absagen, Abmahnung, Angebote, Bestellung, Auftragsbestätigung, Mahnungen, Reklamationen, Interne Kommunikation</p>
<p>Rechnungswesen auf Deutsch/ Die Deutsche Sprache in der Wirtschaft dr Małgorzata Niemiec-Knaś(prof. UJD)</p>	3	30	Übungen	Im zweiten Jahrgang, das dritte Semester	<p>Begriffe aus dem Rechnungswesen /Mit dem Sprachkurs für Wirtschaftsdeutsch lernt man zahlreiche Wortfelder und Redewendungen rund um Handel, Finanzen, Marketing und Verträge. Der Kurs gibt Einblick in die deutsche Unternehmenskultur. Er deckt das Niveau B2 des Europäischen Referenzrahmens ab.</p>

Interkulturelle Kommunikation dr hab. Anna Szyndler (prof.UJD)	1	15	Vortrag	Im ersten Jahrgang, das erste Semester	Man schult die interkulturelle Kompetenz mithilfe der zahlreichen Beispiele auch aus dem Berufsfeld.
Praktische Übungen im Business-Deutsch mgr Beata Nawrocka dr Arkadiusz Piętak	18	150	laboratory	Im ersten, zweiten oder drittem Jahrgang	Man übt Business-Deutsch auf ansprechende Weise und mit vielfältigen Übungen: <ul style="list-style-type: none"> • Verbindung des Wortschatzes von Berufs- und Alltagsleben; • berufliches Grundwissen, Bewerben & Arbeiten in Deutschland sowie Kommunikation im deutschsprachigen Geschäftsleben.

Journalism and media culture

Course title	ECTS	Hours	Form	Semester (Winter/Summer)	Course description
Creative writing* dr Konrad Ludwicki	2	15	exercises	summer	The content of the course would be to introduce the concept of creative writing. Mainly on the example of the canon of European literature - its forms, concepts and style. The theory and practice of creative writing would be the essence of the course. Creative writing would be theory and practice.

<p>Media Discourse* Dr Olga Słabońska</p>	4	30	exercises	summer	<p>The general aim of the course is to make students familiar with different types of media discourse, e. g., the characteristic features of debates, disputes or ways of persuasion. The importance of context and typical jargons will also be discussed. Moreover, language used in New Media, e.g., messaging, texting or photo sharing will be analysed.</p>
<p>Media in communication* dr Ewa Kiełb-Sterczewska</p>	4	30	exercises	summer	<p>These classes would introduce students to specialist terminology in the field of media education in English. The author would like to discuss topics related to the media and their importance for culture, and the role of traditional and modern media in shaping the contemporary world. Other important issues that would be worth discussing during the exercises are the issue of threats posed by the media for the contemporary audience. Other issues worth discussing would be the shaping of attitudes and fashion by the media and the search for the media's mission. It would also be worth considering the language of messages - contemporary mass communication media. Summing up, the proposed activities would concern media communication in the information society.</p>

Polish Philology

Course title	ECTS	Hours	Form	Semester (Winter/ Summer)	Course description
<p style="text-align: center;">The ancient and modern poetic epics</p> <p>Prof. dr hab. Robert Zawadzki</p>	4	30	Conv.	Winter	<p>The courses explore the causes and the forms of the ancient and modern poetic epics that took place from the classical antiquity to the modern times, between the poems of the Greeks and Romans and the most famous Romantic works of the Polish and Western literature. From Homer and Vergil through T. Tasso and P. Kochanowski to Byron and A. Mickiewicz, the poetic epics – to a set of problems related to intertextuality and mutual inspirations, crypto-quotations, allusions and other direct or indirect references – raises significant controversies within literary theory. The courses reconstruct these artistic phenomena that run through the ages, pointing out both the literary achievements of the great poets and the perception of their works.</p>
<p style="text-align: center;">Elementary Latin</p> <p>dr hab., prof. Katarzyna Janus</p>	3	30	exercises	summer	<p>Elementary Latin is a course designed to introduce studentst to the basic elements of the Latin language. It will emphasize the fundamentals of grammar, vocabulary, and reading comprehension. The course provides the tools necessary to develop language skills so that students could be able translate simple Latin texts in English.</p>

