# CONTENT

**COURSE INFORMATION LETTER**

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** CJP/ PFAJAKA/07 | **Course name:** Academic English |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** combined, present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:**

**Course level:** I., II., N

**Prerequisities:**

**Conditions for course completion:**
Combined method of teaching (classroom/distance)
Active classroom participation, assignments handed in on time, 2 absences tolerated
1 test (10th week), no retake. (in classroom, in case of distance learning due to worsened epidemiological situation – online)
Presentation on chosen topic (in case of distance learning - online thorugh MS Teams)
Final evaluation- average assessment of test (40%), essay (30%) and presentation (30%).
Grading scale: A 93-100%, B 86-92%, C 79-85%, D 72-78%, E 65-71%, FX 64% and less

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**
Seal B.: Academic Encounters, CUP, 2002
T. Armer :Cambridge English for Scientists, CUP 2011
M. McCarthy M., O´Dell F. - Academic Vocabulary in Use, CUP 2008
Zemach, D.E, Rumisek, L.A: Academic Writing, Macmillan 2005
Olsen, A. : Active Vocabulary, Pearson, 2013
www.bbclearningenglish.com
Cambridge Academic Content Dictionary, CUP, 2009

**Course language:**
English language, level B2 according to CEFR.

**Notes:**

**Course assessment**
Total number of assessed students: 380

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 33.68 | 22.11 | 15.53 | 10.0 | 6.58 | 12.11 |

**Provides:** Mgr. Viktória Mária Slovenská

**Date of last modification:** 17.09.2020

| **Approved:** |
| --- |

**COURSE INFORMATION LETTER**

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/ALGa/10 | **Course name:** Algebra I |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 3 / 3 **Per study period:** 42 / 42
**Course method:** present

**Number of ECTS credits:** 7

**Recommended semester/trimester of the course:** 1.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
According to the results from the semester and in view of the results of the written and oral final exam..

**Learning outcomes:**
To obtain basic knowledge from number theory concerning divisibility and from linear algebra concerning systems of linear equations. To be able to apply it in concrete excercises.

**Brief outline of the course:**
Divisibility in Z. Fields. Systems of linear equations, Gauss elimination. Maps, permutations. Computing with matrices. Determinants, Cramer rule.

**Recommended literature:**
T.S Blyth, E.F. Robertson: Basic linear algebra, Springer Verlag, 2001.
K. Jänich: Linear algebra, Springer Verlag, 1991.

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 1279

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 11.81 | 11.65 | 19.0 | 17.9 | 28.3 | 11.34 |

**Provides:** prof. RNDr. Danica Studenovská, CSc., RNDr. Igor Fabrici, Dr. rer. nat., RNDr. Lucia Janičková, PhD., RNDr. Simona Rindošová, RNDr. Ivana Varga

**Date of last modification:** 31.01.2019

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/ ALG2b/10 | **Course name:** Algebra II |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 4 / 2 **Per study period:** 56 / 28
**Course method:** present

**Number of ECTS credits:** 7

**Recommended semester/trimester of the course:** 2.

**Course level:** I.

**Prerequisities:** ÚMV/ALGa/10

**Conditions for course completion:**
According to tests and to the exam.

**Learning outcomes:**
To obtain basic knowledge on matrices, linear spaces, linear transformations and polynomials and their roots over a field; to be able to apply the theory in concrete excercises.

**Brief outline of the course:**
Linear spaces, bases. Rank of a matrix. Systems of homogeneous linear equations. Linear transformations.
Ring, fields. Polynomials over a field. Factorization into irreducible factors, roots. Roots of complex numbers. Cubic equations. Polynomials with several unknowns, symmetric polynomials.

