Course Descriptions

Course 1: DX: Digital Transformation for Business - MCP (Model Context Protocol)-Based RAG (Retrieval-Augmented Generation)

Visiting Professor: Prof. Dr. Kohei Arai, Faculty of Science and Engineering, Saga University, Japan
Co-Professor: Prof. Arbnor Pajaziti, Faculty of Mechanical Engineering, University of Prishtina

- **The course level:** Bachelor/Master
- **Language of instruction:** English
- **Daily teaching hours**: 3
- **Duration:** 6-17 July 2026
- **Numbers of ECTS credits:** 4
- **Venue:** University of Prishtina, Str. George Bush no.31, Prishtina, Republic of Kosova

ABOUT THIS COURSE

This course aims to provide a comprehensive introduction to digital transformation (DX) and advanced AI-driven decision-making frameworks. Participants will explore Model Context Protocol (MCP) and Retrieval-Augmented Generation (RAG**)**, learning how these approaches integrate internal knowledge bases with real-time external data to support predictive analytics and data-driven business decisions.

The course combines conceptual explanations with practical guidance on designing and building MCP–RAG systems**,** preparing students to apply these techniques in real-world organizational contexts. By the end of the course, participants will understand the role of DX in operational efficiency and productivity and will be able to leverage MCP–RAG approaches for strategic decision-making.

TEACHING METHOD

Teaching will mainly be conducted through PowerPoint presentations and hands-on activities. Active learning will be applied as the primary teaching approach. Students will be divided into several groups. Initially, they will discuss objectives, expected outcomes, and guiding questions through group discussions.

WHAT YOU WILL LEARN

- AI,
- Big Data,
- Data Science,
- Data Engineering,
- Data Analytics,
- Prediction Method,
- Decision Making,
- Predictive Analytics,
- Optimization,
- MCP,
- RAG,
- AI Agent.

Course 2: Bayesian Methods for Financial Technology and Risk Analysis

Visiting Professor: Prof. Dr. Claudia Tarantola, Faculty of Economics, Management and Quantitative Methods, University of Milan, Italy
Co-Professor: Prof. Assoc. Albulena Shala, Faculty of Economics, University of Prishtina

- **The course level:** Bachelor/Master
- **Daily teaching hours**: 3
- **Duration:** 6-17 July 2026
- **Numbers of ECTS credits:** 4
- **Venue:** University of Prishtina, Str. George Bush no.31, Prishtina, Republic of Kosova

ABOUT THIS COURSE

This course introduces Bayesian statistics as a powerful framework for decision-making under uncertainty in financial technology. In a FinTech environment characterized by complex and incomplete data, Bayesian methods offer key advantages by integrating prior knowledge and enabling continuous model updating as new information becomes available.

Focusing on intuition and practical application rather than formal mathematics, the course combines lectures with hands-on sessions in R. Students will apply Bayesian inference to real-world problems such as credit risk analysis, portfolio management, fraud detection, and algorithmic trading.

The course concludes with a Final Workshop, where participants present short group projects or case studies and discuss Bayesian approaches in FinTech with invited guest speakers. By the end of the course, students will have a solid understanding of Bayesian regression models and contemporary data analytics tools used in financial decision-making.

TEACHING METHOD

The course will apply diverse teaching methods to provide an enriching learning experience for students. Methods that will be used include:

- Interactive lectures introducing Bayesian ideas with practical motivation.
- Hands-on labs in R using simulated and real FinTech datasets.
- Student-centered discussions to reinforce conceptual understanding.
- Case-based learning supported by multimedia materials on data, AI, and financial innovation.
- A final workshop with guest talks and project presentations.

WHAT YOU WILL LEARN

- Explain the fundamental concepts of Bayesian inference, including prior distributions, likelihoods, and posterior reasoning in the context of financial decision-making.
- Interpret and evaluate Bayesian model outputs and assess their implications for uncertainty, risk, and evidence-based decision-making.
- Apply Bayesian regression and categorical models using R, including simulation-based approaches and introductory MCMC methods.
- Analyze real-world FinTech case studies—such as credit scoring, customer behavior modeling, and financial risk assessment—by integrating theoretical principles with empirical data.
- Communicate statistical results and uncertainty transparently, using appropriate visual and numerical summaries.
- Assess model assumptions, limitations, and potential sources of bias in Bayesian analyses.

- Collaborate in small project teams to design and implement Bayesian solutions to open-ended FinTech problems.
- Demonstrate ethical awareness and responsible data practices, promoting fairness, transparency, and accountability in data-driven financial technologies.

