



UNIVERSITY OF
BUCHAREST
VIRTUTE ET SAPIENTIA



CIVIS OPEN ONLINE COURSE CATALOGUE

UNIVERSITY OF BUCHAREST

COURSES LIST

Academic Year 2021-2022

*Second Semester
(February – July 2022)*



GENERAL DESCRIPTION

CIVIS is excited to announce the latest phase of its growing educational offer for students. As online courses become more common in CIVIS member universities, we are excited to offer students the opportunity to join a selection of online courses offered by one of our member universities. This is a fantastic way to enrich your studies and experience CIVIS from home.

In the academic year 2021-22, this new pillar of the CIVIS offer for students is in a pilot phase. The range and type of courses available varies widely between universities, so take some time to explore the lists. Each university will be managing the registrations and application process for the courses they host. Check out the course lists below and stay tuned for updates!

ACCREDITATION AND RECOGNITION OF ECTS

Many of the courses offer ECTS credit points and could be recognised as part of your study programme – but this depends on the decision of your home university. We would recommend all students to verify in advance, at their home university, whether their preferred online course(s) could be recognised and to what extent. Even if they will not be recognised, you are welcome to apply as an addition to your study programme.

Upon graduation, students will receive a CIVIS Passport, an innovative tool that records all CIVIS activities (credited and non-credited). This CIVIS Passport will be a personal digital space for registering all CIVIS experiences, including participation in open online courses at other CIVIS universities. The CIVIS Passport is one of the very first tools for recording and recognising learning experiences at a European level. The inclusion of an activity in your CIVIS Passport will depend on the application and registration processes of the university hosting the course, so be sure to follow all instructions carefully!

APPLICATION PROCEDURE

The University of Bucharest is pleased to invite students from all CIVIS member universities to join in online courses that take place during the second semester (February 2022 – July 2022). Places are available in wide range of courses at Bachelor, Master and Ph.D. levels of study, covering different CIVIS thematic areas.

CIVIS students are invited to apply to any of the courses included in the UB's offer, before the application deadline: **Sunday, 6 February 2022**, through the following application form: https://docs.google.com/forms/d/e/1FAIpQLScIcPEIzTeW4VW2tUiLgKTaAj9pnSOWYcic7vgTHiWApdAQIO/viewform?usp=sf_link.

We kindly ask students to provide their institutional email address in the application form.

Students will receive, by Thursday, 10 February 2022, a confirmation email from the faculty secretariate, along with the course's activities schedule and other relevant information.

COURSES LIST

Courses offered by the Faculty of Biology

- Biomedical Microscopy (MA | English | 6 ECTS)

Courses offered by the Faculty of Business and Administration

- Marketing (BA | English | 6 ECTS)

Courses offered by the Faculty of Foreign Languages and Literatures

- August Strindberg: Life and Literary Work (BA | Swedish | 4 ECTS)
- Baroque Spanish Literature and Culture (BA | Spanish | 4 ECTS)
- Cross-language Transfer of Idiomaticity by means of Translation – a Cognitive-Cultural Approach (BA & MA | English & Romanian)
- German Language Practice for Advanced Students – Reading Comprehension (BA | German | 2 ECTS)
- Rhetoric (BA | Spanish | 4 ECTS)
- Spanish Literature and Culture: Lyric Poetry in the Spanish Middle Ages and Renaissance) (BA | Spanish | 4 ECTS)
- Swedish Syntax (BA | Swedish | 4 ECTS)
- The Critical Edition of Medieval Castilian Manuscripts. An Introduction (MA | Spanish | 4 ECTS)
- Translation Theory and Practice (BA | German | 3 ECTS)

Courses offered by the Faculty of Geography

- Advanced Geo-Spatial Programming (MA | English | 5 ECTS)
- GIS Applied in Environmental Science (MA | English | 5 ECTS)
- Imagery Intelligence (MA & PhD | Romanian | 4 ECTS)
- Multicriteria Environmental Assessment (MA | English | 5 ECTS)

Courses offered by the Faculty of History

- Cultural Geographies of Eastern Europe (16th-19th c.) (BA | English | 3 ECTS)
- Economic Ideas and Mentalities. Case-Study: The Max Weber Thesis (MA | English | 8 ECTS)
- Emergence of Complex Societies (MA | English | 6 ECTS)

- Urban Centres of the Roman Mediterranean Civilization (MA | English | 6 ECTS)

Courses offered by the Faculty of Journalism and Communication Studies

- Journalisme Entrepreneurial (BA | French | 6 ECTS)

Courses offered by the Faculty of Letters

- Anthropology of Art (BA | English | 4 ECTS)
- Branding and Collective Representations (MA | English | 5 ECTS)

Courses offered by the Faculty of Mathematics and Computer Science

- Introduction to Algebraic Geometry (MA | English | 5 ECTS)
- Reinforcement Learning (MA | English | 6 ECTS)

Courses offered by the Faculty of Philosophy

- Ethics and Economics (MA | English | 8 ECTS)
- Gender and Intercultural Communication (MA | English)
- Language and Cognition (MA | English | 8 ECTS)
- Minds and Machines (MA & PhD | English | 8 ECTS)
- Moral Psychology (MA | English | 8 ECTS)
- Morality, Business, and Information Technology (MA | English | 8 ECTS)
- Theory of Mind (MA & PhD | English | 8 ECTS)

Courses offered by the Faculty of Physics

- Processing of Physical Data and Numerical Methods (BA | English | 5 ECTS)
- Quantum Information and Communication (MA | English | 5 ECTS)
- Quantum Mechanics (BA | English | 8 ECTS)

Courses offered by the Faculty of Political Science

- Économie Politique Internationale (BA | French | 5 ECTS)
- Introduction to International Studies and Global Governance (BA & MA | English | 5 ECTS)
- Politics in Afghanistan (BA | English | 4 ECTS)
- Public Communication and Risk Management in International Environments: Fundamentals of Protocol, Diplomacy, Negotiation, Lobby and Advocacy (BA & MA | English | 6 ECTS)
- Regional Identities and Ideological Development in Eastern Europe (MA | English | 7 ECTS)

CIVIS OPEN ONLINE COURSE CATALOGUE

UNIVERSITY OF BUCHAREST

TITLE: BIOMEDICAL MICROSCOPY

Faculty of Biology – Department of Anatomy, Animal Physiology and Biophysics

LANGUAGE(S)	English	LEVEL OF STUDY	Master
CREDIT POINTS	6 ECTS	LIMITED ATTENDANCE	5
THEMATIC AREA(S)	Health	FIELD OF STUDY	Microscopy
PERIOD	17 Feb. – 26 May 2022	STRUCTURE	2h per week

DESCRIPTION:

The course will cover the following issues:

- Basic principles of optics
- Optical transmission microscopy
- Fluorescence microscopy
- Confocal microscopy
- Super resolution microscopy
- Optical tweezers
- Calcium imaging and data analysis
- Coupling microscopy techniques with electrophysiology recordings
- Intravital microscopy
- Atomic force microscopy
- Electron transmission microscopy
- Bioluminescence imaging
- Imaging techniques in clinical neurology

PREREQUISITES	Cell biology; Biophysics
COURSE GRADUATION REQUIREMENTS	80% attendance to courses; 1 ppt presentation; 1 quiz (at least 50% of answers)
CONTACT INFORMATION	Prof. Beatrice Radu, Ph.D. beatrice.radu@bio.unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE
UNIVERSITY OF BUCHAREST

TITLE: MARKETING (1.1.2.5.)

Faculty of Business and Administration – Department of Business Administration

LANGUAGE(S)	English	LEVEL OF STUDY	Bachelor
CREDIT POINTS	6 ECTS	LIMITED ATTENDANCE	10
THEMATIC AREA(S)	Society, Culture, Heritage	FIELD OF STUDY	Business Administration
PERIOD	14 Feb. – 23 May 2022	STRUCTURE	2h course & 2h seminars per week

DESCRIPTION:

The course is an insight on general marketing approaches – functions, market characteristics and dimensions, on consumer behaviour – attitudes, intentions, factors, as well as on marketing strategies, considering the classical and the extended marketing mix.