**Recommended literature:**
A. Kurosh: Higher Algebra, Mir Publishers, 1975.

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 193

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 20.73 | 18.13 | 15.54 | 15.03 | 26.42 | 4.15 |

**Provides:** prof. RNDr. Danica Studenovská, CSc., doc. RNDr. Matúš Harminc, CSc., RNDr. Lucia Janičková, PhD.

**Date of last modification:** 31.01.2019

**Approved:**

**COURSE INFORMATION LETTER**

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/ ATC/10 | **Course name:** Algebra and number theory |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 1 **Per study period:** 28 / 14
**Course method:** present

**Number of ECTS credits:** 4

**Recommended semester/trimester of the course:** 4.

**Course level:** I.

**Prerequisities:** ÚMV/ALG2b/10

**Conditions for course completion:**
It is based on the results of written checks carried out during the semester. Final evaluation is based on the results of written checks carried out during the semester, of test, written and oral exam.

**Learning outcomes:**
Obtain basic knowledge about groups and from the elementary number theory.

**Brief outline of the course:**
Groups, subgroups, quotient groups, homomorphism theorems for groups, selected topics of the number theory.

**Recommended literature:**
G.Birkoff, S.Mac Lane: A Survey of Modern Algebra, New York 1965
I.R. Shafarevich: Basic Notions of Algebra, Springer, 2005

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 176

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 14.2 | 18.75 | 27.84 | 22.16 | 13.64 | 3.41 |

**Provides:** doc. RNDr. Matúš Harminc, CSc.

**Date of last modification:** 03.05.2015

**Approved:**

## COURSE INFORMATION LETTER

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** KPE/ ALP/06 | **Course name:** Alternative Education |
| **Course type, scope and the method:**<br>**Course type:** Practice<br>**Recommended course-load (hours):**<br>**Per week:** 2 **Per study period:** 28<br>**Course method:** present | |
| **Number of ECTS credits:** 2 | |
| **Recommended semester/trimester of the course:** 4. | |
| **Course level:** I. | |
| **Prerequisities:** | |
| **Conditions for course completion:** | |
| **Learning outcomes:** | |
| **Brief outline of the course:** | |
| **Recommended literature:** | |
| **Course language:** | |
| **Notes:** | |

**Course assessment**
Total number of assessed students: 242

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 62.81 | 31.4 | 3.31 | 0.83 | 0.41 | 1.24 |

| | |
|---|---|
| **Provides:** Mgr. Katarína Petríková, PhD. | |
| **Date of last modification:** 14.06.2021 | |
| **Approved:** | |

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/APM/19 | **Course name:** Applications of mathematics |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 6.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Presentation on the chosen topic during the seminar.

**Learning outcomes:**
Students get an overview of applications of mathematics and its tools in various areas of human activity.

**Brief outline of the course:**
TBA...

**Recommended literature:**

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 4

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 75.0 | 25.0 | 0.0 | 0.0 | 0.0 | 0.0 |

**Provides:** RNDr. Andrej Gajdoš, PhD., RNDr. Martina Hančová, PhD., Mgr. Jozef Kiseľák, PhD., RNDr. Daniel Klein, PhD., prof. RNDr. Tomáš Madaras, PhD.

**Date of last modification:** 10.02.2021

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚINF/ AFJ1a/15 | **Course name:** Automata and formal languages |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 1 **Per study period:** 28 / 14
**Course method:** present

**Number of ECTS credits:** 4

**Recommended semester/trimester of the course:**

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Oral examination.

**Learning outcomes:**
To provide theoretical background for studying computer science in general, by giving the necessary knowledge in theory of automata.