Course 3: Ethnographic Film: Theory, History and Practice

(Special Programme: Anthropology Summer School at PISU)

Visiting Professor: Prof. Asst. Dr. Eralda Lameborshi, Faculty of Philosophy, East Texas A&M University (ETAMU), USA
Co-Professor: Prof. Assoc. Arsim Canolli, Faculty of Philosophy, University of Prishtina

- **The course level:** Bachelor/Master
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ABOUT THIS COURSE

This course is offered as part of the ongoing Anthropology Summer School at PISU. It includes a fieldwork component conducted in villages across Kosova. The course offers a historical and theoretical overview of documentary film in general and ethnographic film in particular. It approaches documentary traditions as evolving cultural practices shaped by aesthetic, ethical, political, and technological developments. At the same time, it explores ethnographic film as an anthropological method for rendering social and cultural relationships visible on the screen.

TEACHING METHOD

Through film screenings, critical discussions, and practical exercises, students will engage with major currents, genres, and authors in ethnographic and non-fiction filmmaking. The course also provides basic hands-on training in planning and producing a short ethnographic film.

WHAT YOU WILL LEARN

- Analyze ethnographic films within their historical contexts, identifying key turning points, innovations, and debates.
- Understand critical interpretations of the relationship between writing and filming ethnographic facts in anthropological practice.
- Identify key major traditions, genres, authors, and stylistic developments within documentary and ethnographic film.
- Distinguish the essential features of ethnographic film in relation to documentary film more broadly.
- Develop basic skills in conceptualizing, planning, and producing a short ethnographic film, including filming, interviewing, and ethical engagement with participants.

Course 4: Law & Economics of Artificial Intelligence (AI)

Visiting Professor: Prof. (FH) Dr. Armin Kammel, Faculty of Economics, Lauder Business School Vienna, Austria
Co-Professor: Prof. Asst. Mjellma Carabregu Vokshi, Faculty of Economics, University of Prishtina

- **The course level:** Bachelor/Master
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- **Duration:** 6-17 July 2026
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ABOUT THIS COURSE

The course aims to provide an interdisciplinary introduction to artificial intelligence (AI) by examining its interaction with legal and economic frameworks. It offers students a comprehensive understanding of how AI technologies are reshaping society, markets, and governance structures.

Drawing on foundational concepts from law and economics, the course explores the application of these disciplines to AI and its impact across various industries. Key topics include human–machine interaction, regulatory and governance challenges, data protection and privacy, labor market transformations, and AI-driven decision-making processes.

The curriculum emphasizes the practical implications of AI in areas such as intellectual property rights, corporate and regulatory law, and the digital economy, highlighting both the opportunities and challenges AI presents for regulation, economic efficiency, and responsible innovation.

TEACHING METHOD

The following teaching methods will be used:

- On-site lectures by local and visiting professors
- Global examples and case studies
- Reading, discussions, and small group activities.

WHAT YOU WILL LEARN

- Demonstrate a comprehensive understanding of the legal and economic principle that govern the development and application of AI technologies;
- Critically evaluate the impact of AI an existing law, economic systems, and policy frameworks,
- Assess the implications of AI from various legal and regulatory perspectives;
- Identify risks associated with AI technologies, including ethical, economic, and regulatory challenges and
- Critically evaluate and regulatory frameworks for AI, considering international and domestic developments.

Course 5: Gender, Migration and Diaspora

Visiting Professor: Dr. Dafina Paca, BA, MRes, PhD, Faculty of Philology, Cardiff University, Wales, UK
Co-Professor: Prof. Assoc. Vjollca Krasniqi, Faculty of Philosophy, University of Prishtina

- **The course level:** Bachelor/Master
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ABOUT THIS COURSE

This course aims to examine migration not only as the movement of bodies across borders, but also as the movement of identities, emotions, memories, and social inequalities. It explores how gender shapes migratory experiences and how individuals and communities negotiate belonging, intimacy, labour, care, identity, and legitimacy across different migration contexts.

Drawing on contemporary sociological, feminist, intersectional, and transnational approaches**,** the course introduces key debates on mobility, integration, representation**,** and the everyday negotiation of social inequalities, offering students critical tools to analyze migration in its social, cultural, and political dimensions.

TEACHING METHOD

- A focused lecture introducing key concepts (international and regional)
- A case study (global or Kosovo-specific)
- Guided group discussion
- Short applied activities and narrative exercises
- Media, documentary or digital examples
- A final-day writing and assessment workshop

WHAT YOU WILL LEARN

- Gendering Migration: Concepts, inequalities and frameworks
- Narratives of Movement: Identity, voice and representation
- Care, Domestic Labour and Transnational Economies
- Masculinities and Mobilities
- Marriage and Intimacy Across Borders
- Transnational Families and Kinship Practices
- Refugees, Borders and State Power
- Sexuality, Queer Migration and Diasporic Intimacies
- Diaspora, Memory and Identity
- Integration, Belonging and Everyday Citizenship (with assessment workshop).