PREREQUISITES	Not the case
COURSE GRADUATION REQUIREMENTS	Online test – as final evaluation (multiple choice, true/false, essay) Class paper presentation – as continuous evaluation
CONTACT INFORMATION	Prof. Magdalena Platis, Ph.D. magdalena.platis@unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE
UNIVERSITY OF BUCHAREST

TITLE: BAROQUE SPANISH LITERATURE AND CULTURE (S1-SP-4)

Faculty of Foreign Languages and Literatures – Department of Romance, Classical and Neo-Greek Languages and Literatures

LANGUAGE(S)	Spanish	LEVEL OF STUDY	Bachelor
CREDIT POINTS	4 ECTS	LIMITED ATTENDANCE	5
THEMATIC AREA(S)	Society, Culture, Heritage	FIELD OF STUDY	Philology
PERIOD	14 Feb. – 29 May. 2022	STRUCTURE	2h course & 1h seminar per week

DESCRIPTION:

- The historical and cultural paradigm of the Spanish Baroque: a new artistic sensibility and a new aesthetic program
- Lope de Vega's contribution to the renewal of theatrical aesthetics: Arte nuevo de hacer comedias en este tiempo
- Lope de Vega and the creation of the Spanish classical theatre (El Caballero de Olmedo)
- Tirso de Molina and theological drama (El Burlador de Sevilla y Convidado de piedra)
- Pedro Calderón de la Barca and the metaphysical drama of freedom and destiny (La vida es sueño).
- Luis de Góngora and the “new poetry”
- Francisco de Quevedo: metaphysical poetry, love poetry, satirical-burlesque poetry
- Miguel de Cervantes: the innovation of the narrative paradigm in short prose and in the novel
- El Ingenioso hidalgo Don Quixote de la Mancha at the confluence of the Renaissance and Baroque
- Francisco de Quevedo, satirical prose, and picaresque novel
- Baltasar Gracián, practical philosophy and baroque didactic spirit

Extensive text selections and course support will be provided to students.

PREREQUISITES	Ability to understand a course taught in Spanish having as object the history of literature and culture.
COURSE GRADUATION REQUIREMENTS	<p>Online oral exam having as object the free commentary of a fragment of a literary work and the solving of several problems of history and literary theory, representative for the studied paradigm.</p> <p>Elaboration of a paper with a relevant topic for the studied subject, based on the individual study of a specific bibliography.</p>
CONTACT INFORMATION	<p>Prof. Anca Crivăț, Ph.D. anca.crvat@ljs.unibuc.ro</p>

CIVIS OPEN ONLINE COURSE CATALOGUE

UNIVERSITY OF BUCHAREST

TITLE: CROSS-LANGUAGE TRANSFER OF IDIOMATICITY BY MEANS OF TRANSLATION - A COGNITIVE-CULTURAL APPROACH

Faculty of Foreign Languages and Literatures – English Department

LANGUAGE(S)	English & Romanian	LEVEL OF STUDY	Bachelor & Master
CREDIT POINTS	TBD	LIMITED ATTENDANCE	15-20
THEMATIC AREA(S)	Society, Culture, Heritage	FIELD OF STUDY	Philology
PERIOD	24 Feb. – 26 May 2022	STRUCTURE	2h per week

DESCRIPTION:

The course focuses on the impact and relevance of the communicative context of some interactional act of communication, where the participants in this act resort, deliberately or not, to the use of linguistic phrases related to a certain conceptual domain (e.g., Food, Plants, etc.), but which – in the context – acquire an indirect, figurative sense with metaphorical references – in strict accordance with the lexical-conceptual and cultural features of the respective language/s.

The course also tackles the translational possibilities of the contrastive analysis – starting from the English idiomatic phrases with or without equivalence valence – whether cultural and/or linguistic – into the Romanian language.

A set of exercises and explanations meant to improve and consolidate competence into English and implicitly into Romanian idiomaticity will also be provided in this online course (the pragmatics and the conceptual 'model' of idiomatic phrases in the two languages, English and Romanian).

PREREQUISITES	Advanced level of English
COURSE GRADUATION REQUIREMENTS	Individual project focused on a given or freely elected topic for idiomaticity
CONTACT INFORMATION	Prof. Daniela Corina Ionescu, Ph.D. daniela.ionescu@lts.unibuc.ro ; daniones@gmail.com

CIVIS OPEN ONLINE COURSE CATALOGUE
UNIVERSITY OF BUCHAREST

TITLE: GERMAN LANGUAGE PRACTICE FOR ADVANCED STUDENTS - READING COMPREHENSION (Ge-S3-4)

Faculty of Foreign Languages and Literatures – Department of Germanic Languages and Literatures

LANGUAGE(S)	German	LEVEL OF STUDY	Bachelor
CREDIT POINTS	2 ECTS	LIMITED ATTENDANCE	5
THEMATIC AREA(S)	Society, Culture, Heritage	FIELD OF STUDY	Humanities
PERIOD	21 Feb. – 30 May 2022	STRUCTURE	2h every second week

DESCRIPTION:

The seminar aims to offer students different types of texts to be analysed from different points of view: semantic, morphological, and syntactic as well as pragmatic. Another aim of the seminar is to improve the students' reading comprehension. The texts offered are both literary and non-fiction texts. The literary texts are texts of contemporary literature (e.g., Siegfried Lenz), the non-fiction texts are mostly newspaper and magazine articles. To receive ECTS points, students must not only actively participate in the seminar, but also solve written assignments that improve their written expression and consolidate their ability to reflect. Active participation in the seminar will also improve the students' oral expression.

Through this working method, the following skills are practised in the seminar: reading comprehension in the first place, but also oral and written expression.

PREREQUISITES	German – B2 language level of CEFR
COURSE GRADUATION REQUIREMENTS	Active participation in the seminar and written assignments during the semester
CONTACT INFORMATION	Assoc. Prof. Ileana-Maria Ratcu, Ph.D. maria.ratcu@lils.unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE

UNIVERSITY OF BUCHAREST

TITLE: RHETORIC

Faculty of Foreign Languages and Literatures - Department of Romance, Classical and Neo-Greek Languages and Literatures

LANGUAGE(S)	Spanish	LEVEL OF STUDY	Bachelor
CREDIT POINTS	4 ECTS	LIMITED ATTENDANCE	30
THEMATIC AREA(S)	Not the case	FIELD OF STUDY	Philology
PERIOD	14 Feb. – 29 May. 2022	STRUCTURE	2h per week

DESCRIPTION:

The goals of the course are understanding the relationship between rhetoric, argumentation, and linguistic disciplines (especially pragmatic); assimilation of specific notions of argumentation and the formation of rhetorical skills by learning concrete methods of design and conducting a persuasive intervention, depending on concrete data of the communication situation.

Course content description:

1. Definitions of rhetoric and transformations of this discipline over time; criticism and defence of rhetoric (censored and banned advertisements, questionable political speeches: mini case studies); rhetoric vs. pragmatic.
2. Ancient rhetorical genres and their current hypostases.
3. Inventio: myths, commonplaces, types of arguments, procedures, and their relationship to the terminology of pragmatics (with applications on current advertising and political texts in the Iberian and South American cultural space).
4. Dispositio: Ways of ordering and distributing persuasive procedures in classical oratorical discourse; argumentative structures in current political and advertising texts.
5. Elocutio: Rhetorical figure - definitions, taxonomic proposals, argumentative effects; contrastive analysis of advertising and political language (use of connotation; reduction / amplification of expression; representation of sender and recipient); iconic and verb-iconic figure: notions of visual rhetoric.
6. Actio: persuasive performance; peculiarities of non-verbal communication: elements of kinesics and proxemics.

PREREQUISITES	C1 in Spanish, Second year graduate in the Bologna system
COURSE GRADUATION REQUIREMENTS	Evaluation of interventions during case studies and online test with limited solving time
CONTACT INFORMATION	Lect. Mihai Iacob, Ph.D. mihai.iacob@lts.unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE
UNIVERSITY OF BUCHAREST

TITLE: SPANISH LITERATURE AND CULTURE: LYRIC POETRY IN THE SPANISH MIDDLE AGES AND RENAISSANCE) (SP-S1-2)

Faculty of Foreign Languages and Literatures – Department of Romance, Classical and Neo-Greek Languages and Literatures

LANGUAGE(S)	Spanish	LEVEL OF STUDY	Bachelor
CREDIT POINTS	4 ECTS	LIMITED ATTENDANCE	15
THEMATIC AREA(S)	Society, Culture, Heritage	FIELD OF STUDY	Philology
PERIOD	14 Feb. – 29 May. 2022	STRUCTURE	2h course & 1h seminar per week

DESCRIPTION:

The course aims to provide a perspective on the Spanish lyric poetry of the Middle Ages and the Renaissance, focusing on the main issues of history and literary theory of those eras. Main topics: the interdependence between traditional lyric and cult lyric (jarchas, Galician-Portuguese lyric, villancicos), Cancionero poetry and the beginnings of Italian influence in medieval Spanish lyric poetry, continuity, and innovation in 16th century poetry (Garcilaso de la Vega, Fernando de Herrera, Fray Luis de León, San Juan de la Cruz, Lope de Vega). Extensive text selections and course support will be provided to students.