<p>Polish language course 1 (Polish as a foreign language/PFL): Speaking and Listening, Reading and Writing, Use of Polish (Integrated Skills)*</p> <p>Level B1</p> <p>dr hab., prof. UJD, Renata Bizior</p>	9	90	exercises	winter/summer	<p>The one semester Polish language course aims to actively build and increase linguistic competences and integrate the following skills: speaking (linguistic interaction), listening, reading, writing at the B1 level (from Pre-intermediate to Intermediate). The classes are designed to provide information about modern Poland. This course is based on the certification system of the knowledge of Polish as a foreign language.</p>
<p>Polish language course 2 (Polish as a foreign language/PFL): Speaking and Listening, Reading and Writing, Use of Polish (Integrated Skills)*</p> <p>Level B2</p> <p>dr hab., prof. UJD, Renata Bizior</p>	9	90	exercises	winter/summer	<p>The one semester Polish language course aims to actively build and increase linguistic competences and integrate the following skills: speaking (linguistic interaction), listening, reading, writing at the B2 level (from Intermediate to Upper-intermediate). The classes are designed to provide information about modern Poland. This course is based on the certification system of the knowledge of Polish as a foreign language.</p>
<p>Polish language course 3 (Polish as a foreign language/PFL): Speaking and Listening, Reading and Writing, Use of Polish (Integrated Skills)*</p> <p>Level B1 + B2</p> <p>dr hab., prof. UJD, Renata Bizior</p>	15	150	exercises	winter/summer	<p>The one semester Polish language course aims to actively build and increase linguistic competences and integrate the following skills: speaking (linguistic interaction), listening, reading, writing at the B1 and B2 levels (from Pre-intermediate to Upper-intermediate). The classes are designed to provide information about modern Poland. This course is based on the certification system of the knowledge of Polish as a foreign language.</p>
<p>Contemporary Foreign Language – Polish (Polish as a</p>	9	90	exercises	winter/summer	<p>The one semester advanced Polish language conversation course.</p>

<p>foreign language/PFL)* Level B2/C1 dr hab., prof. UJD, Renata Bizior</p>					<p>The main aim of the course is the comprehensive development of students' communication skills at the B2 / C1 level (Upper-Intermediate / Advanced). The course is based on a conversation referring to topics related to realities of modern Poland. The course also includes lexical and grammatical text analysis, grammar, lexical, translation and situational exercises. The course is based on the certification system of the knowledge of Polish as a foreign language.</p>
<p>Reading theater and performance forms Prof. dr hab. Anna Wypych-Gawrońska</p>	2	30	exercice	winter	<p>The aim of the course is to prepare students to analyze and interpret a theatrical performance and cultural performance in oral and written form, taking into account broad Polish and European, historical and contemporary cultural contexts.</p> <p>The course can be conducted as an e-earning course on the Moodle platform.</p>

Philosophy

Course title	ECTS	Hours	Form	Semester (Winter/ Summer)	Course description
Bioethics dr Sebastian Gałeccki	4	30	lecture + conv.	winter/su mmer	Short introduction to the main issues of contemporary bioethics.
Contemporary ethics theory dr Sebastian Gałeccki	4	30	lecture + conv.	winter/su mmer	The course is devoted to the contemporary systems of ethics, their sources and applications in everyday life.
General logic (mathematical) dr Grzegorz Sitek	5	30	lecture + conv.	winter/su mmer	The course is devoted to the foundations of classical and non-classical logic.
History of ancient philosophy dr Sebastian Gałeccki	4	30	lecture + conv.	winter/su mmer	The course is devoted to the sources of ancient philosophy and its influence on contemporary philosophy.
History of ideas dr Sebastian Gałeccki	4	30	lecture + conv.	winter/su mmer	A study on the most influential european ideas.

How to think logically? dr Grzegorz Sitek	3	30	lecture + conv.	winter/su mmer	The course is devoted to the practical basics of logic and its applications in ordinary reasoning.
Introduction to mathematical logic dr Grzegorz Sitek	5	30	lecture + conv.	winter/su mmer	The course is devoted to the foundations of mathematical logic and its applications to philosophy.
Philosophy and history of science dr Sebastian Gałeczki	5	30	lecture + conv.	winter/su mmer	The course is devoted to on some problems of philosophy of science and the evolution of scientific theories.

*** Courses outside the regular study program, possible offer as free choice course**

Faculty of Health Sciences

Cosmetology

Course title	ECTS	Hours	Form	Semester (Winter/ Summer)	Course description
Skin care cosmetology II	7 (1 + 6)	75 (15 + 60)	Lecture + workshop	winter	During the Care Cosmetology II module, students will learn about modern cosmetology equipment: Sollux lamps, d'Arsonval, diamond and corundum microdermabrasion, cavitation peeling, principles of ultrasound and sonophoresis. The issues of using cosmetic masks in the correct indications and the use of chemical peels will be discussed - matching the mask and peeling to the problem, indication and contraindication of treatments. Students will also learn about foot and hand care and medical problems such as frostbite or sweating of the feet and hands.
Dermatology	4 (2 + 2)	60 (30 + 30)	Lecture + exercises	winter	The aim of the course is to gain knowledge about the prevention and epidemiology of skin diseases. Understanding the indications and contraindications for cosmetic procedures and the ability to detect suspicious skin changes. Will be able to interview the patient and the ability to cooperate with a doctor. The course also aims to learn about the structure and function of the skin, skin types and basic skin diseases.

