

ENGLISH – LANGUAGE PATHS

FIELD OF STUDY:
MANAGEMENT

1. **Corporate finance** (lecture conducted in English)

The purpose of the course is to familiarize students with the architecture and operation of the corporate financial management system, to explain the essence and consequences of financial decisions of different nature made in enterprises, as well as to present methods and tools that can be used in evaluating various aspects of the financial activity of the enterprise. During the lecture, such issues as the economics of investments, evaluation of their profitability, sources of capital, optimization of capital structure, as well as issues of enterprise value as a key financial variable will be discussed.



prof. Andrzej Cwynar, Ph.D.

Founder and director of the Institute for Financial Research and Analysis at the University of Information Technology and Management in Rzeszow. Founder and editor-in-chief of the online quarterly "e-Finanse". Originator and manager of the Financial Laboratory - the first university dealing room in Poland. Author and co-author of more than 100 domestic and foreign publications on enterprise value management, including several books. Independent advisor on the implementation of programs to increase the value of enterprises (including in the chemical, mining and energy industries). Lecturer and trainer conducting classes for, among others, management of PKN Orlen SA, KGHM SA, Zakłady Chemiczne Police SA, Zakłady Azotowe Kędzierzyn SA, Rafineria Nafty Jedlicze SA, Katowicki Holding Węglowy SA and many other companies.

2. **Strategic management II** (lecture conducted in English)

Issues discussed during the course of the course include: Concepts of strategic management, Strategic analysis, The process of formulating corporate strategy, Types of organizational strategies, Implementation of organizational strategies.



Bartolomeo R. Bialas, MA

For more than 19 years, he has specialized in strategic branding and marketing (brand strategy, competitive marketing strategies, cross-cultural consumer psychology). He has worked for branding, marketing and advertising agencies, MGM Grand, Nevada Governor's Office of Economic Development, The Wynn Resort, New York-New York, Luxor Hotel & Casino, White Square Gallery (Berlin-Germany/Las Vegas-USA), The Rivers Casino (Pittsburgh, PA), RackStar, Plaza Hotel & Casino, ALDEC, Goodwill Industries International and ING Group. Visiting professor at prestigious universities in Latin America and Europe:

- University del Istmo
- Rafael Landivar University
- University del Valle
- Galen University
- University of Palermo
- Francisco Marroquin University
- International Business School / The University of Buckingham

where he teaches original seminars on subjects such as Strategic Brand Management: Psychological and Cultural Perspectives, International Marketing: Cross-Cultural Market, Export Research and Management, Strategic Marketing: Advertising and Integrated Brand Promotion Perspective, Strategic Thinking, and Global Consumer Behavior.

3. Fundamentals of macroeconomics (lecture conducted in English)

During the lecture, the audience will learn about the following topics: National income - methods of measurement. The market for goods and services. Global demand and its determinants. Fiscal policy. Money market and monetary policy. Inflation and unemployment. Macroeconomics of an open economy.



Robert Pater, Ph.D., UITM professor

Ass. Professor of economics, author or co-author of about 50 scientific articles on these topics and more than 100 other publications, including analyses, research reports, expert reports and articles in national economic journals. Member of the European Association of Labor Market Economists (EALE). Cooperates with the Bureau of Investment and Economic Cycles in Warsaw. Expert of the IFO institute in Munich in assessing economic trends in Poland. Collaborated regularly with Gazeta Wyborcza and Polish Market magazine.

**FIELD OF STUDY:
APPLIED INFORMATION
TECHNOLOGY**

1. Computer systems architecture (lecture conducted in English)

The lecture introduces students to the world of computer hardware. Topics covered include computer logic, arithmetic of computers, classic computer architecture, processors, command lists, assembler language basics, organization of computers on assembler language level, hierarchy of memory in computer systems, interfaces, magistral, external devices, modern computer architectures, multiprocessor architectures, architectures and features of embedded systems, microcontrollers, microcontrollers programming and reliability of computer systems. In addition, students will learn the latest trends and developments in this area.



prof. Dmitry A. Zaitsev

Professor of Computer Science Department, senior member of the ACM and IEEE, recently visiting professor at Université Côte d'Azur, France. In 2017, he was a visiting professor at The University of Tennessee Knoxville, USA on a Fulbright scholarship, working in the Innovative Computing Laboratory headed by Jack Dongarra. As a result, a joint paper was published, and the software ParAd was issued. Dmitry A. Zaitsev developed: the theory of linear system clans; small universal Petri and Sleptsov nets in explicit form; generalized neighborhood for cellular automata; theory of infinite Petri nets; and algorithm for fuzzy logic function synthesis.