PREREQUISITES	Ability to understand a course taught in Spanish having as object the history of literature and culture.
COURSE GRADUATION REQUIREMENTS	Continuous evaluation: elaboration of a micro-research work of analysis and interpretation of a literary work that is not part of the seminar bibliography. Final evaluation: direct written exam or online oral exam having as object the free commentary of a fragment of a literary work and solving several problems of history and literary theory, representative for the studied paradigm.
CONTACT INFORMATION	Prof. Anca Crivăț, Ph.D. anca.crvat@ljs.unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE

UNIVERSITY OF BUCHAREST

TITLE: SWEDISH SYNTAX

Faculty of Foreign Languages and Literatures – Department of Germanic Languages and Literatures

LANGUAGE(S)	Swedish	LEVEL OF STUDY	Bachelor
CREDIT POINTS	4 ECTS	LIMITED ATTENDANCE	10
THEMATIC AREA(S)	Not the case	FIELD OF STUDY	Linguistics, Language
PERIOD	14 Feb. – 27 May 2022	STRUCTURE	3h per week

DESCRIPTION:

The course deals with the syntax of the Swedish phrases, clauses, and sentences from a transformational-generative perspective. Besides the theoretical framework, the students will study and analyse a variety of texts, from simple structures to complex sentence phenomena.

The topics will develop understanding about the structure of Swedish and provide students with essential and basic skills for the linguistic description and analysis of the Swedish.

Topics (in Swedish):

- Frasernas struktur i svenskan: Nominalfrasen, Adjektivfrasen, Participlefrasen, Adverbfrasen, Prepositionsfrasen, Subjunktionsfrasen, Infinitivfrasen
- Primära satsdelar: Subjekt, Predikativ, Objekt, Adverbial
- Sekundära satsdelar
- Bisatser
- Primär satslösning
- Fullständig satslösning

PREREQUISITES	Swedish B1
COURSE GRADUATION REQUIREMENTS	Written exam in the beginning of June 2022
CONTACT INFORMATION	Assoc. Prof. Carmen Vioreanu, Ph.D. carmen.vioreanu@lils.unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE
UNIVERSITY OF BUCHAREST

TITLE: TRANSLATION THEORY AND PRACTICE

Faculty of Foreign Languages and Literatures – Department of Germanic Languages and Literatures

LANGUAGE(S)	German	LEVEL OF STUDY	Bachelor
CREDIT POINTS	3 ECTS	LIMITED ATTENDANCE	10
THEMATIC AREA(S)	Not the case	FIELD OF STUDY	Translation Studies
PERIOD	14 Feb. – 1 May 2022	STRUCTURE	2h every second week (5 meetings per total)

DESCRIPTION:

The objective of the Translation Theory and Practice course is to provide students with the necessary knowledge, both theoretical and practical, complemented by applications on various types of texts. Emphasis will be placed on the use of the appropriate register and the transfer of cultural differences. The aim is to acquire the necessary knowledge so that graduates can perform the most varied and complex activities in the translation profession.

Topics:

- Models of text analysis for translation: Ch. Nord – analysis from a didactic perspective
- Transfer of cultural elements
- Translation strategies and procedures
- Non-verbal dimensions in the process of intercultural transfer
- Multidimensional translation: subtitling, synchronisation, localisation

PREREQUISITES	B2 German
COURSE GRADUATION REQUIREMENTS	Attending the seminar, written exam, obtaining at least grade 5 (on a 1 to 10 scale, where 10 is the maximum)
CONTACT INFORMATION	Lect. Evemarie Draganovici, Ph.D. evemarie.draganovici@lts.unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE
UNIVERSITY OF BUCHAREST

TITLE: ADVANCED GEO-SPATIAL PROGRAMMING

Faculty of Geography – Department of Regional Geography and Environment

LANGUAGE(S)	English	LEVEL OF STUDY	Master
CREDIT POINTS	5 ECTS	LIMITED ATTENDANCE	30
THEMATIC AREA(S)	Climate, Environment, Energy	FIELD OF STUDY	Geography - Computer Science
PERIOD	28 Feb. – 3 Jun. 2022	STRUCTURE	2h per week

DESCRIPTION:

Geo-spatial programming with Python.

PREREQUISITES	Basic knowledge of Python is a must
COURSE GRADUATION REQUIREMENTS	Project
CONTACT INFORMATION	Lect. Ionuț Sandric, Ph.D. ionut.sandric@geo.unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE
UNIVERSITY OF BUCHAREST

TITLE: GIS APPLIED IN ENVIRONMENTAL SCIENCE

Faculty of Geography – Department of Regional Geography and Environment

LANGUAGE(S)	English	LEVEL OF STUDY	Master
CREDIT POINTS	5 ECTS	LIMITED ATTENDANCE	30
THEMATIC AREA(S)	Climate, Environment, Energy	FIELD OF STUDY	GIS-Geography
PERIOD	28 Feb. – 3 Jun. 2022	STRUCTURE	4h per week

DESCRIPTION:

Spatial analysis, modelling.

PREREQUISITES	Knowledge of ArcGIS Pro, basic knowledge of GIS
COURSE GRADUATION REQUIREMENTS	Project
CONTACT INFORMATION	Lect. Ionuț Sandric, Ph.D. ionut.sandric@geo.unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE

UNIVERSITY OF BUCHAREST

TITLE: IMAGERY INTELLIGENCE

Faculty of Geography – Department of Geomorphology, Pedology and Geomatics

LANGUAGE(S)	Romanian	LEVEL OF STUDY	Master & Ph.D.
CREDIT POINTS	4 ECTS	LIMITED ATTENDANCE	Not the case
THEMATIC AREA(S)	Climate, Environment, Energy & Cities, Territories, Mobilities	FIELD OF STUDY	Geography
PERIOD	14 Fe. – 15 Jun. 2022	STRUCTURE	2h course & 2h practical activities / week

DESCRIPTION:

The aim of this course is to provide foundation for the analysis of imagery in areas related to defence, security, and civilian infrastructure. The course is designed for attendees with little or no background in imagery analysis and provides training in remote-sensing, imagery exploitation using GIS software, imagery interpretation techniques and imagery analysis.

Theory lesson is supported with practical exercises to develop imagery analysis skills and to enable course attendees to create appropriate imagery intelligence (IMINT) products to support decision makers at operational and strategic levels.

Main topics:

- Types of information
- Principles of data collection
- Introduction to satellite imagery and their applications
- Methods and techniques of visual interpretation of satellite images
- Information distribution analysis
- Information manipulation; organizing them into functional classes
- Research and collection of information
- Information analysis
- Report production

PREREQUISITES	Geospatial subjects and/or link with remote sensing
COURSE GRADUATION REQUIREMENTS	Attendance & project presentation
CONTACT INFORMATION	Lect. Corneliu Tudose, Ph.D. ctudose@geo.unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE
UNIVERSITY OF BUCHAREST

TITLE: CULTURAL GEOGRAPHIES OF EASTERN EUROPE (16TH-19TH C.)

Faculty of History – Department of International Relations and Universal History

LANGUAGE(S)	English	LEVEL OF STUDY	Bachelor
CREDIT POINTS	3 ECTS	LIMITED ATTENDANCE	20
THEMATIC AREA(S)	Society, Culture, Heritage & Cities, Territories, Mobilities	FIELD OF STUDY	Early Modern History; Cultural History; Diplomatic History
PERIOD	14 Feb. – 20 Apr. 2022	STRUCTURE	2h per week

DESCRIPTION:

Historians often use territorial frames to construct their interpretations, but they seldom think about the origin of such geographical concepts. Eastern Europe, Southeast Europe or the Balkans are not geographically neutral concepts, but cultural-driven constructs. This course aims to investigate how these geographical frames were imagined and how they changed, from the 16th century to the beginning of the 20th century. The course will thoroughly discuss the continuous shaping of the concept of “other Europe”, a region placed both inside and outside Europe. The orientalization of European Turkey, the Enlightenment effort to invent Eastern Europe or the definition of the Balkans as a space for violence and political unrest are different historical expressions of this geographical construction of otherness. Using a variety of sources, both textual (travelogues, diplomatic reports, geographical and historical works, etc.) and visual (maps, engravings, paintings, photographs, etc.), of “Western” and “Eastern” origin, the course will look at how these discursive geographies have been fabricated, disseminated and, to some extent, internalized.