Course 6: The Art of Literary Translation

Visiting Professor: Adjunct Prof. PhD Suzana Vuljević, Faculty of Philology, DePaul University, USA
Co-Professor: Prof. Asst. Mimoza Hasani Pllana, Faculty of Philology, University of Prishtina

- **The course level:** Bachelor/Master
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ABOUT THIS COURSE

This course aims to explore translation as both a theoretical concept and a creative craft**,** addressing questions such as *what translation is, whom it serves, and why we translate*. Drawing on the etymology of *translation* and the Albanian term *përkthim*, the course examines translation as a practice of movement, transformation, and meaning-making.

Challenging the view of translation as a mechanical process, the course highlights the translator's role as co-creator and cultural intermediary. It focuses on translation as constraints-based writing, requiring sensitivity to language, culture, tone, rhythm, and voice.

The course also considers the ethical and social dimensions of translation, emphasizing its role in cross-cultural dialogue, the visibility of marginalized voices, and social justice in the global literary landscape.

TEACHING METHOD

- Short lectures,
- Seminar-style discussions
- Translation workshop exercises.

WHAT YOU WILL LEARN

- reflect and become well versed in the contemporary debates around literary translation,
- gain a deep, nuanced practical and theoretical understanding of what literary translation entails,
- consider what literary translation asks of both the translator and the reader (i.e. How do we read a translation differently than we would a work in its original language? How ought we to read a translation?),
- develop a sensitivity and awareness of the layers of meaning in a text (and come to learn
- how literary translation fosters close, deep reading), the various modes of translation,
- come away with their own philosophy of translation, a particular perspective on translation as function, vocation and craft,
- acquire knowledge of various translation theories and strategies and will be able to apply them in practical situations,
- understand the development of the discipline of translation, including the key figures and theories that have shaped it, as well as its impact across different historical periods,
- be able to identify and analyze the challenges related to translating texts from different fields,
- gain an understanding of the importance of literary translation and its influence on culture and society, recognizing it as an act that goes beyond the mere transfer of words from one language to another.

Course 7: Media, Digital Communication and Public Opinion

Visiting Professor: Dr. Darren Lilleker, Faculty of Media & Communication, Bournemouth University, UK
Co-Professor: Dr. Dren Gërguri, Faculty of Philology, University of Prishtina

- **The course level:** Bachelor/Master
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- **Venue:** University of Prishtina, Str. George Bush no.31, Prishtina, Kosovo

ABOUT THIS COURSE

This course aims to introduce students to the theory, practice and function of communication and media in political and societal processes. Students will explore how traditional and new media platforms shape public discourse, influence opinion formation, and impact civic engagement. The course examines how media, political actors, and individuals use traditional and digital media to mediate communications; how public opinion is formed; how public figures and policies are viewed and perceived; how media and communication play a part in elections; and how different media and communication channels are used.

In this course, topics such as social media dynamics, algorithmic curation, echo chambers, information disorder, and the evolving landscape of journalism will be addressed. Through case studies and hands-on analysis, students will develop analytical skills to evaluate media effects, understand digital communication strategies, and assess their impact on democratic processes and public debate. Special attention will be given to contemporary challenges as a result of artificial intelligence evolvement.

TEACHING METHOD

- Lecturing
- Discussion, debates, brainstorming
- Cooperative teaching
- Exercises
- Case studies, practical examples Individual work of students.

WHAT YOU WILL LEARN

- Compare and contrast the function and influence of communication and the media in politics and political processes in various contexts.
- Evaluate how different media formats and digital communication technologies influence information processing and attitude formation among diverse audiences.
- Critically assess how media and communication function in various political processes and contexts.
- Critically examine the role of digital media in shaping political discourse, social movements, and civic participation
- Develop skills to identify and analyze patterns of disinformation and digital manipulation techniques
- Utilize these theories and methodologies to examine important societal and political processes, issues, and recent events in addition to those that were discussed in the course.

Course 8: Numerical Methods: Bridging Theory and Computation

Visiting Professor: Prof. Asst. Dr. Sc. Aneta Hapka, Faculty of Electronics and Computer Science, Koszalin University of Technology, Poland
Co-Professor: Prof. Assoc. Kajtaz Bllaca, Faculty of Mathematics and Natural Sciences, University of Prishtina

- **The course level:** Bachelor/Master
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ABOUT THIS COURSE

This course invites participants to explore the interface between mathematics and computer science through advanced numerical methods applied to real-world technical problems. Combining analytical rigor with algorithmic thinking, the course introduces key techniques for solving linear and nonlinear systems, grounded in matrix operations, derivatives, and Jacobian structures.