Human anatomy and histology	3 (1 +2)	45 (15 + 30)	Lecture + lab	winter	The course "Human anatomy and histology" aims to learn the basics of human anatomy. Acquiring the ability to recognize tissues in preparations and to describe the anatomical structure of organs. Students learn about tissue structure, organs and organ systems. The skin structure and epidermis building cells occupy a special place. Other systems are also discussed, e.g., nervous, sense organs: sensation, taste, smell, sight, balance. Digestive system, urinary system, circulatory system, endocrine system, respiratory system. The course includes a lecture and laboratory. Teaching methods are used: discussion, observation, laboratory work.
Pharmacology	3 (1 +2)	35 (15 + 20)	Lecture + exercises	winter	Pharmacology course for cosmetology students consists of 20 didactic hours of auditorium classes and 15 didactic hours of lecture. The whole course concerns different topics such as: bases of pharmacokinetics and pharmacodynamics; forms and route of administration of drugs; interactions between drugs and between drugs and food; types of drug interactions; types of drug actions; types of drug side effects; use of medicines by pregnant women; dermatological drugs; antibiotics; local anesthetics. During auditorium classes, students perform different projects connected with pharmacology, solve tasks with dosing of drugs and prescription drugs. The classes finish with test and exam.
Basics of human nutrition	2 (1 + 1)	20 (10 + 10)	Lecture + exercises	winter	The aim of the course is to provide knowledge and skills in applying the correct principles of human nutrition. Basic

					<p>concepts related to proper human nutrition will be discussed. Nutrition and board standards. Basic nutrients (proteins, fats, carbohydrates, dietary fiber) - role, deficiency symptoms, sources of occurrence. The role of water in the body. Vitamins - role, occurrence, effects of deficiency and excess. Minerals - role, occurrence, effects of deficiency and excess. Nutritional properties of plant and animal products. Nutritional Errors. Nutritional factors of development of some civilization diseases. Indicators of poor nutritional status. Eating disorders. Types and characteristics of diets. Diets that help improve the appearance of the skin, hair and nails. Food as a source of vitamins used in cosmetics.</p>
Beauty cosmetology II	7 (1 + 6)	75 (15 + 60)	Lecture + workshop	winter	<p>During the Beauty Cosmetology II module, students learn about the causes, types and contemporary methods of preventing and reducing problems: cellulite, stretch marks and obesity. They will get to know the indications, contraindications for treatments as well as recommended cosmetics and active substances. Issues related to cleavage and bust care will also be discussed. During the module, students learn about the technique of lymphatic drainage, Chinese cupping massage, and how to perform body waxing with warm wax.</p>
Aesthetics	2	30	workshop	winter	<p>Subject on which students will learn advanced cosmetology procedures. Department dealing with beauty and other aesthetic values. Students learn to create individual treatment therapy for the client. They learn about the world of laser therapy and aesthetic procedures performed in a cosmetology salon.</p>

Hygiene with epidemiology	2 (1 + 1)	30 (10 + 20)	Lecture + exercises	winter	The course „Hygiene and Epidemiology” focuses on hygiene in the cosmetologists’ practice. Most of all, the program defines and shows ways to prevent hazardous agents in the workplace. It also familiarizes students with workplace hygiene, systems guaranteeing health and safety as well as occupational diseases. During the course, students analyze the impact of environmental factors – for example, air pollution on the skin and are acquainted with basic epidemiological terms.
Beauty cosmetology I	6 (1 + 5)	65 (15 +50)	Lecture + workshop	summer	Students will learn different types and techniques of makeup. They practice professional makeup on themselves. They will learn about the nail structure and perfect hybrid stylization on the nails. Classes take place in a very well-equipped room for styling nails with products of Victoria Vynn.
Cosmetic recipe	4 (1 +3)	55 (15 + 40)	Lecture + lab	summer	As part of the "Cosmetic Recipe" classes, students will learn the basic concepts of cosmetic recipes, as well as the composition and preparation of cosmetic preparations. Active substances in the cosmetic recipe - action, application, interactions. Cosmetic substrates - operation and scope of application. Excipients and preservatives in the recipe - action and scope of application. Exemplary recipes of various cosmetic forms - applications (recipes of hand washing preparations - soaps, cleaning pastes; preparations for washing and caring for the whole body - lotions, lotions, creams, gels; cosmetics for the care and beauty of hair and nails, e.g. conditioners; anti-secretion cosmetics sweat, cosmetic coloring products - powders,