PREREQUISITES	Not the case
COURSE GRADUATION REQUIREMENTS	<p>The final grade will consider class attendance (10%), reading and participation in discussions (30%) and an oral examination (60%).</p> <p>The oral examination will be centred on a pre-prepared presentation on a topic relevant to the construction of the cultural or symbolic geography of Eastern Europe from the 16th to the 19th centuries.</p>
CONTACT INFORMATION	<p>Assoc. Prof. Silvana Racheru, Ph.D. silvana.rachieru@istorie.unibuc.ro</p> <p>Assoc. Prof. Marian Coman, Ph.D. marian.coman@istorie.unibuc.ro</p>

CIVIS OPEN ONLINE COURSE CATALOGUE

UNIVERSITY OF BUCHAREST

TITLE: ECONOMIC IDEAS AND MENTALITIES. CASE-STUDY: THE MAX WEBER THESIS

Faculty of History – Department of International Relations and Universal History

LANGUAGE(S)	English	LEVEL OF STUDY	Master
CREDIT POINTS	8 ECTS	LIMITED ATTENDANCE	8
THEMATIC AREA(S)	Society, Culture, Heritage	FIELD OF STUDY	History
PERIOD	25 Feb. – 6 May 2022	STRUCTURE	4h per week

DESCRIPTION:

The Max Weber Thesis about the Relationship between the Protestant Ethic and the Capitalist Spirit is one of the most debated issues in the social sciences and humanities. The course will highlight the context of its formulation, the structure of Max Weber's *Die protestantische Ethik und der Geist des Kapitalismus* (1904-1905), and some of the controversies which unfolded in its century-long posterity. The students will be introduced to some of the most important intellectual partners and critics of Max Weber's Thesis, such as Werner Sombart, Ernst Troelsch, Talcott Parsons, Richard Henry Tawney, André Biéler, Kurt Samuelson, Jean Delumeau, Sascha O. Becker and Ludger Woessmann. In the final part, there will be a discussion on the historicity of the Max Weber Thesis, as well as about its legacy in the 21st century.

The course will be interactive, focusing on group work, weekly tasks, and online presentations, which will also serve for the overall assessment of the participating students.

PREREQUISITES	Not the case
COURSE GRADUATION REQUIREMENTS	The graduation will be based on the tasks fulfilled by the students during the semester. Besides reading Max Weber's book, each student will have to present one 21st century author/cultural creation referring to the Max Weber Thesis, to build up a commented bibliography of 10-20 contributions on Max Weber's posterity, to present the assessment of the Max Weber Thesis by a selected 20th century scholar, and to participate at a structured debate between two student teams focusing on 21st century contributions about the meaning of the Max Weber Thesis nowadays.
CONTACT INFORMATION	Prof. Bogdan Murgescu, Ph.D. bogdan.murgescu@istorie.unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE

UNIVERSITY OF BUCHAREST

TITLE: EMERGENCE OF COMPLEX SOCIETIES

Faculty of History - Department of Ancient History, Archaeology and Art History

LANGUAGE(S)	English	LEVEL OF STUDY	Master
CREDIT POINTS	6 ECTS	LIMITED ATTENDANCE	15
THEMATIC AREA(S)	Society, Culture, Heritage	FIELD OF STUDY	History, Archaeology
PERIOD	14 Feb. – 29 May 2022	STRUCTURE	4h per week

DESCRIPTION:

The class will focus on the following major topics

- Introduction: significance and importance of the theme; conceptual and terminological boundaries.
- Research history – the "creation" of prehistoric society and the theories of complexity.
- The relationship of the natural environment with societies in homeostasis and those in dynamic equilibrium.
- Economic mechanisms of complex societies' emergence
 - (1) mechanisms of intensification
 - (2) long-distance exchange
- Social mechanisms of the emergence of complex societies:
 - (1) evolutionary theories
 - (2) processualism and post-processualism
- Ideological mechanisms of the emergence of complex societies
 - (1) from egalitarian societies to chiefdoms
 - (2) from chiefdoms to centralised formulas of authority
- Case study: „Fürstengräber“ in Europe
- Aggregation of political space at the end of prehistory
- Case study: Mycenaean kingship in the context of the Eastern Mediterranean

PREREQUISITES	Not the case
COURSE GRADUATION REQUIREMENTS	Participation in the debate using the indicated bibliography; Formulation of evidence-based opinions; Formulation of arguments in favour of one's own epistemic position in relation to the topic of debate; Presentation of an individual paper.
CONTACT INFORMATION	Prof. Carol Căpiță, Ph.D. carol.capita@istorie.unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE
UNIVERSITY OF BUCHAREST

TITLE: URBAN CENTRES OF THE ROMAN MEDITERRANEAN CIVILIZATION

Faculty of History - Department of Ancient History, Archaeology and Art History

LANGUAGE(S)	English	LEVEL OF STUDY	Master
CREDIT POINTS	6 ECTS	LIMITED ATTENDANCE	15
THEMATIC AREA(S)	Society, Culture, Heritage & Cities, Territories, Mobility	FIELD OF STUDY	Archaeology
PERIOD	19 Feb. – 29 May. 2022	STRUCTURE	4h per week

DESCRIPTION:

The class is focused on the evolution of four main cities in the Mediterranean during Roman times: Rome, Athens, Constantinople, and Jerusalem. For each city, we discuss demography, social and economic life, infrastructure (fortifications, streets, water management, public spaces, harbours), and the impact of political factors on their general evolution.

PREREQUISITES	Not the case
COURSE GRADUATION REQUIREMENTS	Reading sheets, online presentations, exam with open questions.
CONTACT INFORMATION	Assoc. Prof. Valentin Bottez, Ph.D. valentin.bottez@istorie.unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE
UNIVERSITY OF BUCHAREST

TITLE: JOURNALISME ENTREPRENEURIAL

Faculty of Journalism and Communication Studies - Department of Journalism

LANGUAGE(S)	French	LEVEL OF STUDY	Bachelor
CREDIT POINTS	6	LIMITED ATTENDANCE	20
THEMATIC AREA(S)	Not the case	FIELD OF STUDY	Journalism
PERIOD	14 Feb. – 29 May 2022	STRUCTURE	3h per week

DESCRIPTION:

- Journalism today
- Reminder of the basics in communication and journalism
- How to create a media (on and offline)
- Video projection of documentaries/interviews on different topics

The course has a strong "coaching" element, considering topics such as how to be more confident and how to know oneself.

PREREQUISITES	Not the case
COURSE GRADUATION REQUIREMENTS	Individual project
CONTACT INFORMATION	Lect. Camelia Cușnir, Ph.D. camelia.cusnir@fjsc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE
UNIVERSITY OF BUCHAREST

TITLE: ANTHROPOLOGY OF ART

Faculty of Letters – Department of Cultural Studies

LANGUAGE(S)	English	LEVEL OF STUDY	Bachelor
CREDIT POINTS	4 ECTS	LIMITED ATTENDANCE	6
THEMATIC AREA(S)	Society, Culture, Heritage	FIELD OF STUDY	Cultural Studies
PERIOD	14 Feb. – 1 May 2022	STRUCTURE	3h/week. One lecture every two weeks. One seminar every week.

DESCRIPTION:

Object of the course: To get the undergraduate students familiar with general issues in the anthropology of art, through the organization of the five lectures and ten seminars around several key-concepts and themes of topical interest in the international field.

Organization: Bibliography is given to the students on Google Classroom, irrespective of the course format (physical, online or hybrid). The students shall have two seminar presentations throughout the semester, on a theme at their choice from the given bibliography, which should be critically reviewed and presented (in PowerPoint) in groups of two or three.

Course themes: (5 lectures)

- Art form an anthropological view
- Anthropology of art vs. history of art
- Cultural relativism
- Symbolism and “primitive” art.
- Arts and crafts
- Decorativism in art
- Policies of representation and alterity in the European culture vs. world cultures
- Orient and orientalism in Europe
- Influences of non-European and non-Western cultures upon the Western European art: the role of travelling and of historical cultural contacts
- Anthropology of urban forms and anthropology for the architects: dwelling places and the built city.

Themes (10 seminars)

1. Introductory and organizational seminar
2. Art and ritual in ancient cultures and primitive cultures
3. Collectionism and the display of traditional art in ethnographic museums
4. Race, class, nation, and gender in art: political and cultural views
5. Major arts vs. minor arts, and the cultural relativism. Islamic art (case study)
6. Art and religion in anthropological readings and contemporary policies
7. Material culture studies and art

8. Agency and the power of images. The social role of art
9. Urban anthropology
10. The issue of loot and restitution of cultural assets in a postcolonial context.

Selective bibliography:

- D. Freedberg, *The Power of Images. Studies in the History and Theory of Response*, Chicago UP, Chicago, London, (1957) 1989
- Karp, S. D. Lavine (eds.), *Exhibiting Cultures: The Poetics and Politics of Museum Display*, Washington&London, Smithsonian Institution Press, 1991
- A.-S. Lehmann, „How materials make meaning”, *Netherlands Yearbook for History of Art*, Vol. 62, *Meaning in materials, 1400-1800* (2012), p. 6-27
- W.J.T. Mitchell, *What Do Pictures Want?*, Chicago UP , 2005

PREREQUISITES	Read and speak English fluently. Minimum technology to attend the course and operate with images and PowerPoint presentations.
COURSE GRADUATION REQUIREMENTS	<p>Examination: Seminar presentations and activity (50% of the grade)</p> <p>Oral examination – questions from the five courses to be posted on Google Classroom (50% of the grade).</p> <p>Graduation of the course: Min. 5/10 (as final grade).</p> <p>Prerequisites to attend examination in the first session: Minimum 50% presence at the course and seminars and at least one seminar presentation (out of two).</p>
CONTACT INFORMATION	<p>Assoc. Prof. Simona Drăgan, Ph.D.</p> <p>simona.dragan@litere.unibuc.ro</p>

CIVIS OPEN ONLINE COURSE CATALOGUE
UNIVERSITY OF BUCHAREST

TITLE: BRANDING AND COLLECTIVE REPRESENTATIONS

Faculty of Letters - Department of Communication Sciences

LANGUAGE(S)	English	LEVEL OF STUDY	Master
CREDIT POINTS	5 ECTS	LIMITED ATTENDANCE	10
THEMATIC AREA(S)	Society, Culture, Heritage	FIELD OF STUDY	Communication
PERIOD	14 Feb. – 27 May 2022	STRUCTURE	2h per week

DESCRIPTION:

Shaping corporate identities in a postmodern world: what you need to know to become viral and to transform a brand into a Lovemark. A course based on case-studies and applied projects where you learn to transform ROI (return on investment) into Return on Involvement.