Students will study higher-order numerical integration methods, including the Adams–Bashforth, Adams–Moulton, and Gear families, with an emphasis on error control and computational efficiency. The course also introduces fundamental optimization problems, such as the knapsack and traveling salesman problems, as tools for data-driven decision-making.

Through hands-on work in Matlab and Scilab, participants will implement numerical algorithms, analyze their complexity, and apply them to systems of nonlinear ordinary differential equations. By the end of the course, students will have both a solid theoretical foundation and practical skills in numerical computation across diverse technical contexts.

TEACHING METHOD

- Application-oriented lectures combining mathematical theory with computational practice,
- Conceptual introduction to numerical methods, including nonlinear systems, numerical integration, and optimization,
- Strong emphasis on algorithmic thinking and problem-solving strategies,
- Hands-on programming sessions using Matlab and Scilab, with implementation of numerical methods from first principles,
- Focus on discretization techniques, error estimation, and adaptive accuracy control,
- Critical analysis of algorithmic complexity and computational performance,
- Student engagement in evaluating, optimizing, and improving their own code through computational experimentation.

WHAT YOU WILL LEARN

- Implement advanced numerical methods in Matlab and Scilab, including solvers for nonlinear systems and ordinary differential equations, without relying on built-in functions,
- Analyze and optimize the computational complexity of scripts and algorithms, applying efficiency- driven thinking to real-world technical problems,
- Estimate numerical errors and apply adaptive step size control in time discretization schemes, using algebraic expressions to guide precision,

- Solve classical optimization problems such as the knapsack and traveling salesman using numerical strategies,
- Translate mathematical formulations into algorithmic procedures, bridging theory and practice in engineering and computational contexts
- Communicate key concepts and terminology in numerical methods, including in interdisciplinary and non-technical environments,
- Demonstrate autonomy in expanding their programming and numerical modeling skills, with awareness of their applications in science, technology, and industry

Course 9: Mapping and Modelling Climate and Weather Using GIS and Remote Sensing Techniques

Visiting Professor: Prof. Asst. Dr. Eng. Joanna Jaskuła, Faculty of Environmental and Mechanical Engineering, Poznań University of Life Sciences, Poland
Co-Professor: Prof. Assoc. Valbon Bytyqi, Faculty of Mathematics and Natural Sciences, University of Prishtina

- **The course level:** Bachelor/Master
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- **Venue:** University of Prishtina, Str. George Bush no.31, Prishtina, Kosovo

ABOUT THIS COURSE

This course aims to address the challenges of climate change, including rising temperatures and changing precipitation patterns, by examining the increasing frequency and intensity of extreme events such as droughts, heat waves, and wildfires. These phenomena pose significant environmental, economic, and safety risks at the global scale.

The course emphasizes the importance of monitoring current conditions and modeling future climate and weather scenarios to support sustainable land and water management. It introduces Geographic Information Systems (GIS) andremote sensing as key tools for collecting, managing, analyzing, and visualizing climate-related geospatial data across spatial and temporal scales.

TEACHING METHOD

- Theoretical part - multimedia presentation, group discussion,
- Practical part - computer analysis using open-source datasets and software.

WHAT YOU WILL LEARN

- Demonstrate advanced knowledge of the drivers of climate change, its current impacts, and projected future scenarios.
- Analyze extreme climate events, including droughts, wildfires, and urban heat island phenomena.
- Explain the role of Geographic Information Systems (GIS) in the mapping, analysis, and visualization of climate and weather change.
- Collect, process, and manage remote sensing data for climate and weather analysis.
- Apply satellite data analysis techniques to assess and monitor extreme events.
- Evaluate the impacts of climate change and extreme events using GIS-based analytical methods**.**

Course 10: Seismic Resistance of Structures

Visiting Professor: Prof. Assoc. Dr. Tukazban Jafar Hasanova, Faculty of Civil Engineering, Azerbaijan University of Architecture and Construction, Azerbaijan
Co-Professor: Prof. Asst. Zijadin Guri, Faculty of Construction, University of Prishtina

- **The course level:** Bachelor/Master
- **Language of instruction:** English
- **Daily teaching hours:** 3
- **Duration:** 6-17 July 2026
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- **Venue:** University of Prishtina, Str. George Bush no.31, Prishtina, Kosovo

ABOUT THIS COURSE

The course aims to introduce students to the principles of seismic-resistant design and analysis of buildings and engineering structures capable of withstanding earthquake effects. It provides a comprehensive foundation in seismology, structural dynamics, and modern analytical methods used to ensure the safety and stability of construction projects.

Special emphasis is placed on regulatory requirements and international standards governing earthquake-resistant design. The course integrates theoretical concepts, such as dynamic load modeling and structural strength assessmentwith practical approaches, including the use of modern software tools for structural analysis and design.

