

Offered courses by Juhász Gyula Faculty of Education

Each course is 4 ECTS credits worth. Required number of credits per semester: 30 credits.

For detailed information on the course contents, please contact us.

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Health promotion, lifestyle, deviance

Module Aims

To introduce students into the basic concepts of sociology and health promotion, the socio-demographical determinants of health will be discussed and the sociological foundations and explanations of lifestyle and deviances will be analysed.

Module Subject

1. The concept of social stratification and social structure. The systems of social stratification. The theories of social stratification. The stratification of the present Hungarian society
2. Social inequality, equal opportunities. Theories of inequality.
3. Poverty. Deprivation. Disadvantaged position. Methods of surveying poverty. Reasons of poverty. Poverty in Hungary. Poverty categories.
4. Definition, components and channels of social mobility. Mobility research. Migration.
5. Sociological theories of deviance
6. Deviances in Hungary (alcoholism, drug abuse, crime, suicide)
7. Health and health promotion. 8. Socio-demographic determinants of health (age, gender, education, place of living, occupation etc.)
9. Geographical differences in health.
10. Health opportunities of minorities.

Introduction to Hungarian Culture

Module Aims

Course is aimed at familiarising incoming ERASMUS students with a variety of topics of Hungarian history and culture. It also allows them to compare aspects of Hungarian culture and lifestyle with those in their own respective countries.

Module Subject

Topics:

1. Hungary Quiz.
2. Emblems and symbols.
3. Geography of Hungary.
4. History of Hungary.



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5. Education system.
6. Inventions and inventors in Hungary.
7. Holidays in Hungary.
8. Hungarian cuisine.
9. Hungarian architecture.
10. Hungarian art and museums I.
11. Hungarian art and museums II.
12. Hungarian music.
13. Hungarian literature.
14. Course evaluation.

English language development with games and exercises

Module Aims

Communication plays a major role in achieving all of our goals. The course of English language development with games and exercises aims to give methodological help in foreign language learning and teaching through games. In this seminar students get to know several communication games that can be used in foreign language development, particularly in speech development. Students meet a lot of types of communication tasks and challenges in the seminar. These exercises increase not only language awareness and competencies, literacy, grammatical and pragmatical knowledge in a second language, but memory, listening, concentration, strategic thinking, team work and social skills as well.

The communication activities in the seminar are designed to help students become more prepared how to deal effectively with the many types of communications challenges in every day life. Each activity is designed to help participants better understand some facet of communications and gain expertise in that communication skill or competency. Every student has to teach at least three communication games during the seminar to the members of the seminar group.

Module Subject

1. Organizing the tasks and exercises of the semester
2. Introduction games
3. Learning about one another
4. Speech perception games
5. Games with vocals and sounds
6. Games with letters
7. Concentration games
8. Memory games with words and pictures
9. Nonverbal-verbal transition games
10. Activating mental vocabulary
11. Activities with the communication channels
12. Situation games



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13. Acting out a self-written story
14. Evaluating the semester

Environmental Problems in Historical Perspective

Module Aims

The main aims of the course are to achieve a thorough understanding and to provide a critical evaluation of the key concepts and theoretical approaches that have developed and are developing in the field of environmental history; to gain a comprehensive understanding of the fundamental themes in the environmental history of the region, subjected to a critical and comparative analysis; and to place Central, South-Eastern and Eastern Europe in a European and global context.

Module Subject

Environmental history is an interdisciplinary that analyzes interactions between human beings, societies and their physical environment. Environmental history was born in the 1960's, when ecological thinking appeared in the context of historical research.

In the first thematic unit of this course the conceptual and theoretical framework of environmental history is defined, followed by the introduction of the special research techniques of this interdisciplinary. One of the key notions of environmental history is the concept historical ecosystem, which can be defined as a subsistence system which exists in one locality, but the spatial dimension of an ecosystem is very flexible, and may range from a pond to the whole universe. In addition to the concept of an ecosystem, the concepts biological, social and cultural evolution, ecological crisis and transformation are also defined.

In the second thematic unit the great crises and transformations of historical ecosystems during the traditional and modern times are analyzed. A series of case-studies will be discussed from the period starting with the formation of traditional societies to the invention of agriculture. Classical examples of traditional ecosystems include the early civilizations of Mesopotamia, Egypt, China and the Indus civilization. After laying the foundations, more than half of the course time will be devoted to the discussion of the environmental history of the last two thousand years. We analyze the historical ecosystems of Europe, Asia and the American civilizations during the Middle Ages. The great civilizations of the world became connected after the geographical discoveries of the 15th century. This interconnectedness and the formation of a world system fundamentally reformed the economic and ecological power relations of the world. Civilizations began to use their plants, weeds and animals and unified their landscapes according to European standards. The next focal point of the course is the development, process and the consequences of the Industrial Revolution. The Industrial Revolution re-defined the role of mankind in the process of evolution. In the 20th century human activity reached the dimension of geological forces such as volcanoes, earthquakes and cyclones. The global scale of environmental changes, pollution and global warming has fundamentally influenced the evolutionary perspective of humankind.