2. Algorithms and Data Structures (lecture conducted in English)

This lecture is essential for all who want to efficiently use programming languages in any application area. Moreover, the knowledge gained during this lecture is universal and important for any programming language student will use in the future. Topics covered include:

mathematical foundations of computational complexity of algorithms; introduction to the design of algorithms; construction and features of data structures: arrays, lists, queues, stacks, graphs; methods of designing algorithms: recursion, divide-and-conquer method, dynamic programming, greedy method, return algorithms; use of algorithms to solve problems; estimating the computational complexity (time and memory) algorithms; use of searching and sorting algorithms in data processing problems; using of graph algorithms in transport problems; design problems of concurrent algorithms. A good understanding of these topics guarantees the successful development of your skills as a programmer.

Prof. dr hab. inż. Władysław Homenda, Ph.D.

Professor in the Department of Artificial Intelligence. Employed at the University of Information Technology and Management since 2021. His studies and professional activity were associated with the Warsaw University of Technology: from the Study of Fundamental Problems of Technology to the Faculty of Mathematics and Information Sciences, which was established after the transformation. Simultaneously with his employment at PW, he worked at CICESE, Ensenada, Mexico, co-created the music information processing programs Midiscan and Smart Score published by Musitek, Ojai, California, worked at the University of Bialystok at the Faculty of Mathematics and Informatics and the Faculty of Economics and Information Science in Vilnius. In March 2021, he was hired at UITM. His research and teaching activities are related to the theoretical foundations of computer science and intelligent computing technologies, especially human-friendly methods and knowledge discovery and processing. He collaborates with domestic and foreign institutions. He is a member of the editorial boards of several international scientific journals and a member of the program committees of a number of regular international scientific conferences.

3. Data security in IT systems (lecture conducted in English)

Data security is the key issue of all IT systems. Knowledge in this area is fundamental for cybersecurity specialists. The lecture covers the following topics: data security issues; systems security requirements, models and standards; security vulnerabilities of physical devices in IT systems; communication security vulnerabilities in IT systems; security of IT applications and services; risk management. Additionally, students learn about resources, tools and certification paths related to cybersecurity.



Janusz Korniak, Ph.D.

Associate professor at the Department of Intelligent Systems and Networks.

Employed at the University of Information Technology and Management since 1997.

PhD in technical sciences (University of Agriculture and Technology in Bydgoszcz, 2005), a graduate of Master's studies at the Rzeszów University of Technology. In the years 1997 – 2005 an assistant at the University of Information Technology and Management. He completed training in computer networks at Cisco Academy Training Centers in Budapest Polytechnic, University of Central England, Advance Technology Consortium-Romania, and Cisco Learning Institute. Cisco Academy instructor and instructor trainer. Conducts training: CCNA, CCNP, CCNA Security, CCNA Cybersecurity Operations, IoT Fundamentals. His research interests are focused on intelligent systems and networks.

FIELD OF STUDY: NURSING

1. Pathology - (lecture conducted in English)

The lecture aims to provide knowledge concerning the pathomechanism of the disease process within pathomorphology: structural changes, morphological macro- and microscopic analysis, etiology, pathogenesis and treatment of diseases of selected organs and systems.

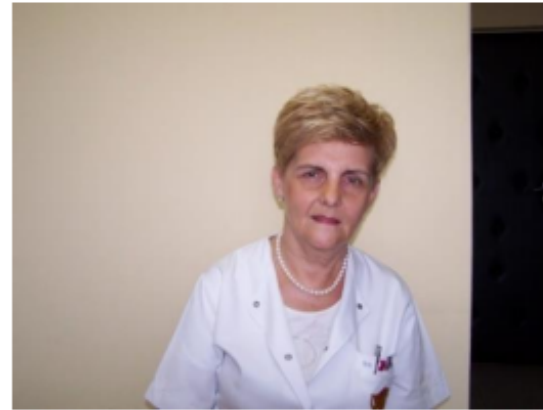


Prof. Mirosław Jabłoński (PhD, MD)

Professor Mirosław Jabłoński specialises in orthopedics and traumatology of the musculoskeletal system and medical rehabilitation. He headed the Department of Rehabilitation and Orthopedics for many years. From 2006 to 2013, he was chairman of the Bone and Joint Metabolic Diseases Section of the Polish Orthopedic and Traumatological Society. Specialist in osteoarthritis pathology of the hip and knee and the effectiveness of applied prosthetic procedures. Promoter of numerous doctoral dissertations, patron of two completed habilitations, author of numerous original scientific publications, co-author of patents for rehabilitation devices.

2. Paediatrics and Paediatric Nursing (lecture conducted in English)

The lecture aims to provide knowledge on selected issues in the aetiology, symptoms, diagnosis, treatment and care in diseases of developmental age that most commonly occur in pediatrics.



prof. Wanda Furmaga-Jabłońska (PhD, MD)

Professor Wanda Furmaga- Jablonska, pediatrician, Head of the 1st Chair of Pediatrics, Faculty of Medicine, Medical University of Lublin, and member of the Commission of Medical Sciences, Branch of the Polish Academy of Sciences in Lublin. She is employed as a professor in the 1st Department of Pediatrics at the 2nd Medical Faculty with English-language Branch of the Medical University of Lublin. She is a member of the Committee on Medical Sciences of the Lublin Branch of the Polish Academy of Sciences.