Through real world case studies and practical calculation tasks, students will analyze the consequences of earthquakes, identify design deficiencies, and develop effective engineering solutions. By the end of the course, participants will be able to apply seismic resistance principles to structural projects, assess seismic risks, and propose solutions aimed at protecting lives and property in seismically active regions.

TEACHING METHOD

- Lectures- systematic presentation of the theoretical foundations of seismology, structural dynamics, and regulatory requirements for seismic-resistant design.
- Seminars and discussions, analysis of real-world case studies, examination of earthquake impacts, and identification of structural design errors.
- Practical sessions – completion of calculation tasks, modeling of dynamic loads, and development of engineering design solutions.

WHAT YOU WILL LEARN

- Explain the fundamental principles of seismology and structural dynamics relevant to earthquake engineering.
- Apply modern analytical and computational methods to evaluate the seismic performance of buildings and engineering structures.
- Interpret and implement international codes and standards for earthquake-resistant design.
- Use specialized software tools to model dynamic loads and assess structural behavior under seismic conditions.
- Design engineering solutions that enhance the resilience and safety of structures in seismically active regions.
- Critically analyze real-world earthquake case studies to identify design errors and propose improvements.
- Collaborate effectively in team-based projects focused on seismic safety and risk mitigation.

Course 11: Sports Nutrition

Visiting Professor: Prof. Assoc. Dr. Ibrahim Kubilay Türkav, Faculty of Sports Sciences, Süleyman Demirel University, Turkey
Co-Professor: Prof.Asst. Faton Tishukaj, Faculty of Physical Education and Sports, University of Prishtina

- **The course level:** Bachelor/Master
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ABOUT THIS COURSE

The course aims to explore the principles and applications of sports nutrition in physical activity, with a particular focus on ergogenic aids and their role in enhancing athletic performance, training, and recovery. Students will examine how energy systems, macronutrients, micronutrients, hydration, and supplementation influence performance across different types of sports.

Throughout the course, students will engage with current research, real-world case studies, and practical projects to develop personalized nutrition strategies for endurance, strength, and team sport athletes**.** Key topics include nutrition for female and youth athletes**,** weight management**,** injury recovery, and the safe and effective use of legal ergogenic aids and performance-enhancing strategies**.** By the end of the course, students will be able to assess sport-specific nutritional demands, interpret dietary assessments, and design effective nutrition plans that support athletes' health, performance, and recovery goals**.**

TEACHING METHOD

- Lectures and Presentations: core concepts, including energy systems, macronutrients, micronutrients, hydration, supplementation, and ergogenic aids, will be delivered through
- instructor-led lectures and multimedia presentations.
- Research Reviews: Students will examine current scientific literature on sports nutrition and ergogenic aids to critically assess evidence-based practices and differentiate safe strategies from banned or harmful methods.
- Case Studies: students will analyze real-world scenarios involving athletes from different
- sports to understand practical nutrition challenges, recovery strategies and the safe use of ergogenic aids.

WHAT YOU WILL LEARN

- Explain the role of macronutrients, micronutrients, and hydration in energy metabolism and athletic performance.
- Identify different food types and understand their functions in supporting health and physical performance.
- Assess the nutritional requirements of athletes based on sport type, training load, and individual factors.
- Design evidence-based nutrition and hydration strategies for training, competition, and recovery.
- Evaluate the safety, efficacy, and ethical considerations of dietary supplements, doping, and ergogenic aids.
- Develop exercise and nutrition prescriptions that integrate dietary strategies to optimize athletic performance.
- Apply principles of sports nutrition to special populations, including female and youth athletes, as well as individuals managing weight or recovering from injury.

Course 12: Introduction to Weaving Concepts

Visiting Professor: Prof. Monica Cruz de Gusmão Correia, School of Art, Art History, and Design – 3D Design Program, University of Iowa, USA
Co-Professor: Prof. Asst. Burim Arifi, Faculty of Arts, University of Prishtina

- **The course level:** Bachelor/Master
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- **Venue:** University of Prishtina, Str. George Bush no.31, Prishtina, Kosovo

ABOUT THIS COURSE

This course aims to introduce students to the fundamentals of weaving as both a craft and an art form. Participants will explore basic weaving techniques, tools, and materials while developing an understanding of the historical and cultural significance of woven textiles.

Through hands-on practice, students will create simple woven pieces and gain confidence in using looms and related equipment. The course emphasizes creative exploration alongside technical skill development, encouraging an appreciation of weaving as a form of artistic expression and cultural heritage.

TEACHING METHOD

- Lectures & Demonstrations: Overview of weaving history, tools, and techniques,
- Hands-On Practice: Guided studio sessions for skill development,
- Visual Resources: Use of images and sample textiles for inspiration,
- Critiques & Discussions: Instructor and peer feedback on projects,
- Independent Projects: Application of learned techniques in personal work.