**Brief outline of the course:**
1: Chomsky hierarchy of grammars: alphabet, symbol (letter, character), transitive closure, word (string), empty word (empty string), length of a string, concatenation, language, grammar, nonterminal symbol, terminal symbol, initial nonterminal (initial symbol), grammar rule, derivation step, language generated by a grammar, Chomsky hierarchy of grammars - phrase-structure, context sensitive, context free, regular
2: Deterministic finite state automata: finite state automaton, state, input symbol, output symbol, initial state, transition function, output function, examples of automata and their graphic representation, generalized transition and output functions and their basic properties
3: Reduction of automata I: equivalent automata, minimal (optimal) automaton, reachable state, properties of reachable states, elimination of unreachable states
4: Reduction of automata II: equivalent states, k-equivalent states, properties of equivalence and k-equivalence, relation between k-equivalence and (k+1)-equivalence, partitioning the state set into equivalence classes, elimination of equivalent states
5: Reduction of automata III: proof of correctness, unambiguity, and optimality of reduced automaton, testing equivalence of two automata
6: Deterministic finite state acceptors: basic definitions, language recognized by a finite state acceptor, common properties of acceptors and automata with an output, minimizing a finite state acceptor
7: Operations with regular languages: complement, intersection, union, difference, symmetric difference, testing of emptiness, inclusion, equality, and disjointness for regular languages
8: Nondeterministic finite state acceptors: definition, transition function, language recognized by a nondeterministic acceptor, elimination of nondeterminism
9: epsilon-acceptors: definition, properties, elimination of epsilon-transitions

10: Regular grammars: regular grammar, extended regular grammar, transformation of acceptor to a regular grammar, transformation of extended regular grammar to an epsilon-acceptor
11: Regular expressions I: basic properties, transformation of regular expression to an epsilon-acceptor
12: Regular expressions II: regular equations, valid algebraic manipulations with regular expressions, solving an equation with a single unknown variable, solving a system of regular equations, transformation of acceptor to a regular expression
13: Another constructions: review of transformations among various representations, an example of a direct transformation of a grammar to a regular expression, closure of the class of regular languages under another language operations – concatenation and Kleene star, mirror image
14: Another operations: homomorphism and inverse homomorphism, a context-free language that is not regular

**Recommended literature:**

J.E. Hopcroft, R.Motwani, J.D. Ullman: Introduction to automata theory, languages, and computation, Addison-Wesley, 2001.
J. Shallit: A second course in formal languages and automata theory, Cambridge University press, 2009.
M. Sipser: Introduction to the theory of computation, Thomson Course Technology, 2006.

**Course language:**

**Notes:**

**Course assessment**

Total number of assessed students: 850

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 25.65 | 18.24 | 23.88 | 17.76 | 9.65 | 4.82 |

**Provides:** Mgr. Alexander Szabari, PhD., prof. RNDr. Viliam Geffert, DrSc., RNDr. Zuzana Bednárová, PhD.

**Date of last modification:** 17.08.2021

**Approved:**

## COURSE INFORMATION LETTER

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|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** ÚMV/ BKP2/14 | **Course name:** Bachelor project |
| **Course type, scope and the method:**<br>**Course type:** Practice<br>**Recommended course-load (hours):**<br>**Per week:** 1 **Per study period:** 14<br>**Course method:** present | |
| **Number of ECTS credits:** 2 | |
| **Recommended semester/trimester of the course:** 5. | |
| **Course level:** I. | |
| **Prerequisities:** | |
| **Conditions for course completion:**<br>To prepare and present a contribution related to thesis and its topic. | |
| **Learning outcomes:**<br>To get students familiar with basic knowledge on the form and content of thesis and thesis presentation as well as with the support for its realisation. | |
| **Brief outline of the course:**<br>Necessary elements and formal aspects of a thesis. WYSIWYG editors, LaTeX, drawing programs. Presentation software, Microsoft PowerPoint and its clones, Beamer. Suggestions for presentation and contribution making. | |
| **Recommended literature:**<br>electronic information sources | |
| **Course language:**<br>Slovak or English | |
| **Notes:** | |
| **Course assessment**<br>Total number of assessed students: 135 | |
| abs | n |
| 100.0 | 0.0 |
| **Provides:** doc. RNDr. Dušan Šveda, CSc. | |
| **Date of last modification:** 03.05.2015 | |
| **Approved:** | |

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/ BPO/14 | **Course name:** Bachelor thesis and its defence |
|---|---|

**Course type, scope and the method:**
**Course type:**
**Recommended course-load (hours):**
**Per week: Per study period:**
**Course method:** present

**Number of ECTS credits:** 4

**Recommended semester/trimester of the course:**

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Acquiring the required number of credits in the structure defined by the study plan.