PREREQUISITES	Not the case
COURSE GRADUATION REQUIREMENTS	Project & oral examination
CONTACT INFORMATION	Assoc. Prof. Alexandra Crăciun, Ph.D. alexandra.craciun@litere.unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE
UNIVERSITY OF BUCHAREST

TITLE: INTRODUCTION TO ALGEBRAIC GEOMETRY

Faculty of Mathematics and Computer Science – Department of Mathematics

LANGUAGE(S)	English	LEVEL OF STUDY	Master
CREDIT POINTS	5 ECTS	LIMITED ATTENDANCE	20
THEMATIC AREA(S)	Not the case	FIELD OF STUDY	Mathematics
PERIOD	14 Feb. – 29 May 2022	STRUCTURE	3h per week

DESCRIPTION:

The main goal of the lecture is to provide the student with the basic notions of algebraic geometry.

PREREQUISITES	General Theory of Rings and Modules, Notions of Noetherian Rings and Modules, Fields, Galois Theory, Geometry 1, Geometry 2, Analysis 1, Analysis 2
COURSE GRADUATION REQUIREMENTS	Homework, Written Exam
CONTACT INFORMATION	Prof. Marian Aprodu, Ph.D. marian.aprodu@unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE
UNIVERSITY OF BUCHAREST

TITLE: REINFORCEMENT LEARNING

Faculty of Mathematics and Computer Science – Department of Computer Science

LANGUAGE(S)	English	LEVEL OF STUDY	Master
CREDIT POINTS	6 ECTS	LIMITED ATTENDANCE	30
THEMATIC AREA(S)	Digital & Technological Transformations	FIELD OF STUDY	AI, Data Science, Software Engineering
PERIOD	14 Feb. – 2 May 2022	STRUCTURE	3h per week

DESCRIPTION:

Students will develop the ability to model and implement reinforcement learning solutions, to read and present scientific articles in the field, to work in a team.

Some content examples:

- Markov decision processes
- Monte Carlo
- Q-Learning
- Deep Q-Learning and variants lab
- Implementation of the methods on a PC using Python and Tensorflow or Pytorch
- Policy gradients implementation lab
- TRPO, PPO showcase
- Imitation learning on self-driving cars example
- GAIL method on gaming example (Unity engine)

PREREQUISITES	Python, Math – Calculus and Algebra, Probabilities and Statistics
COURSE GRADUATION REQUIREMENTS	Project and state of the art review on a field
CONTACT INFORMATION	Assoc. Prof. Ciprian Păduraru, Ph.D. ciprian.paduraru@fmi.unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE
UNIVERSITY OF BUCHAREST

TITLE: ETHICS AND ECONOMICS

Faculty of Philosophy – Department of Practical Philosophy and the History of Philosophy

LANGUAGE(S)	English	LEVEL OF STUDY	Master
CREDIT POINTS	8 ECTS	LIMITED ATTENDANCE	10
THEMATIC AREA(S)	Society, Culture, Heritage	FIELD OF STUDY	Philosophy
PERIOD	14 Feb. – 30 May 2022	STRUCTURE	2h course & 2h seminar per week

DESCRIPTION:

Main course objectives:

- To discuss the various levels of intersection or interdependence between ethics and economics
- To analyse the concept of economics as a moral science
- To analyse the interplay between markets and morality
- To apply moral theory and other ethical decision-making tools to address practical ethical dilemmas in business settings

We will discuss contributions from authors who influenced the history of both economics and philosophy (e.g., Adam Smith, David Ricardo, JS Mill, Amartya Sen, Friedrich Hayek) and try to highlight the way in which tools and concepts from one field are used to illuminate theoretical issues in the other.

PREREQUISITES	Familiarity with basic concepts in economics and moral philosophy („utility”) will be helpful
COURSE GRADUATION REQUIREMENTS	Active participation in the seminar discussion (40%), final paper (20%), defence of the paper (40%)
CONTACT INFORMATION	Assoc. Prof. Emanuel Socaciu, Ph.D. emanuel.socaciu@filosofie.unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE

UNIVERSITY OF BUCHAREST

TITLE: MORAL PSYCHOLOGY

Faculty of Philosophy – Department of Practical Philosophy and the History of Philosophy

LANGUAGE(S)	English	LEVEL OF STUDY	Master
CREDIT POINTS	8 ECTS	LIMITED ATTENDANCE	25
THEMATIC AREA(S)	Not the case	FIELD OF STUDY	Cognitive Science
PERIOD	14 Feb. – 29 May 2022	STRUCTURE	4h per week

DESCRIPTION:

This course examines a range of topics and debates in moral psychology. It touches both the conceptual intersections and interconnections between philosophical and cognitive-scientific approaches to moral decision making and the evolution of morality. Students will be enabled to explore theoretical difficulties concerning how we explain the nature of morality.

PREREQUISITES	Not the case
COURSE GRADUATION REQUIREMENTS	Seminar activity and final examination.
CONTACT INFORMATION	Lect. Emilian Mihailov, Ph.D. emilian.mihailov@filosofie.unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE
UNIVERSITY OF BUCHAREST

TITLE: MORALITY, BUSINESS, AND INFORMATION TECHNOLOGY (M.2.PPE.05)

Faculty of Philosophy – Department of Practical Philosophy and History of Philosophy

LANGUAGE(S)	English	LEVEL OF STUDY	Master
CREDIT POINTS	8 ECTS	LIMITED ATTENDANCE	8
THEMATIC AREA(S)	Society, Culture, Heritage & Digital & Technological Transformations	FIELD OF STUDY	Philosophy / Applied Ethics / Political Philosophy
PERIOD	15 Feb. – 26 Apr. 2022	STRUCTURE	4h per week

DESCRIPTION:

The general aim of this course is to introduce and discuss various levels of intersection and entanglement of ethics and economy with our online digital life. Specific objectives: to analyse and explain the new media landscape and its moral problems; to generate conceptual tools for practical moral assessment of digital platforms and applications; to develop critical thinking in relation to digital information, new media, and social networks by analysing current online practices.

The course approaches a large array of topics, such as the relationship between networks and the information economy, the online intellectual property conundrum, the future of privacy, internet governance, the algorithmic power of social media, the morality of blockchain and cryptocurrencies, the ethics of online pornography or the issue of moral norms in video games and Virtual Reality, etc.

Some expected learning outcomes for students are:

1. The ability to critically explore the complex relation between ethics and digital platforms, with a focus on business arrangements and their moral assessments.
2. The moral understanding of online business decisions, from a normative perspective.
3. The ability to track research-oriented questions in digital environments and to apply main moral theories in developing digital tools for business.
4. The capacity to understand the significance of the ‘informational turn’ in economy and business.

All in all, students will learn how to evaluate high-quality digital projects and practices, they will develop a conscientious time management in digital research and a critical capacity to cope with future challenges of 'digitizing' human life.

PREREQUISITES	Not the case
COURSE GRADUATION REQUIREMENTS	Students are expected to write a book review, to engage in discussions during seminars, to write a final paper (6-8 pages), and to answer to a set of questions as their final evaluation.
CONTACT INFORMATION	Lect. Constantin Vică, Ph.D. constantin.vica@filosofie.unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE
UNIVERSITY OF BUCHAREST

TITLE: THEORY OF MIND

Faculty of Philosophy – Department of Theoretical Philosophy

LANGUAGE(S)	English	LEVEL OF STUDY	Master & Ph.D.
CREDIT POINTS	8 ECTS	LIMITED ATTENDANCE	25
THEMATIC AREA(S)	Not the case	FIELD OF STUDY	Cognitive Science
PERIOD	14 Feb. – 29 May 2022	STRUCTURE	4h per week

DESCRIPTION:

This course examines the major contemporary debates surrounding the theory of mind. It touches both the conceptual intersections and interconnections between philosophical and cognitive-scientific approaches to mental conceptual repertoires, and explores the variety of contexts in which they are applied: philosophical, developmental, evolutionary, behavioural-neuroscientific, clinical, ethological, etc. Students will be enabled to explore theoretical difficulties concerning how we conceive of our mental states.