WHAT YOU WILL LEARN

- Identify and use basic weaving tools and materials,
- Demonstrate fundamental weaving techniques on a loom,
- Create simple woven pieces incorporating color and pattern,
- Understand the historical and cultural significance of weaving,
- Apply creative problem-solving in textile design projects.

Course 13: Sustainable Production and Processing of Cow's Milk in Kosovo in the Context of One Health

Visiting Professor: Prof. Dr. Rainer Waldhardt, Faculty of Agricultural Sciences, Nutritional Sciences and Environmental Management, Justus Liebig University Giessen, Germany
Co-Professor: Prof. Xhavit Ramadani, Faculty of Agriculture and Veterinary Medicine, University of Prishtina

- **The course level:** Bachelor/Master
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- **Venue:** University of Prishtina, Str. George Bush no.31, Prishtina, Kosovo

ABOUT THIS COURSE

This course aims to examine the production and processing of cow's milk in the Republic of Kosovo through a One Health perspective, integrating environmental, animal, and human health considerations. The course focuses on the dairy value chain, from small-scale milk production on farms to the processing of milk into products such as yogurt, butter, and cheese.

Students will analyze key stages of the value chain, including animal feed production and quality, livestock management in barns and pastures, raw milk transport, and processing conditions in dairies**.** For each stage, relevant indicators of environmental sustainability, animal welfare, and human health are assessed.

Through applied analysis and discussion, students will evaluate potential risks and develop strategies to improve milk production and processing in line with One Health principles, while also considering the perspective of consumers and food safety requirements**.**

TEACHING METHOD

- Practical training (literature search and evaluation),
- Small group working,
- Oral presentation,
- Interviews.

WHAT YOU WILL LEARN

- Understand the complexity of cow's milk production and processing,
- Understand the status quo of cow-s milk production and processing in the Republic of Kosovo,
- Understand the need of sustainable cow's milk production and processing in the One Health context,
- Know how to evaluate the degree of sustainability of cow's milk production and processing,
- Know ways to improve the sustainability of cow's milk production and processing in the Republic of Kosovo.

Course 14: Chronobiology and Sleep Medicine

Visiting Professor: Prof. Assoc. Dr. Alain Riveros Rivera, Faculty of Medicine, Pontificia Universidad Javeriana, Colombia

Co-Professor: Dr. Besim Morina, Faculty of Medicine, University of Prishtina

- **The course level:** Bachelor/Master
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- **Venue:** University of Prishtina, Str. George Bush no.31, Prishtina, Kosovo

ABOUT THIS COURSE

The course aims to provide an intensive introduction to chronobiology and sleep medicine, examining how biological timing structures physiological function, behavior, and health. Students will explore the mechanisms underlying circadian rhythms, from molecular oscillators to systemic regulation by the hypothalamus and autonomic nervous systems, and examine how disruptions in these rhythms contribute to metabolic, cardiovascular, and psychiatric disorders. The course also introduces the physiology of sleep and the principles of chronomedicine, highlighting how timing influences pharmacological and nutritional interventions.

Alongside theoretical foundations, the course emphasizes hands-on learning through laboratory sessions involving actigraphy, body temperature monitoring, heart rate variability analysis, and a supervised sleep-recording exercise. These activities enable students to interpret physiological data, understand the role of biological rhythms in daily functioning, and apply chronobiological principles in research and health-related contexts.

TEACHING METHOD

- Introductory lectures for conceptual and physiological foundations of circadian and sleep mechanisms,
- Interactive workshops:
- Case study discussions,
- Analysis of real datasets,
- Critical reading of scientific papers,
- Laboratory sessions to apply concepts in practice:
- Physiological monitoring of circadian rhythms,
- Assessment of autonomic modulation,
- Sleep stage evaluation,
- Blended approach combining theoretical understanding with hands-on technical competence.

WHAT YOU WILL LEARN

- Explain the fundamental principles governing biological rhythms and sleep regulation
- Identify and describe the mechanisms underlying circadian synchronization and desynchronization
- Apply chronobiological methods to assess sleep-wake patterns and physiological rhythms in humans
- Interpret chronobiological data in relation to health, performance, and environmental factors
- Recognize the clinical and operational relevance of circadian and sleep disorders
- Propose evidence-based interventions to optimize sleep and circadian alignment in different contexts, including extreme environments

Course 15: Competitive Cybersecurity Fundamentals: Practical Skills for Modern Threats

Visiting Professor: Dr. Josh Brunty, College of Science – Cyber Forensics & Security, Marshall University, USA
Co-Professor: Prof. Blerim Rexha, Faculty of Electrical and Computer Engineering, University of Prishtina

- **The course level:** Bachelor/Master
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ABOUT THIS COURSE

This course introduces students to the fundamentals of cybersecurity through Capture the Flag (CTF) competitions—a practical, gamified approach widely used in industry and academia to develop technical skills. Over two weeks, participants will explore core concepts in network security, cryptography, web exploitation, and digital forensics, applying these skills in real-world scenarios.