					blushes, inks, eye shadows; perfumery). During the course, students will also learn how to obtain cosmetic substances from plant materials. Cosmetics law, methods of labeling and marking cosmetics, cosmetics durability are also discussed.
Health promotion and health education (1 semester)	2 (1 + 1)	20 (10 + 10)	Exercises + workshop	summer	Health promotion and health education - basic concepts, definitions. The concept of health and disease, health determinants. Links between health education and health promotion. Characteristics of contemporary health promotion, main directions and principles of health promotion, place of health promotion in the health system, participation of health promotion in achieving health goals. Objectives and tasks of the National Health Program. International organizations acting for health promotion. Methods for recognizing, assessing and monitoring the health status of the population. Health promotion and preventive medicine, with particular emphasis on lifestyle diseases. Primary and secondary prevention - goals, tasks, forms of implementation. Health promotion projects and programs. Pro-health education of children, adolescents and adults.
Fundamentals of organizing and managing a beauty salon	1	15	workshop	summer	To acquaint students with elementary knowledge of marketing, management and organization of enterprises. Understanding the principles of organizing and running a beauty salon and acquiring the skills to organize and run a beauty salon. Basics of business operations. Starting the enterprise. Enterprise planning, motivating, controlling. Business management. Marketing, concept, essence, functions and meaning of marketing. Marketing communication. Image and company identification

					system. Advertisement. Keeping administrative documentation in the beauty salon.
Wellness	1	15	workshop	summer	The aim of the course is to acquire basic knowledge and skills in the field of broadly understood biological regeneration. During the classes, an interview with the client regarding the current state of health, preparation of the client's card, taking into account the needs and expectations of the client are practiced. Treatments used in wellness salons, including cosmetic procedures. Basics of aromatherapy, rules for preparing mixtures of essential oils. Selected relaxation techniques used in wellness. Physical exercises in wellness. Basics of relaxing massage
Skin care cosmetology I	6 (1+5)	65 (15+50)	Lecture + workshop	summer	Students learn basic facial treatments. Classes take place at the cosmetology workshop. Students perform treatments on themselves. They will learn about foot care, body hair removal, face massage and eyebrow and eyelash henna.
Pathophysiology	2 (1+1)	20 (10+10)	Lecture + exercises	summer	The main goal of the Pathophysiology subject is to learn and understand the functional disorders of the human body. Moreover, course purpose is to learn the most important etiopathogenesis of the human diseases. The education assumption is to teach how to properly provide the analysis of disease case.
Physiotherapy and massage	3	35	workshop	summer	Understanding the basics of the masseur's work organization and massage hygiene. Acquiring the skills to properly perform a massage, taking into account indications and contraindications. Principles and conditions for performing classical massage, techniques

					<p>and methodology of classical massage. Practical exercises in the field of classical massage: back, chest and stomach massage, head and neck, neck, face, spine, upper limbs, lower limbs. Ability to prepare and conduct an interview with the client / patient before the planned surgery. Ability to keep records of own work. Teamwork skills. Organization of the masseur's work and massage hygiene.</p>
<p>Cosmetic chemistry</p>	<p>5 (1 + 4)</p>	<p>60 (15 + 45)</p>	<p>Lecture + lab</p>	<p>summer</p>	<p>As part of the "Cosmetic chemistry" classes, students will learn about inorganic cosmetic chemistry such as chemical properties, reactivity, origin and cosmetic applications of selected inorganic elements and compounds, including macro- and microelements, oxides, hydroxides, acids, salts, substances of mineral origin. As part of the lecture on the subject "Cosmetic chemistry" students learn about inorganic cosmetic chemistry - chemical properties, reactivity, origin and cosmetic applications of selected inorganic elements and compounds, including macro- and microelements, oxides, hydroxides, acids, salts, substances of mineral origin. Cosmetic organic chemistry includes the chemical properties, reactivity, origin and cosmetic applications of selected organic compounds, such as: hydrocarbons, alcohols, phenols, ethers, aldehydes and ketones, carboxylic acids, derivatives of carboxylic acids, multifunctional compounds - phospholipids, hydroxy acids, amino acids and proteins, saccharides and organosilicon compounds. During the classes, cosmetic preparation forms, cosmetics ingredients, cosmetic raw materials, hair care cosmetics, perfumes, flower waters and colognes as well as cosmetic masks, raw materials used for the preparation of oral care products, lotions creams,</p>

					ointments and color cosmetics are discussed. The names of cosmetics ingredients according to INCI (International Nomenclature of Cosmetic Ingredients) are also discussed.
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Physiotherapy

Course title	ECTS	Hours	Form	Sem.	Course description
Physiology and pain physiology Prof.dr hab. Wiesław Pilis	3	75 30/45	lecture/ exercises	Winter (1)/ Summer (2)	To acquaint students with the structure and function of cells, tissues and individual body systems. Mastering issues related to the activities of individual body systems and organs and the control of basic life functions in changing environmental conditions. Preparing and teaching a student how to conduct basic physiological research, energy balance control. To acquaint the student with the basic principles of pro-health activities.
Biochemistry Prof. dr hab. Malgorzata Chalimoniuk	2	45 15/30	lecture/ exercises	Summer (1)	The aim of the course is to enable students to become familiar with the biochemistry material. The lecture program covers issues related to: the structure and function of basic cellular macromolecules, mechanisms and kinetics of enzymes, coenzymes, vitamins, catabolic and anabolic processes at the cell and organism levels. The aim of the laboratories is to familiarize students with the basic apparatus and markings used in the biochemical laboratory.