**Learning outcomes:**
Evaluation of student‘s competences with respect to the profile of the graduate.

**Brief outline of the course:**
Presentation of results of the bachelor thesis, answering the questions of the thesis supervisor and answering the questions of members of evaluation commitee.

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 81

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 67.9 | 20.99 | 6.17 | 3.7 | 1.23 | 0.0 |

**Provides:**

**Date of last modification:** 03.05.2015

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** KPPaPZ/ BPaOBP/15 | **Course name:** Bachelor´s Thesis Defense |
|---|---|

**Course type, scope and the method:**
**Course type:**
**Recommended course-load (hours):**
**Per week: Per study period:**
**Course method:** present

**Number of ECTS credits:** 4

**Recommended semester/trimester of the course:**

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Obtaining the required number of credits in the prescribed composition by the study plan.

**Learning outcomes:**
Verification of acquired competencies of the student in accordance with the profile of the graduate.

**Brief outline of the course:**
Presentation of the results of the bachelor's thesis, answering the opponent's questions and answering the questions of the members of the examination commission.

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 39

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 25.64 | 20.51 | 23.08 | 20.51 | 10.26 | 0.0 |

**Provides:**

**Date of last modification:** 17.02.2021

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** KPPaPZ/PSBc/06 | **Course name:** Bachelor´s Thesis Seminar |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 5.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Course requirements:
1. active participation and completion of assignments
2. submission of the research project of the thesis and the theoretical part of the thesis (in the form and scope as required by the thesis supervisor) within the assigned deadline.
Up-to-date information concerning the subject for the given academic year can be found on the electronic board of the subject in the Academic information system of the UPJŠ.
Combined method.

**Learning outcomes:**
The aim of the course is to provide students with information about the implementation of a research project and the rules of writing the final thesis.

**Brief outline of the course:**
1. Work procedure in creating a research project2. Compilation of an individual research schedule (research planning) 3. Writing a bachelor's thesis (formal and content page) 4. Presentation of research results (final thesis)

**Recommended literature:**
Katuščák, D. Ako písať záverečné a kvalifikačné práce.Enigma, Nitra, 2004.
Meško, D., Katuščák, D. a kol.: Akademická príručka. Martin: Osveta 2005.

**Course language:**

**Notes:**
Changes and current information specifying the content and form of teaching are published on the electronic bulletin board of the subject in the AIS system.

**Course assessment**
Total number of assessed students: 99

| abs | n |
|---|---|
| 100.0 | 0.0 |

**Provides:** Mgr. Jozef Benka, PhD. et PhD.

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|---|
| **Date of last modification:** 02.07.2021 |
| **Approved:** |

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚBEV/ ZNFYZM/15 | **Course name:** Basics of Neurophysiology |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 3

**Recommended semester/trimester of the course:** 3.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 72

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 18.06 | 33.33 | 19.44 | 11.11 | 16.67 | 1.39 |

**Provides:** RNDr. Ján Gálik, CSc.

**Date of last modification:** 31.03.2021

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚBEV/ BDD/05 | **Course name:** Biology of Children and Adolescents |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 0 **Per study period:** 28 / 0
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 4., 6.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Written test

**Learning outcomes:**
The aim of the subject is to gain the particular level of knowledge about human body and its development. It is neccessary for the understanding of specific biological characteristics of children and adolescents linked to development.

**Brief outline of the course:**
Human ontogenesis. Postnatal development. Age specific features of skeletal and muscalar, circulatory, respiratory, gastrointestinal and urinary systems. Reproductive system. Endocrine system. Nervous system. Age specifics of selected diseases and drug dependence arise. Human population and environment.