PREREQUISITES	Not the case
COURSE GRADUATION REQUIREMENTS	Participation, essays, final exam.
CONTACT INFORMATION	Assoc. Prof. Sorin Costreie, Ph.D. sorin.costreie@unibuc.ro Assist. Lect. Andrei Mărășoiu, Ph.D. andrei.marasoiu@filosofie.unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE

UNIVERSITY OF BUCHAREST

TITLE: PROCESSING OF PHYSICAL DATA AND NUMERICAL METHODS (DI.114F.EN)

Faculty of Physics – Department of Theoretical Physics, Mathematics, Optics, Plasma, and Lasers

LANGUAGE(S)	English	LEVEL OF STUDY	Bachelor
CREDIT POINTS	5 ECTS	LIMITED ATTENDANCE	10
THEMATIC AREA(S)	Not the case	FIELD OF STUDY	Physics
PERIOD	14 Feb. – 29 May 2022	STRUCTURE	3h per week

DESCRIPTION:

The course of Processing of Physical Data and Numerical Methods focuses on the methods and techniques of numerical solving of problems and data analysis, at an introductory level. Among its objectives are understanding specific problems and correlation between analytic and applicative aspects; developing abilities for numerical calculus; developing abilities for adapting numerical algorithms to physics problems; developing abilities for data analysis and interpretation from numerical estimations, to formulate rigorous theoretical conclusions.

The lecture / tutorials content:

1. Solution of Linear Algebraic Equations
2. Non-linear Equations and Roots of Polynomials
3. Interpolation and Extrapolation, Function approximation
4. Numerical Evaluation of Derivatives
5. Numerical Evaluation of Integrals
6. Numerical Solution of Ordinary Differential Equations

Some of the numerical methods (e.g., ODE, PDE, integral equations) are further studied in a second course, namely Simulation Methods in Physics.

PREREQUISITES	Algebra and Real Analysis
COURSE GRADUATION REQUIREMENTS	Project presentation of numerical solutions for assigned tasks
CONTACT INFORMATION	<p>Lect. Roxana Zus, Ph.D. roxana.zus@fizica.unibuc.ro</p> <p>Lect. Mihai Marciu, Ph.D. mihmarciu@gmail.com</p>

CIVIS OPEN ONLINE COURSE CATALOGUE

UNIVERSITY OF BUCHAREST

TITLE: QUANTUM INFORMATION AND COMMUNICATION

Faculty of Physics – Department of Theoretical Physics, Mathematics, Optics, Plasma, and Lasers

LANGUAGE(S)	English	LEVEL OF STUDY	Master
CREDIT POINTS	5 ECTS	LIMITED ATTENDANCE	10
THEMATIC AREA(S)	Not the case	FIELD OF STUDY	Theoretical Physics
PERIOD	14 Feb. – 30 May 2022	STRUCTURE	2h per week

DESCRIPTION:

The basic concepts of Quantum Information Theory will be presented. We will start with the definition of the qubit, entanglement, the Einstein-Podolsky-Rosen paradox and Bell's inequalities, Schmidt decomposition, no-cloning theorem. Further, we will introduce the most important protocols: quantum teleportation, superdense coding, quantum cryptography. We will discuss also about the Shannon entropy and von Neumann entropy. Another important tool in quantum information theory is given by the possibility to distinguish between different mixed states, which can be realized by using different measures. We will define and discuss about the trace distance and the fidelity. We will present the Uhlmann's theorem as well as the properties of the fidelity.

Since the perfect cloning of an arbitrary quantum state is forbidden, we show that we can use the so-called approximate cloning machines to copy some information about a given state. The final states generated by the approximate cloning machines are not identical to the original state but keep the orientation of the initial Bloch vector. Then, we define the quantum gates and their representations in quantum circuits. Further, we study the most important quantum algorithms: Deutsch's algorithm, Deutsch-Jozsa algorithm, Bernstein-Vazirani algorithm, Simon algorithm, Grover's quantum search algorithm, and Shor's factoring algorithm.

Finally, we present what happens with the quantum systems in the presence of quantum noise, by analysing some basic quantum channels.

PREREQUISITES	Quantum mechanics, Algebra
COURSE GRADUATION REQUIREMENTS	Written examination
CONTACT INFORMATION	Assoc. Prof. Iulia Ghiu, Ph.D. iulia.ghiu@g.unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE

UNIVERSITY OF BUCHAREST

TITLE: QUANTUM MECHANICS (DI.210F.EN)

Faculty of Physics – Department of Theoretical Physics, Mathematics, Optics, Plasma, and Lasers

LANGUAGE(S)	English	LEVEL OF STUDY	Bachelor
CREDIT POINTS	8 ECTS	LIMITED ATTENDANCE	12
THEMATIC AREA(S)	Climate, Environment, Energy	FIELD OF STUDY	Physics
PERIOD	14 Feb. – 29 May 2022	STRUCTURE	8h (lectures + practicals) per week

DESCRIPTION:

The Quantum Mechanics course is an introduction to the conceptual framework in which we interpret all phenomena specific to particle, nuclear, atomic, molecular, solid-state physics and more. Among the main objectives of the course are the description of specific physical theories/models for quantum systems, the assimilation of the formalism of Quantum Mechanics (the principles of Quantum Mechanics, states, observables, measurements), the understanding the peculiar behaviour of microscopic physical systems (energy quantization, nonlocality, superposition of states, incompatibility of observables and Heisenberg uncertainty principle).

The lecture content:

- The principles of Quantum Mechanics
- Coordinate representation of Quantum Mechanics
- The Quantum Harmonic Oscillator: Dirac vs polynomial approaches
- Angular Momentum in Quantum Mechanics
- The Quantum Kepler problem
- The coupling of angular momenta
- The time-independent perturbation theory
- Quantum dynamics in the presence of a magnetic field
- Systems of identical particles in Quantum Mechanics
- Theory of time-dependent perturbations

The main themes for tutorials:

- Review of linear algebra concepts; Dirac bra-ket formalism
- The principles of Quantum Mechanics - applications
- Coordinate representation of Quantum Mechanics: infinite and finite potential wells, potential barrier, tunnelling effect
- Quantum Harmonic Oscillator: statistics of position and momentum; applications
- Orbital and general angular momentum in Quantum Mechanics
- The spin one-half systems. Pauli two-component formalism
- Hydrogen atom
- Quantum mechanics of composite systems. Quantum entanglement
- The coupling of angular momenta – applications for particles with spin $\frac{1}{2}$ and 1

- The time-independent perturbation theory: non-degenerate and degenerate case. Applications: anharmonic oscillator, Stark effect
- The Pauli equation. Applications: Landau levels and integral quantum Hall effect

PREREQUISITES	Real and Complex Analysis, Linear Algebra, Differential Equations, Classical mechanics
COURSE GRADUATION REQUIREMENTS	Online test / oral examination
CONTACT INFORMATION	Prof. Virgil Băran, Ph.D. Lect. Virgil V. Băran, Ph.D. yvbaran@fizica.unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE
UNIVERSITY OF BUCHAREST

TITLE: ÉCONOMIE POLITIQUE INTERNATIONALE (SP1045)

Faculty of Political Science – Department of Public Policies, International Relations and Security Studies

LANGUAGE(S)	French	LEVEL OF STUDY	Bachelor
CREDIT POINTS	5 ECTS	LIMITED ATTENDANCE	100
THEMATIC AREA(S)	Society, Culture, Heritage	FIELD OF STUDY	Political Science
PERIOD	14 Feb. – 27 May 2022	STRUCTURE	3h per week

DESCRIPTION:

This course helps students understand multiple practical situations of everyday life (the return of financial crises, the debt problem, the challenges of development, the pressure of international competition). The course offers: an analysis of the major problems of globalisation, based on recent theory and empirical work; demonstrating that the theoretical developments of the international economy are always inspired by the need to understand the major changes in the world; an analysis of concrete issues of international economic policy.

PREREQUISITES	Not the case
COURSE GRADUATION REQUIREMENTS	Active and informed participation is crucial for graduation. Each student is required to write a dissertation on one of the scheduled subjects for this level.
CONTACT INFORMATION	Lect. Ana Maria Bârsan, Ph.D. secretariat@fspub.unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE
UNIVERSITY OF BUCHAREST

TITLE: INTRODUCTION TO INTERNATIONAL STUDIES AND GLOBAL GOVERNANCE (SP1413)

Faculty of Political Science – Department of Comparative Governance and European Studies

LANGUAGE(S)	English	LEVEL OF STUDY	Bachelor & Master
CREDIT POINTS	5 ECTS	LIMITED ATTENDANCE	20
THEMATIC AREA(S)	All CIVIS thematic areas	FIELD OF STUDY	International Relations and European Studies
PERIOD	14 Feb. – 31 May 2022	STRUCTURE	2h course + 1h seminar per week

DESCRIPTION:

The course introduces students to the possibilities and limits of the study of international relations, aiming to make them become aware of the different ways in which international affairs can be understood for both practical and theoretical purposes. Drawing upon the distinction between the explanatory and constitutive function of theories, it shows not only how one can use theories to analyse “given” events, but also how the determination and analysis of these very events is itself constructed by different theories. This should enhance students’ abilities to uncover implicit methodological and theoretical assumptions. Second, this awareness should be seen as a starting point for learning how to translate ideas, however incompletely, from one theory to another and then apply different analytical frameworks to specific case studies. Students are thus invited to think about how to question their own ideas, and to make them understandable and persuasive to those of their peers who are not sharing the same theoretical (and political) assumptions. In this respect, it can be seen as an exercise in practical diplomacy.