<p>Movement education and movement teaching methodology Dr Krzysztof Stec</p>	6	120 30/90	lecture/ exercises	Winter (1)/ Summer (2)	<p>Mastering the basic knowledge of physical culture, as well as understanding the differences between physical education, sport, recreation and physical rehabilitation. Get to know the versatile resource of exercises and be able to select them in specific sets useful for the implementation of various therapeutic and preventive tasks.</p>
<p>Kinesitherapy Dr Błażej Cieślik</p>	7	120 30/90	lecture/ lab.	Summer (2),(4)/ Winter (3)	<p>Acquiring knowledge and skills in undertaking kinesitherapeutic activities, including: transfer of knowledge in the field of subject and subject examination and detailed tests, as well as assessment of body posture and gait for the needs of kinesitherapy, the correct application of individual exercises according to the systematics of exercises, taking into account the functional state, appropriate applying the principles and techniques of therapeutic exercises in the process of prevention, treatment and rehabilitation.</p> <p>Acquiring the skills to comply with indications and contraindications to perform improvement procedures and OHS rules.</p>
<p>Physiotherapy in neurology and neurosurgery Dr. hab. Maciej Świat</p>	6	105 30/75	lecture/ lab.	Winter (5,7) Summer (6)	<p>To provide students with basic concepts in the field of neurology and neurosurgery. To familiarize students with the principles of research and diagnosis of diseases of the central and peripheral nervous system. To introduce students to the principles of selecting physiotherapeutic procedures and physiotherapy methods according to the clinical diagnosis, period of illness and functional state of the patient.</p>

Clinical basics in cardiology and cardiosurgery Prof.dr hab. Aleksander Sieroń	2	34 10/24	Lecture/ lab.	Summer (4)/ Winter (3)	Mastering clinical issues in the field of cardiovascular disease. Acquiring basic knowledge necessary for physiotherapeutic treatment in cardiovascular diseases. Selection of physiotherapeutic procedures and physiotherapy methods according to the clinical diagnosis, period of illness and functional condition of the patient.
Manual therapy Dr Dariusz Mosler	2	50	Lecture/ lab.	Summer (4)	To familiarize students with the most important issues of modern physiotherapy methods, to present the basics of individual special methods.
Physiotherapy in pulmonology Prof. dr hab. Mieczysław Pokorski	4	60 15/45	lecture/ lab.	Summer (6) Winter (7)	To familiarize students with the most important disease entities, basic diagnostic methods and treatment of patients with internal organs diseases. Acquiring the ability to analyze the clinical condition of a patient qualified for the rehabilitation program. Planning and subsequent use of therapy: selection of the appropriate method (model) of improvement, methods, therapeutic techniques, procedures physical, type and intensity of exercises and the amount of loads, including indications and contraindications resulting from the patient's clinical condition in pulmonary diseases

Nursing

Course title	ECTS		Form	Sem.	Course description
Physiology prof. dr hab. Langfort Józef mgr Piotrowicz Zofia	3	20/4 0	lecture/lab oratory	winter	The aim of the course is to familiarize students with the mechanisms of proper functioning of organs and systems of the human body
Genetics dr Magdalena Myga- Nowak	1	20	lecture	winter	The aim of the course is to familiarize students with the principles of genetics to the extent that allows understanding of the basics of medical genetics, genetic diagnostics as well as prevention and treatment
Public health dr Adamczyk Jakub	2	20	lecture	winter	The aim of the course is to provide knowledge about the concept of public health
Anesthesiology Lek n. med. Gworys Bartłomiej	1	20	lecture	winter	The aim of the course is to familiarize with the problems of patient anesthesia, life-threatening conditions, resuscitation procedures and specialist methods used to support life
Internal medicine and internal medicine nursing mgr piel. Korsak Sabino Belo Magdalena	4	120	practical classes in a hospital	winter	The aim of the course is to shape the skills of individual care planning for adult patients in selected medical conditions
Ethics of the nursing			lecture/		The aim of the course is to provide basic knowledge and