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During the course we discuss topics in a synthetic manner and from a comparative historical point of view and special attention is devoted to the environmental and ecological problems of Central, South-Eastern and Eastern Europe.

Introduction to Data Mining and Knowledge Discovery

Module Aims

Data mining is a broad area that integrates techniques from several fields including machine learning, statistics, artificial intelligence, and database systems, for the analysis of large volumes of data. This interdisciplinary course gives a wide exposition of these techniques. The course is recommended for students in Informatics, Engineering, Natural sciences or Economics.

Module Subject

1. Introduction to Data Mining
2. Machine Learning and Classification
3. Input: Concepts, instances, attributes
4. Output: Knowledge Representation
5. Classification: Basic methods and decision trees
6. Evaluation and Credibility
7. Data Preparation for Knowledge Discovery
8. Clustering
9. Associations
10. Visualization
11. Graph mining and social network analysis
12. Mining Object, Spatial, Multimedia, Text and Web Data
13. Applications and Trends in Data Mining
14. Data Mining Software Tools

Art and methodology of Zoltán Kodály

Module Aims

The course introduces the life and work of Zoltán Kodály, a famous Hungarian composer of the 20th century. In particular we will discuss the important events of his life, talk about the folk songs collected by him and also, the course will cover his compositions and their musical genres and background. Furthermore, his approach the music education principles in practice, methodology.

Module Subject

Themes:



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- 1-2. The life of Zoltán Kodály, and Chamber music
3. Methodology of Kodály in the school, The 333 Reading exercises
4. Psalmus Hungaricus and singing practice
5. The Role of Singing and Folk-Song
- 6-7. Children's Choruses and singing practice
- 8-9. Mixed Choruses and singing practice
- 10-11. Piano pieces by Kodály
- 12-13. Stage works by Kodály
14. Hány János Suite

Movie/Motion picture Design 2.

Module Aims

The aim of the course is to learn the basic steps of motion picture design, both theoretical and practical elements, such as: usage of the camcorder and film editing and compositing software. Students learn the basic terms of motion picture, learn to use the camcorder and basic principles of animation. Another goal is the acquisition of technical implementation. The course also aims to improve the intuition and contemporary creative design awareness and also the sensitivity and cooperation of the individual and group studio design work.

Module Subject

Completing two tasks: creating a video installation and 2D digital animation with After Effects software.

Fundamentals of Mathematics

Module Aims

The primary goal of this course is to extend and to deepen our students' knowledge about different fields of mathematics. We will familiarise students with new basic notions, basic theorems, and principles. This mathematical material gives a very good foundation for studying other mathematical subjects in future years.

Module Subject

1. Sets, subsets, proper subsets, set operations. Venn diagram.
2. Correspondences, functions, compositions of functions. Injective, surjective, inverse function.
3. Mathematical induction. Peano axioms. Recursive definition. Fibonacci numbers.
4. Division. The basic properties of divisibility of integers. Numeral systems.
5. Real, rational and irrational numbers, fractions. Complex numbers. Polynomials.
6. The pigeon-hole principle, variation, permutation, combination. The binomial theorem.



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Football

Module Aims

Football is the most popular sport in the world. By using the methodology of football, the course aims to introduce students into theory and practice as well. Students will gain knowledge about the history of football, and will learn about the teaching of football from primary level.

Module Subject

Rules of football. Training of football with different age groups. Technical education from basic to the top level. Headings, ball controls, feinting tricks, tacklings, sorts of kicks, goalkeeper technical, dribblings, courver program. Conditional training in football. Game systems in football.

Hungarian Tourism

Module Aims

The course aims to present tourism features of Hungary.

Module Subject

Hungary situated in the Carpatian Basin,
Hungarian border and border stations,
Hungary's nature (relief, hydrography, climate) and national parks,
Cultural sights in 9 Hungarian tourism regions.
Architectural styles in Hungary,
World Heritage sites in Hungary
Spa-tourism, events,
Hungarian minorities' cultures,
Hungarian gastronomy,
Tourism of Szeged,
Dark tourism and bunker tourism of Hungary, etc.

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Juhász Gyula Pedagógusképző Kar