ATTENTION! This course is offered online only if the pandemic situation in Bucharest requires teaching to be conducted online for the whole semester.

PREREQUISITES	English level B2/C1 for comprehension
COURSE GRADUATION REQUIREMENTS	Same as UB students. Students will be informed by course coordinator.
CONTACT INFORMATION	Prof. Luciana Alexandra Ghica, Ph.D. luciana.ghica@unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE

UNIVERSITY OF BUCHAREST

TITLE: POLITICS IN AFGHANISTAN (SP1216)

Faculty of Political Science – Department of Public Policies, International Relations and Security Studies

LANGUAGE(S)	English	LEVEL OF STUDY	Bachelor
CREDIT POINTS	4 ECTS	LIMITED ATTENDANCE	100
THEMATIC AREA(S)	Society, Culture, Heritage	FIELD OF STUDY	Political Science
PERIOD	14 Feb. – 29 May 2022	STRUCTURE	3h per week

DESCRIPTION:

This course is organized using theoretical foundations as well as our lived experience as a direct observer. In this lesson, an attempt has been made to explain the different aspects of politics in Afghanistan. Questions about the political complexity in this country should be clarified to some extent. The scope of the debate is almost the last century in Afghanistan. Afghanistan has been a hotbed of insurgency and conflict in the last century, except for occasional outbreaks. There has been less political stability in this area. This geography is now itself a place of internal, regional, and international conflict. Terrorist groups have found a place for themselves in this land. The frustrated people of the world have gathered here and, due to their ideological thoughts, have created both a threat to Afghanistan and a threat to the world. It therefore requires that political science students, given the globalization of the threat, must understand academically the main source of the threat and, as a result, provide a roadmap for political agents. It seems that opening political ties in Afghanistan, even theoretically, can answer some serious questions.

So far, Afghanistan has experienced different policy models. The voice of totalitarianism and totalitarianism can be heard in the political arena of Afghanistan, as well as the voice of good constitutionalism and democratic and rule of law governments. There is both a Marxist left model and Western liberal democracy. In this country, both the experience of the Islamic government of the Mujaheddin has been done and the version of the Islamic Emirate has been implemented in this.

In short, political stability in this country has not been possible so far, neither with the reliance of internal forces nor with the consent of the international community. Neither liberal democracy nor the Islamic government has been the cure. Neither the left has advanced in that way, nor the regional and indigenous views. It is still a place of chaos and crisis in the region and the world.

PREREQUISITES	Not the case
COURSE GRADUATION REQUIREMENTS	Essay at the middle of the semester, active presence during the semester, final written exam
CONTACT INFORMATION	Prof. Zaker Hussain Ershad, Ph.D. secretariat@fspub.unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE

UNIVERSITY OF BUCHAREST

TITLE: PUBLIC COMMUNICATION AND RISK MANAGEMENT IN INTERNATIONAL ENVIRONMENTS: FUNDAMENTALS OF PROTOCOL, DIPLOMACY, NEGOTIATION, LOBBY AND ADVOCACY (SP2709)

Faculty of Political Science – Department of Comparative Governance and European Studies

LANGUAGE(S)	English	LEVEL OF STUDY	Bachelor & Master
CREDIT POINTS	6 ECTS	LIMITED ATTENDANCE	10
THEMATIC AREA(S)	All CIVIS thematic areas	FIELD OF STUDY	International Relations and European Studies
PERIOD	14 Feb. – 31 May 2022	STRUCTURE	Modular design (28h in total)

DESCRIPTION:

This course presents the major topics and instruments for the practice of international public communication, in different political, economic, social, and cultural contexts. The course introduces the classic debates and instruments for diplomacy but also addresses issues and practices that transcend the traditional limits of the work of a ministry of foreign affairs such as public diplomacy, digital diplomacy, nation branding, lobby, and advocacy. Pending upon their availability, guest speakers – practitioners in the field – may be invited to some of the classes.

ATTENTION! This course is offered online only if the pandemic situation in Bucharest requires teaching to be conducted online for the whole semester.

PREREQUISITES	English level B2/C1 for comprehension
COURSE GRADUATION REQUIREMENTS	Same as UB students. Students will be informed by course coordinator.
CONTACT INFORMATION	Prof. Luciana Alexandra Ghica, Ph.D. luciana.ghica@unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE
UNIVERSITY OF BUCHAREST

TITLE: REGIONAL IDENTITIES AND IDEOLOGICAL DEVELOPMENT IN EASTERN EUROPE (SP 2207)

Faculty of Political Science – Department of Political and Constitutional Theory and History

LANGUAGE(S)	English	LEVEL OF STUDY	Master
CREDIT POINTS	7 ECTS	LIMITED ATTENDANCE	100
THEMATIC AREA(S)	Society, Culture, Heritage	FIELD OF STUDY	Political Science
PERIOD	14 Feb. – 1 May 2022	STRUCTURE	3h per week

DESCRIPTION:

The course introduces the study of the historical patterns of political thought, social criticism and ideological advocacy in Russia, East-Central Europe, and the Balkans, against the patterns of long-term historical evolution displayed by the entire Eastern half of the European continent, and respectively by each of the three sub-regions mentioned above separately. The topic of the construction of Eastern Europe as an object of inquiry for the modern international comparative social sciences is treated in conjunction with the problems mentioned, together with relevant methodological departures in the field of the history of political thought and in that of contemporary East European studies. Both uniformities across the region and varieties among sub-regions and national units are targeted throughout the survey.

PREREQUISITES	Not the case
COURSE GRADUATION REQUIREMENTS	<p>Course: Coverage of the assigned bibliography and of the additional information taught. Oral exam (60%)</p> <p>Seminar: Coverage of the assigned bibliography. Essay based on the assigned and supplementary bibliography (40%)</p>
CONTACT INFORMATION	<p>Assoc. Prof. Victor Rizescu, Ph.D.</p> <p>secretariat@fspub.unibuc.ro</p>

CIVIS OPEN ONLINE COURSE CATALOGUE

UNIVERSITY OF BUCHAREST

TITLE: REVOLUTION AND SOCIAL CONFLICT IN HISTORY (SP1251)

Faculty of Political Science – Department of Political and Constitutional Theory and History

LANGUAGE(S)	English	LEVEL OF STUDY	Bachelor
CREDIT POINTS	5 ECTS	LIMITED ATTENDANCE	100
THEMATIC AREA(S)	Society, Culture, Heritage	FIELD OF STUDY	Political Science
PERIOD	14 Feb. – 1 May 2022	STRUCTURE	3h per week

DESCRIPTION:

The course introduces the topic of revolutionary breaks in world history, by placing it against the background of the larger topics of social stratification and social conflicts. The ambivalence of revolutionary change is underlined, by disclosing it as both a vehicle of emancipation and a source of political authoritarianism. In turn, revolutionary culture is approached by focusing, again, on its intrinsic double-sidedness.

PREREQUISITES	Not the case
COURSE GRADUATION REQUIREMENTS	<p>Course: Coverage of the assigned bibliography and of the additional information taught. Oral exam (60%)</p> <p>Seminar: Coverage of the assigned bibliography. Essay based on the assigned and supplementary bibliography (40%)</p>
CONTACT INFORMATION	<p>Assoc. Prof. Victor Rizescu, Ph.D.</p> <p>secretariat@fspub.unibuc.ro</p>

CIVIS OPEN ONLINE COURSE CATALOGUE

UNIVERSITY OF BUCHAREST

TITLE: SPORTS, POLITICS & SOCIETY (SPX07)

Faculty of Political Science – Department of Public Policies, International Relations and Security Studies

LANGUAGE(S)	English	LEVEL OF STUDY	Bachelor
CREDIT POINTS	4 ECTS	LIMITED ATTENDANCE	100
THEMATIC AREA(S)	Society, Culture, Heritage	FIELD OF STUDY	Political Science
PERIOD	14 Feb. – 27 May 2022	STRUCTURE	3h per week

DESCRIPTION:

Sports are a booming industry, employing a growing number of specialists, both domestically and globally. This course answers a need to contextualize sport in society. In Europe and the US, an increasing number of academic institutions (e.g., Sciences Po Paris) conduct political science research on sport and propose courses on sport and all its societal dimensions. In Romania, this is a pioneering attempt to connect with the global trend. The students shall be able to envisage public policy in the field of sports based on its value for society and not just as a self-centred, performance-oriented, state-run public policy. Stakeholders include local and central sports management, public health specialists, international relations, and diplomacy practitioners, press and business. Possible employers with whom graduates could value the knowledge acquired and the skills developed include civil service (local & national), advertising, media, and a range of business sectors (retail, insurance, physical activities & training).