The course emphasizes hands-on learning through guided labs and mini-challenges, culminating in a team-based CTF event that simulates real-world problem-solving under time constraints. Students will gain experience with tools and techniques used by cybersecurity professionals, including Linux command-line utilities, packet analysis, and forensic investigation frameworks.

By the end of the course, participants will understand both the theoretical foundations and practical applications of cybersecurity, enhancing employability and readiness for global cyber competitions. No prior experience is required; the course is designed for beginners and intermediate learners seeking an engaging, interactive introduction to cybersecurity.

TEACHING METHOD

Lectures with hands-on laboratory exercise for each module.

WHAT YOU WILL LEARN

- Explain the structure and purpose of CTF competitions in cybersecurity education.
- Apply basic cryptographic techniques to solve practical challenges.
- Perform network traffic analysis using industry-standard tools.
- Identify and exploit common web vulnerabilities in controlled environments.
- Conduct basic digital forensic investigations on compromised systems.
- Collaborate effectively in both individual and team-based problem-solving under time constraints.

Course 16: Democracy 2.0: Gender, Power & Human Rights

Visiting Professor: Dr. Merita Limani, University of Western Ontario, Faculty of Social Sciences (Human Rights, Law, Gender Studies, Constitutionalism)
Co- Professor: Prof.Assoc. Remzije Istrefi, Faculty of Law, University of Prishtina

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- **Venue:** University of Prishtina, Str. George Bush no.31, Prishtina, Kosovo

ABOUT THIS COURSE

This course explores how democracy is being reshaped conceptually, legally, and institutionally through struggles for gender equality and human rights. Under the lens of "Democracy 2.0," we examine how traditional models of representation are being challenged and reimagined to create more inclusive and equitable democratic systems. Students will engage with foundational debates in democratic theory, feminist political thought, and human rights law to understand who gets to participate, who holds power, and how exclusion persists within contemporary democracies.

We will also analyze how gendered norms, political institutions, and power structures shape political participation and representation, with a specific focus on Kosovo and the Western Balkans. Special attention is given to international human rights standards (including CEDAW), equality laws, quota systems, and Constitutional Court jurisprudence that aim to transform political life and equal representation.

As part of the course, students will also have guided study visits to the Assembly of Kosovo (Parliament) and the Constitutional Court to get familiar with legislative processes, judicial review, and institutional mechanisms related to gender equality and democratic governance. Through theoretical and empirical inquiry, students will critically explore how democracies evolve, and what is required to build more inclusive, rights-based, gender-equal democratic systems.

TEACHING METHOD

- Lectures and class discussion

WHAT YOU WILL LEARN

- Explain core principles of democratic equality and representation in the context of evolving "Democracy 2.0" debates.
- Understand key contributions of feminist political and social theory to rethinking democratic participation and power.
- Analyze how gendered norms, institutions, and human rights frameworks shape political participation and representation.
- Evaluate the role of international human rights mechanisms (CEDAW, Istanbul Convention) in advancing gender equality in democratic systems.
- Assess how equality laws, public policies, and gender quota reforms influence democratic transformation in Kosovo and the region.
- Apply intersectional and feminist analytical tools to evaluate barriers, exclusion, and pathways toward inclusive, rights-based democracy.

Course 17: The Prague Linguistic Circle and Its Impact on Language Typology

Visiting Professor: Mgr. Orkida Backus Borshi, PhD, Faculty of Arts, Institute of Ethnology, Central European and Balkan Studies, Charles University, Czechia
Co-Professor: Prof. Milote Sadiku, Faculty of Philology, University of Prishtina

- **The course level:** Bachelor/Master
- **Language of instruction:** English
- **Daily teaching hours:** 3
- **Duration:** 6-17 July 2026
- **Numbers of ECTS credits:** 4
- **Venue:** University of Prishtina, Str. George Bush no.31, Prishtina, Kosovo

ABOUT THIS COURSE

This course aims to introduce linguistic typology as a field that examines the regularities and limits of structural variation across natural human languages. It presents the typological approach to language and its place within linguistic theory, while offering practical insight into the methodology of typological research.

The course focuses primarily on the Prague Linguistic Circle and its understanding of language typology, with particular attention to the work of Vladimir Skalička.