**Recommended literature:**
Drobný I., Drobná M.: Biológia dieťaťa pre špeciálnych pedagógov I. a II. Bratislava, PdF UK, 2000
Lipková V.: Somatický a fyziologický vývoj dieťaťa. Osveta Bratislava, 1980
Malá H., Klementa J.: Biológia detí a dorastu. Bratislava, SPN, 1989

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 1551

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 32.82 | 23.08 | 17.15 | 17.15 | 9.28 | 0.52 |

**Provides:** doc. RNDr. Monika Kassayová, CSc.

**Date of last modification:** 03.05.2015

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/ ZBR/14 | **Course name:** Bridge fundamentals |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 5.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Active participation on exercises.

**Learning outcomes:**
A student gets acquainted with fundamentals of the contract bridge, develops his/her logical thinking and consolidates his/her habits of positive social behaviour.

**Brief outline of the course:**
Bridge rules.
Principles of the bidding system Standard American.
Basic techniques of declarer's play.
Basic techniques of the defence.
Lead conventions, signals.
Common bidding conventions.
Selected advanced techniques of the card play.
Partnership cooperation in the contract bridge.
Bridge ethics.

**Recommended literature:**
T. Menyhért: Kurz bridžu 2013, http://new.bridgekosice.sk/kurz-bridzu-2013/
R. Pavlicek: Learn To Play Bridge!, http://www.rpbridge.net/1a00.htm
ACBL SAYC System Booklet, http://ebookbrowsee.net/acbl-sayc-pdf-d201415187

**Course language:**
Slovak or English

**Notes:**
Minimum number of participants is 4.

**Course assessment**
Total number of assessed students: 25

| abs | n |
|---|---|
| 96.0 | 4.0 |

| |
|---|
| **Provides:** doc. RNDr. Miroslav Ploščica, CSc., prof. RNDr. Mirko Horňák, CSc. |
| **Date of last modification:** 03.05.2015 |
| **Approved:** |

## COURSE INFORMATION LETTER

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|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** KPS/ PDV/07 | **Course name:** Child Development Disorders |

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 2 **Per study period:** 28 / 28
**Course method:** present

**Number of ECTS credits:** 6

**Recommended semester/trimester of the course:** 2., 4.

**Course level:** I.

**Prerequisities:** KPS/VP1/05 and leboKPPaPZ/VPMOS/16

**Conditions for course completion:**

**Learning outcomes:**
The aim of the course is to provide the basics of psychopathology and pathopsychology of child development. The absolvent of the course has theoretical knowledge about childhood developmental disorders, which can be used in practice in the context of knowledge from other subjects. In addition, the absolvent of the course also has an overview of current knowledge based on the latest research and evidence-based methods.
The graduate of this course will acquire the following competencies:
-distinguish mental disorders of children and adolescents,
- perceive the differential-diagnosis specifics of psychopathology in children,
- be familiar with the specifics of mental development in children and adolescents,
- take into account the specifics of the differential diagnosis of psychopathology in children depending on age.

**Brief outline of the course:**
The concept of health and disease. The concept of optimal development. Pathogenic factors of development. Classification of developmental disorders according to ICD. Psychology sick and disabled child. Disorders of speech and language. Specific learning disabilities. Mental retardation and pervasive disorder. Emotional and behavioral disorders in childhood and adolescence. Social development problems. Eating disorders. Problems with alcohol and substance abuse. Disorders of psychosexual development. Children at risk environment, abused and neglected children. School maturity and its disorders. Helping professions and psychological assistance to children with disorders of psychological development.