PREREQUISITES	Not the case
COURSE GRADUATION REQUIREMENTS	<p>Course attendance – at least 7 courses</p> <p>Written test – take the compulsory written test in the sixth week of the semester</p> <p>Final exam – oral</p> <p>Seminar – active attendance of at least 10 seminars; participation in discussions and debates, depending on the number of enrolled students, an individual or team 15 minutes oral presentation on a topic chosen from a list given at the first seminar.</p>
CONTACT INFORMATION	<p>Robert Adam</p> <p>secretariat@fspub.unibuc.ro</p>

CIVIS OPEN ONLINE COURSE CATALOGUE
UNIVERSITY OF BUCHAREST

TITLE: STATISTICS (SP 1230)

Faculty of Political Science – Department of Public Policies, International Relations and Security Studies

LANGUAGE(S)	English	LEVEL OF STUDY	Bachelor
CREDIT POINTS	4 ECTS	LIMITED ATTENDANCE	100
THEMATIC AREA(S)	Not the case	FIELD OF STUDY	Political Analysis
PERIOD	14 Feb. – 20 May 2022	STRUCTURE	2h per week

DESCRIPTION:

Introduction to statistical analysis of public survey data with the general objective of explaining the concepts and methods used in political analysis. Understanding the meaning of statistical concepts and methods. Interpretation of statistical results and measurements. Practical applicability in electoral studies, voting behaviour, political culture and support for democracy based on data published by public polling institutions and European and international databases.

PREREQUISITES	Set Theory, Mathematics, Probabilities
COURSE GRADUATION REQUIREMENTS	Evaluation methods: Class interactive exercises; Individual seminar work; Individual project work: Individual Practical Assignment: students must choose a statistical method, a domain of study, data resources and comply with the project structure requirements. Evaluation criteria: Quality of theoretical knowledge; Capacity of synthesis and generalization; Capacity to use class models for individual work.
CONTACT INFORMATION	Assoc. Prof. Camelia Voinea, Ph.D. camelia.voinea@unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE
UNIVERSITY OF BUCHAREST

TITLE: THE EUROPEAN UNION AS INTERNATIONAL ACTOR: CONTEMPORARY GOVERNANCE PUZZLES (SP1461)

Faculty of Political Science – Department of Comparative Governance and European Studies

LANGUAGE(S)	English	LEVEL OF STUDY	Bachelor & Master
CREDIT POINTS	5 ECTS	LIMITED ATTENDANCE	25
THEMATIC AREA(S)	All CIVIS thematic areas	FIELD OF STUDY	International Relations and European Studies
PERIOD	14 Feb. – 22 Apr. 2022	STRUCTURE	2h course + 1h seminar per week

DESCRIPTION:

The course aims to familiarize the students with the major contemporary and emerging debates and governance puzzles related to the European Union's External Action, as well as with the major EU official documents and the latest scientific research on the topic.

ATTENTION! This course is offered online only if the pandemic situation in Bucharest requires teaching to be conducted online for the whole semester.

PREREQUISITES	English level B2/C1 for comprehension
COURSE GRADUATION REQUIREMENTS	Same as UB students. Students will be informed by course coordinator.
CONTACT INFORMATION	Prof. Luciana Alexandra Ghica, Ph.D. luciana.ghica@unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE

UNIVERSITY OF BUCHAREST

TITLE: QUANTITATIVE RESEARCH METHODS IN PSYCHOLOGY AND COGNITIVE SCIENCE

Faculty of Psychology and Educational Sciences – Department of Psychology and Cognitive Science

LANGUAGE(S)	English	LEVEL OF STUDY	Bachelor
CREDIT POINTS	5 ECTS	LIMITED ATTENDANCE	10
THEMATIC AREA(S)	Society, Culture, Heritage & Health	FIELD OF STUDY	Psychology
PERIOD	14 Feb. – 17 Jun. 2022	STRUCTURE	3h per week

DESCRIPTION:

The course is an introduction to quantitative research methods, for the social and life sciences. The course looks upon research methodology as a transversal competence, based on professional knowledge and critical thinking, mandatory for professional decisions in all the areas of applied psychology, and not only in research contexts.

The course is built around the following themes:

- methodology, critical thinking and evidence-based decision and practice in psychology
- reliability and validity of measurement
- sampling
- research questions and hypotheses
- research designs
- methods of data collection
- specific designs preferred in specific areas of psychology

PREREQUISITES	Not the case
COURSE GRADUATION REQUIREMENTS	Standardised exam
CONTACT INFORMATION	Prof. Dragoș Iliescu, Ph.D. dragos.iliescu@fpse.unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE

UNIVERSITY OF BUCHAREST

TITLE: PSYCHOLOGICAL ASSESSMENT

Faculty of Psychology and Educational Sciences – Department of Psychology and Cognitive Science

LANGUAGE(S)	English	LEVEL OF STUDY	Bachelor
CREDIT POINTS	5 ECTS	LIMITED ATTENDANCE	10
THEMATIC AREA(S)	Society, Culture, Heritage & Health	FIELD OF STUDY	Psychology
PERIOD	14 Feb. – 15 Jun. 2022	STRUCTURE	4h per week

DESCRIPTION:

The course is a Bachelor-level introduction in psychological assessment, focusing mainly on basic and foundational knowledge and skills in this domain. Psychological assessment is discussed as a technical, transversal competency for psychologists and other specialists in the social, behavioural and life sciences. The course follows the formal precepts set out by the International Test Commission (ITC), European Association for Psychological Assessment (EAPA) and the American Psychological Association (APA). Emphasis is put on knowledge (declarative and instrumental) and on relevant competencies.

We will focus specifically from a behavioural point of view on:

- professional and ethical standards in assessment;
- rights of test takers and other stakeholders in the assessment process;
- choosing and evaluating assessment instruments (tests);
- administering and scoring tests, and interpreting test results;
- reporting and feedback.

From a knowledge point of view, we will focus on the psychometric characteristics of reliability and validity.

PREREQUISITES	Not the case
COURSE GRADUATION REQUIREMENTS	Multiple choice test + Graded reaction paper
CONTACT INFORMATION	Prof. Dragoş Iliescu, Ph.D. dragos.iliescu@fpse.unibuc.ro

CIVIS OPEN ONLINE COURSE CATALOGUE

UNIVERSITY OF BUCHAREST

TITLE: STUDIES OF HAPPINESS AND QUALITY OF LIFE

Faculty of Sociology and Social Work – Department of Sociology

LANGUAGE(S)	English	LEVEL OF STUDY	Master
CREDIT POINTS	6 ECTS	LIMITED ATTENDANCE	10
THEMATIC AREA(S)	Society, Culture, Heritage	FIELD OF STUDY	Sociology
PERIOD	22 Feb. – 19 Apr. 2022	STRUCTURE	2h every second week

DESCRIPTION:

If we accept that quality of society refers to... societies, then quality of life is about persons, how they live and feel about their life. Quality of life is an interdisciplinary scientific domain gathering scholars from sociology, psychology, medicine, and other research fields. For sociologists, the purpose is to understand what to change in the living context to improve quality of life: urban/rural planning, public services, labour market, social values, etc.

Happiness is a lasting positive feeling, therefore, an outcome of quality of life. Although it sounds straightforward, there is no general agreement about this relationship. Some scholars use happiness as a measure of quality of life.

During this course, students will familiarize with concepts and prevalent theories from this research field. We will debate concepts like quality of life, quality of society, social quality, happiness, life satisfaction, or mental well-being. We will discuss theories like set-point theory of happiness, social comparison theory, hedonic treadmill theory, paradox(es) of happiness, etc.

So, quality of life and/or happiness are properties at individual level, and we try to explain their variation using simultaneously factors at individual level (micro-level), at some social unit level (meso/macro-level), and their cross-level interactions. We will discuss and apply the multilevel framework of analysis, an extended case of regression analysis as you know it from undergraduate statistics courses. Therefore, the course has a quantitative approach. For examples, we will use data from international research projects like European Quality of Life Survey, European Values Study, or World Values Survey.

PREREQUISITES	Undergraduate statistics course and basic understanding of linear regression analysis.
COURSE GRADUATION REQUIREMENTS	Quiz (60%) and research project (40%)
CONTACT INFORMATION	Assoc. Prof. Marian Vasile, Ph.D. marian.vasile@unibuc.ro