profession dr hab. n. med., dr. n. hum. Sławomir Letkiewicz, prof. UJD	1	10/10	lab.	winter	skills of a nurse's professional ethics
Nursing care for the disabled dr n.med. Świątkowska-Flis Beata	2	35	lecture	winter	The aim of the course is to provide basic knowledge about nursing care for the disabled
Obstetrics and Gynecology Lek n. med. Jerzy Surówka	1	20	lecture	winter	The aim of the course is to familiarize with the subject of pregnancy, childbirth, puerperium and gynecological diseases.
Neurological nursing dr n.med. Świątkowska-Flis Beata	2	30	lecture	summer	The aim of the course is to familiarize with the issues of nursing care in the case of nervous system diseases
Neurology and neurological nursing mgr piel. Korsak Sabino Belo Magdalena	4	80	practical classes in a hospital	summer	The aim of the course is to shape the ability to recognize neurological symptoms and to plan individual care for patients with selected diseases of the nervous system
Basic healthcare mgr piel. Korsak Sabino Belo Magdalena	4	120	practical classes in a hospital	summer	The aim of the course is to shape skills to recognize health deficits and educational needs in the home environment of children and in outpatient care
Psychiatric nursing Dr n. o zdr. Mizerska Krystyna	2	35	lecture	summer	The aim of the course is to acquire knowledge and skills in the care of psychiatric patients

Psychiatry and psychiatric nursing Dr n. o zdr. Mizerska Krystyna	4	80	practical classes in a hospital	summer	The aim of the course is to shape the ability to recognize productive symptoms and to approach patients with mental disorders individually

Physical education

Course title	ECTS	Hours	Form	Sem.	Course description
Physiology I Prof. Wiesław Pilis	3	15/15	lecture/ lab.	winter	The aim of the course is to familiarize students with the mechanisms of proper functioning of individual organs and systems of the human body.
Basketball I Dr Leon Rak	2	30	Practical classes	winter	In the first part of the course, students will be taught specific technical elements of basketball and attention will be devoted to strengthening fitness preparation.
Theory of Sport Prof. Tomasz Gabryś	4	15/30	lecture/ exercises	winter	The subject "Theory of sport" is devoted to mastering the general theoretical issues in planning and determining the training effects occurring in a systematically trained human body.
Football I Dr Karol Pilis	2	30	Practical classes	winter	In the first part of the course, students will be taught specific technical elements of football and main attention will be devoted to strengthening fitness preparation.
Biomechanics Prof. Jacek Wasik	4	15/30	lecture/ exercises	winter	During the biomechanics course, students will be acquainted with theoretical and practical issues related to the impact of external and internal forces on the human

					body.
Biochemistry Dr Michał Zych	4	15/30	lecture/ exercises	summer	During teaching this subject, students will learn about the basic biochemical processes of the human body.
Physiology II Prof. Wiesław Pilis	5	15/30	lecture/ lab.	summer	In the second part of the course, students learn about theoretically and practically the functioning of the human body in various environmental conditions.
Basketball II Dr Leon Rak	2	30	Practical classes	summer	In the second part of the course, students will learn specific tactical elements of basketball and methods of comprehensive teaching of this subject.
Football II Dr Karol Pilis	2	30	Practical classes	summer	In the second part of the course, students will learn specific tactical elements of football and methods of comprehensive teaching of this subject.
Swimming I Dr Janusz Wojtyna	2	30	Practical classes	summer	In the first part of the course, students will be taught specific technical elements of swimming and attention will be devoted to strengthening fitness preparation.

Faculty of Social Sciences

Pedagogy				
Course title	ECTS	Hours	Form	Semester
Introduction to Pedagogy	6	50	lecture + exercises	winter (1st year/ 1st semester); First-Cycle Programme
History of Education	4	45	lecture + exercises	winter (1st year/ 1st semester); First-Cycle Programme
Biomedical Foundations of Development and Education	3	15	exercises	winter (1st year/ 1st semester); First-Cycle Programme
Theoretical Foundations of Teaching and Learning	4	45	lecture + exercises	summer (1st year/ 2nd semester); First-Cycle Programme
Educational Diagnostics	4	45	lecture + exercises	summer (1st year/ 2nd semester); First-Cycle Programme
Planning and managing a professional career	1	15	exercises	winter (2nd year/ 3rd semester); First-Cycle Programme
Methodology of Pedagogical Research	4	20	lecture + exercises	winter (1st year/ 1st semester); Second-Cycle Programme
Comparative Pedagogy	4	30	exercises	winter (1st year/ 1st semester);

Preschool and Early School Education

Course title	ECTS	Hours	Form	Semester
Children's Literature	6	45	lecture + exercises German language	winter (1st year/ 1st semester)
History of Preschool and Early School Education*	4	30	lecture + exercises	winter (1st year/ 1st semester)
Theoretical Foundations of Social and Natural Education	5	30	lecture + exercises	winter (2nd year/ 3rd semester)
Methodology of Physical Education	7	60	lecture + exercises	winter (4th year/ 7th semester)
Methodology of Teaching a Foreign Language	8	60	lecture + exercises German language	winter (4th year/ 7th semester)
Pedagogical Diagnostics	2	20	lecture + exercises Russian language	winter (5th year/ 9th semester)
Alternative Education*	2	20	exercises	winter (5th year/ 9th semester)

* The course is implemented as an elective course. Before the start of the semester, students choose one of two courses.