3. Public Health (lecture conducted in English)

The lecture aims to provide knowledge on the concepts and tasks of public health. In addition, issues concerning the relationship between contemporary health threats, health policy and the organisation of the health care system in Poland and selected EU countries will be discussed.



prof. Paweł Januszewicz (PhD, MD)

Professor Paweł Januszewicz, long-standing Director of the Children's Health Centre in Warsaw, National Consultant in Pediatrics, 1994-2001. Member of the Presidium of the Committee for Registration of Medicines (1996-2001). Professor, Head of the Institute of Medicine, Warsaw, (2001-2002). Chairman of the Scientific Council of the POLSAT ZDROWIE I URODA television channel, expert on the POLSAT NEWS television channel. Author of numerous publications in peer-reviewed journals.

FIELD OF STUDY: SOCIAL WORK

1. Structure and Organisation of Social Assistance (lecture conducted in English)

The lectures will give students basic knowledge about the functioning of social assistance institutions at local, regional, national and international levels. Students will learn about concept, general principles, rights, norms and values of social assistance. They will also learn about the evolution of social assistance development in Poland and the world and the main social assistance institutions and their tasks.

Moreover, the lecture will cover issues related to the organisation and management in social assistance and present social assistance systems in selected European countries.



Monika Struck-Peregończyk, Ph.D.

Assistant Professor in the Department of Political Science and Administration. Vice Dean of the College of Media and Social Communication for Social Work. Director of the Academy 50+ .Employed at the College of Information Technology and Management since 2007.

PhD in Political Science (University of Warsaw, Faculty of Journalism and Political Science, 2014), MA in English Philology (University of Rzeszow, Faculty of Philology), BA in Political Science (University of Rzeszow, Faculty of Sociology and History).

Her research interests focus on disability studies, contemporary social policy, migration and social mobility

2. **Introduction to Sociology** (lecture conducted in English)

The lectures are designed to provide students with basic sociological knowledge. The lecture will raise issues such as:

- Pre-sociological reflection on society and the place of an individual in society. Genesis, essence and development of sociology. The image of modern sociology. Sociology and other social sciences.
- The concept of social structure - definitional problems, basic typologies; social institution - social organization - social structure. Social marginalization. Underclass.
- Social environment - social circles, communities, local communities. Social groups, affinity groups and reference groups - group structure, role arrangement. Social role theory. Identity and social roles. Social bond.
- Behavior, actions, interactions. Social interactions.
- Social change; global social trends.
- Inequalities: class, ethnicity and gender. Social stratification. Class stratification. Ethnic stratification. Gender stratification. Gender (culturally determined gender).



prof. dr hab. Teresa Sasińska-Klas, Ph.D.

Sociologist and political scientist in the discipline of media sciences. In 1998, organiser and director (until 2002) of the Institute of Journalism and Social Communication at the Faculty of Management and Social Communication, Jagiellonian University. Since 2002, Chairwoman of the IDMiKS Council at the Jagiellonian University. Between 2004 and 2010, President of the Board of the Polish Political Science Association. Member of the Executive Committee of the International Political Science Association since 2009. From 2012 to 2014 Vice President at the International Political Science Association .

Expert of the European Commission's Team Europe on senior citizenship policy.

She specialises in issues concerning the relationship between media and politics, political socialisation, public opinion and public awareness. She is the author of 10 monographs and collective works, as well as over 200 scientific publications and papers and presentations at scientific conferences in Poland and abroad.

Her research interests include media and politics, public opinion polls, communication risks, risk society, media and European integration, media audiences.

3. Social Work Law and Policy (lecture conducted in English)

The lectures are designed to familiarise students with the key concepts, regulations and institutions of the legal system of social welfare in Poland and selected EU countries. Students will learn about the division of competences between units of local self-government and issues defining the rights of non-public entities, as well as the term privatisation of social welfare.

The lectures will present detailed information on the system of benefits, the procedure for awarding them and forms of assistance specifically targeted at the child and family.



Sylwia K. Mazur, Ph.D.

Associate Professor at the Department of Public Policies and Governance at University of Information Technology and Management in Rzeszów. Head of EUROPE DIRECT Rzeszów from May 2021 (previously Specialist on EU Information) to September 2022. Her research interests lie in the migration and asylum law and Transatlantic relations. She received her Ph.D. in European Union Law in 2021. She also holds B.S. in Journalism and Social Communication (University of Information Technology and Management in Rzeszów). She has graduated from different programs, among others Odysseus Network Summer School, European Academy of Diplomacy, International Business & Trade Summer Law Program by Catholic University of America and 'Europe in the World' Global Governance Training by European University Institute Kościuszko Foundation's scholarship recipient.