TEACHING METHOD

- Lectures introducing the theoretical foundations of linguistic typology and the approach of the Prague Linguistic Circle,
- Guided reading and discussion of key texts by and about Vladimír Skalička and the Prague School,
- Text summarization exercises to develop critical understanding of typological arguments,
- Applied linguistic analysis using examples from Czech, English, French, and Albanian,
- Practical exercises focused on identifying and comparing typological features across genealogically diverse languages,
- Student participation and discussion to encourage analytical thinking and interpretation.

WHAT YOU WILL LEARN

- Demonstrate a solid understanding of linguistic typology as developed by Vladimír Skalička and the Prague Linguistic Circle.
- Explain the key principles and theoretical foundations of the Prague School approach to language typology.
- Identify and describe grammatically and genealogically diverse languages from a typological perspective.
- Apply typological concepts and categories to the analysis of concrete linguistic data.
- Compare structural features across languages to recognize typological patterns and differences.

Course 18: Spark Curiosity: Earth and Space Science Strategies for Primary & Lower Secondary Education

Visiting Professor: Dr. Lisa Olge Brown, School of Teaching and Learning, Sam Houston State University, USA
Co-Professor: Prof. Asst.Tomor Çela, Faculty of Education, University of Prishtina

- **The course level:** Bachelor/Master
- **Language of instruction:** English
- **Daily teaching hours:** 3
- **Duration:** 6-17 July 2026
- **Numbers of ECTS credits:** 4
- **Venue:** University of Prishtina, Str. George Bush no.31, Prishtina, Kosovo

ABOUT THIS COURSE

The course aims to prepare pre-service primary and lower secondary education teachers to design and implement effective, developmentally appropriate Earth and Space Science learning experiences for young learners. Emphasizing the Kosovo Curriculum Framework, the course builds foundational knowledge of Earth and Space Science concepts, scientific inquiry, instructional strategies, assessment design, and the integration of tools, materials, and technologies.

It also provides hands-on investigations, collaborative activities, and applied learning experiences to strengthen candidates' ability to engage children in meaningful exploration of Earth systems, weather, space phenomena, and the nature of science.

TEACHING METHOD

Hands-on inquiry based instruction with class discussions

WHAT YOU WILL LEARN

- Explain the nature of science,
- Connect Earth and Space Science concepts to Primary and Lower Secondary education,
- Identify major Earth systems and their interactions,
- Use tools and data to observe and analyze weather,
- Classify Earth materials using properties to identify them on other planetary bodies,
- Explain interactions of biotic and abiotic factors with humans,
- Develop skills and attitudes towards the environment and sustainability,
- Describe basic celestial bodies,
- Model rotation, revolution, and phases of celestial bodies,
- Explain seasonal and celestial patterns,
- Demonstrate safe practices in Earth and Space activities,
- Design inquiry-based Earth and Space Science activities,
- Apply developmental strategies to Earth and Space instruction,
- Develop aligned formative assessments,
- Communicate Earth and Space Science teaching competencies.

Course 19: Introduction to Forensic Science

Visiting Professor: Prof. Dr. Aleksandar Radu, School of Chemistry, University of Lincoln, United Kingdom
Co-Professor: Dr. Albana Veseli, Faculty of Mathematics and Natural Sciences, University of Prishtina

- **The course level:** Bachelor/Master
- **Language of instruction:** English
- **Daily teaching hours:** 3
- **Duration:** 6-17 July 2026
- **Numbers of ECTS credits:** 4
- **Venue:** University of Prishtina, Str. George Bush no.31, Prishtina, Kosovo

ABOUT THIS COURSE

This course aims to provide an overview of the skills required to protect, record, process, and interpret a crime scene. It is designed for students with a background in the natural sciences (e.g. chemistry, physics, biology, or a combination of these) but with no prior exposure to Forensic Science.

The course places strong emphasis on the role of crime scene investigation within the forensic process. It examines the full investigative workflow, from scene preservation and documentation (including sketching and photography) to evidence recovery, packaging, and record-keeping. Particular attention is given to the prevention of contamination and to maintaining the continuity and integrity of recovered evidence throughout the forensic process.

TEACHING METHOD

- Lectures covering key concepts underpinning the module
- Student-directed learning to support and extend lecture content
- Practical classes to deepen understanding through application
- Problem-based learning activities
- Inquiry-based learning approaches aligned with the *"Student as Producer"* model

WHAT YOU WILL LEARN

- Understand and describe the roles and responsibilities of crime scene personnel
- Demonstrate the steps required to protect, record and process a crime scene
- Describe and demonstrate the correct packaging techniques for trace evidence types recovered from a crime scene and the requirements of continuity of evidence
- Demonstrate understanding of the critical importance of crime scene investigation in the 'forensic process'.
- Demonstrate understanding of the evidential and intelligence value of information obtained from crime scene investigation
- Describe and demonstrate adherence to safe working procedures.