Special Education

Course title	ECTS	Hours	Form	Semester
Fundamentals of Pedagogy* / General Pedagogy*	4	30	lecture + exercises	winter (1st year/ 1st semester)
Basics of Didactics	2	15	lecture	winter (1st year/ 1st semester)
Biomedical Foundations of Development	5	45	lecture + exercises	winter (1st year/ 1st semester)
Social Psychology	2	15	lecture	winter (2nd year/ 3rd semester)
Diagnostics in Special Pedagogy	4+4	30+30	exercises	winter+summer (2nd year/ 3rd+4th semester)
Ethics of the Teaching Profession	2	15	lecture	summer (2nd year/ 4th semester)
History of Education	2	15	lecture	winter (4th year/ 7th semester)
Methodology of Social Research	2	30	exercises	winter (4th year/ 7th semester)
Directions of Contemporary Pedagogy	3	15	exercises	summer (5th year/ 9th semester)

* The course is implemented as an elective course. Before the start of the semester, students choose one of two courses.

Psychoprevention

Course title	ECTS	Hours	Form	Semester
General Psychology	3	20	lecture	winter (1st year/ 1st semester); First-Cycle Programme
Introduction to Pedagogy	3	20	exercises	winter (1st year/ 1st semester); First-Cycle Programme
Introduction to Philosophy	3	20	lecture + exercises	winter (1st year/ 1st semester); First-Cycle Programme
Biomedical Foundations of Development and Education	2	15	lecture	winter (1st year/ 1st semester); First-Cycle Programme
Empowerment - Concepts of Wakening Human Strengt	3	20	lecture + exercises	summer (1st year/ 2nd semester); First-Cycle Programme
Introduction to Sociology with Elements of Universal Design	4	30	exercises	winter (1st year/ 1st semester); First-Cycle Programme
Social Diagnostics	3	25	exercises	winter (2nd year/ 3rd semester); First-Cycle Programme
Development Tutoring	2+2	30+30	workshops	winter and summer (2nd year/ 3rd- 4th semester); First-Cycle Programme
Educational Prophylaxis	2	25	exercises	winter (2nd year/ 3rd semester); First-Cycle Programme
New Technologies in Psychopreventive Practice* / Media Education*	3	20	exercises	winter (2nd year/ 3rd semester); First-Cycle Programme

* The course is implemented as an elective course. Before the start of the semester, students choose one of two courses.

Developmental Counseling and Psychological Help

Course title	ECTS	Hours	Form	Semester
Clinical Psychology in New Classifications: ICD-11, DSM-5, ICF	4	30	lecture + exercises	winter (1st year/ 1st semester); Second-Cycle Programme
Personality Disorder	4	15	exercises	summer (1st year/ 2nd semester); Second-Cycle Programme
Psychology of Individual Differences in the Context of Professional Activity	4	15	exercises	winter (2nd year/ 3rd semester); Second-Cycle Programme
Designing a Counseling and Coaching Session	4	15	workshops	winter (2nd year/ 3rd semester); Second-Cycle Programme
Creative Problem Solving Methods* / Attention Concentration Training*	4	15	workshops	summer (2nd year/ 4th semester); Second-Cycle Programme
Group Work Techniques Workshop* / Workshop of Psychological and Pedagogical Work at School*	4	15	workshops	summer (2nd year/ 4th semester); Second-Cycle Programme
Development Tutoring with Group Supervision* / Creating My Own Image*	4	15	workshops	summer (2nd year/ 4th semester); Second-Cycle Programme
Cyberspace and Cybersecurity* / Working with Stress Workshop*	4	15	workshops	summer (2nd year/ 4th semester); Second-Cycle Programme

* The course is implemented as an elective course. Before the start of the semester, students choose one of two courses.

National Security

Course title	ECTS	Hours	Form	Semester
Political History of Poland in the 20th-21st Centuries	5	30	lecture + exercises	winter (1st year/ 1st semester); First-Cycle Programme
International Political Relations	4	45	lecture + exercises	winter (1st year/ 1st semester); First-Cycle Programme
Social Psychology	3	30	lecture	winter (2nd year/ 3rd semester); First-Cycle Programme
International Terrorism	2	30	exercises	summer (2nd year/ 4th semester); First-Cycle Programme
War and Strategy Games	3	45	lecture + exercises	winter (3rd year/ 5th semester); First-Cycle Programme
Internet and Social Media in the Modern World	3	30	lecture + exercises	winter (1st year/ 1st semester); Second-Cycle Programme
Challenges and Threats to the Security of the Modern World	3	30	lecture	winter (1st year/ 1st semester); Second-Cycle Programme
Sources and Scope of European Union Law	3	30	lecture	winter (1st year/ 1st semester); Second-Cycle Programme
Communication in Social Media	3	30	lecture + exercises	winter (1st year/ 1st semester); Second-Cycle Programme

Analytics and Social Creativity

Course title	ECTS	Hours	Form	Semester
Basics of Interpersonal Communications	5	45	lecture + exercises	winter (1st year/ 1st semester); First-Cycle Programme
Small Social Structures	4	30	lecture + exercises	summer (1st year/ 2nd semester); First-Cycle Programme
Psychological Basics of Social Behavior	3	15	exercises	summer (1st year/ 2nd semester); First-Cycle Programme
Quantitative Research Methods	3	30	exercises	winter (2nd year/ 3rd semester); First-Cycle Programme
Social Diagnosis	4	30	lecture + exercises	summer (2dn year/ 4th semester); First-Cycle Programme
Sociological Aspects of the Present Day	4	30	lecture + exercises	summer (2dn year/ 4th semester); First-Cycle Programme
Internet Resource Analysis Tools*	4	30	exercises	winter (3rd year / 5th semester) ; First-Cycle Programme
Building the Social and Cultural Capital of Local Communities**	3	20	exercises	summer (3rd year / 6th semester) ; First-Cycle Programme

* The course is implemented as an elective course. Before the start of the semester, students choose one of eight courses.

** The course is implemented as an elective course in module. Before the start of the semester, students choose one of four modules.

Political Science

Course title	ECTS	Hours	Form	Semester
Political History of Poland in the 20th-21st centuries	5	30	lecture + exercises	winter (1st year/ 1st semester); First-Cycle Programme
Social Psychology	3	30	lecture	winter (1st year/ 1st semester); First-Cycle Programme
Human Rights	3	30	lecture	summer (1st year/ 2nd semester); First-Cycle Programme
Political History of the World in the 20th-21st Centuries	4	45	lecture + exercises	summer (1st year/ 2nd semester); First-Cycle Programme
International Political Relations	4	45	lecture + exercises	summer (2nd year/ 4th semester); First-Cycle Programme
Internet and Social Media in the Modern World	3	30	lecture + exercises	winter (1st year/ 1st semester); Second-Cycle Programme
Communication in Social Media	3	30	lecture + exercises	winter (1st year/ 1st semester); Second-Cycle Programme
Global Security System	3	30	lecture + exercises	summer (1st year/ 2nd semester); Second-Cycle Programme
International Terrorism	2	15	exercises	summer (2nd year/ 4th semester); Second-Cycle Programme

Social Work

Course title	ECTS	Hours	Form	Semester
Social Pedagogy	4	45	lecture + exercuses	winter (1st year/ 1st semester); First-Cycle Programme
General Psychology	4	45	lecture + exercuses	winter (1st year/ 1st semester); First-Cycle Programme
Information Technology	2	30	laboratorium	winter (1st year/ 1st semester); First-Cycle Programme
Work Safety and Ergonomics	1	10	lecture	winter (1st year/ 1st semester); First-Cycle Programme
Social Psychology	3	30	lecture + exercuses	summer (1st year/ 2nd semester); First-Cycle Programme
Human Rights	3	30	lecrure	summer (1st year/ 2nd semester); First-Cycle Programme
Methodology of Social Research	2	30	lecture + exercuses	winter (2nd year/ 3rd semester); First-Cycle Programme
Interpersonal Communication in Social Work	2	45	lecture + exercuses	winter (2nd year/ 3rd semester); First-Cycle Programme
Psychosocial Gerontology	2	30	lecture + exercuses	summer (2nd year/ 4th semester); First-Cycle Programme

Social Policy in the European Union	1	30	lecture + exercuses	winter (3rd year/ 5th semester); First-Cycle Programme
Labor Market	1	30	exercises	winter (3rd year/ 5th semester); First-Cycle Programme
Mediation in Social Assistance	2	30	lecture + exercuses	summer (3rd year/ 6th semester); First-Cycle Programme
Social Animation	3	45	lecture + exercuses	summer (3rd year/ 6th semester); First-Cycle Programme

Tourism and Recreation

Course title	ECTS	Hours	Form	Semester
Health Aspects of Physical Activity	3	30	lecture + exercises	winter (1st year/ 1st semester); First-Cycle Programme
Tourist Traffic Service	5	45	lecture + exercises	summer (2dn year/ 4th semester); First -Cycle Programme
Economics of Tourism and Recreation	3	30	lecture + exercises; German language	winter (3rd year/ 5th semester); First -Cycle Programme
Creating of Tourism Product	6	45	lecture + exercises	winter (2nd year/ 3rd semester); First -Cycle Programme
Customer Service and Manager Etiquette	3	45	lecture +	summer (2nd year/ 4th

			exercises	semester); First -Cycle Programme
Marketing and Management of Events	6	30	lecture + exercises; German language	winter (2nd year/ 3rd semester); Second-Cycle Programme
Tourist Pilotage	5	30	lecture + exercises	summer (2nd year/ 4th semester); Second-Cycle Programme