**Recommended literature:**
M. Lewis & K.D.Rudolph (Eds.), Handbook of developmental psychopathology (3rd ed). New York,
NY: Plenum Press. ISBN 978-1-4614-9608-3

**Course language:**

**Notes:**

| **Course assessment**<br>Total number of assessed students: 695 | | | | | |
|---|---|---|---|---|---|
| A | B | C | D | E | FX |
| 18.56 | 27.34 | 29.06 | 16.55 | 4.46 | 4.03 |
| **Provides:** Mgr. Jana Schrötter, PhD. | | | | | |
| **Date of last modification:** 26.08.2021 | | | | | |
| **Approved:** | | | | | |

## COURSE INFORMATION LETTER

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|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** KOP/ OPaPDV/14 | **Course name:** Civil Law and Intellectual Property Rights |
| **Course type, scope and the method:**<br>**Course type:** Lecture<br>**Recommended course-load (hours):**<br>**Per week:** 2 **Per study period:** 28<br>**Course method:** present | |
| **Number of ECTS credits:** 4 | |
| **Recommended semester/trimester of the course:** 3., 5. | |
| **Course level:** I., II., N | |
| **Prerequisities:** | |
| **Conditions for course completion:** | |
| **Learning outcomes:** | |
| **Brief outline of the course:** | |
| **Recommended literature:** | |
| **Course language:** | |
| **Notes:** | |

**Course assessment**

Total number of assessed students: 103

| abs | n |
|---|---|
| 94.17 | 5.83 |

| |
|---|
| **Provides:** doc. JUDr. Renáta Bačárová, PhD., LL.M., prof. JUDr. Peter Vojčík, CSc. |
| **Date of last modification:** 16.12.2020 |
| **Approved:** |

**COURSE INFORMATION LETTER**

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|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** KPS/ KOGPS/11 | **Course name:** Cognitive Psychology |

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 3 / 2 **Per study period:** 42 / 28
**Course method:** present

**Number of ECTS credits:** 7

**Recommended semester/trimester of the course:** 2.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
During the semester, the student is required to complete three tasks:
A) Written examination (max. number of points is 15, the required number of points is 8). The date is by default scheduled after a consultation week.
B) Presentation of a seminar work on a chosen topic (max. number of points is 15, the required number of points is 8).
C) Active participation during the seminar (max. number of points is 10, the required number is 1).
To proceed to the final exam, it is necessary to obtain more than half of the total points that can be gained during the semester (note that a minimum number of points for activities A, B and C should be fulfilled as listed above).
The final exam is in a written form. A student can get a maximum of 60 points. To pass, a student needs to obtain 31 and more points (note that credits will not be awarded to a student who gets less than 31 points from the final exam and whose sum of points obtained during the semester and the final exam is less than 51).
The final mark is created by adding the points that the student gained during the semester and the final exam. At least 90 points must be obtained to obtain an "A" rating, 80-89 points to obtain an "B" rating, 70-79 points to obtain a "C" rating, 60-69 points to obtain a "D" rating and 51 to obtain an "E" rating 51 -59 points.

**Learning outcomes:**
The main goal of the course is to acquaint students with cognitive psychology, as a scientific discipline that deals with the study of human cognition, and to provide them with the current knowledge related to human cognition. In addition, the course also emphasizes the ability to properly understand this knowledge and apply it. For this purpose, the course provides not only an overview of the main theories of selected cognitive processes and the broader context of the discipline but also practical illustrations and systematic encouragement of critical thinking. The main goal of seminars is to train the ability to use and adequately present the acquired knowledge, connect this knowledge to other related areas, think about it independently, discuss it critically and, last but not least, to flexiblty and cretively solve various related model activities.

**Brief outline of the course:**

History of cognitive psychology. Research of cognition in the period of psychology as a scientific discipline. The emergence of cognitive psychology.
Cognition - general characteristics. Structure of cognitive processes. Paradigms in cognitive psychology: S-R scheme, information processing model, evolutionary approach, connectionist approach. Stimuli and mental representations.
Perception - sensory processes. Perception - organization of the perceptual field, object recognition, specific types of perception.
Attention - selection and division of attention. Theories of attention. Automatic and controlled processes and attention.
Memory - models, types of memory, memory processes.
Learning - classical conditioning, operant conditioning and other types of learning.
Mental representations and ideas. Thinking – concepts and operations. Language and thinking. Thinking and speech.
Judgment, decision making, problem solving, creativity. Current research of cognitive processes.

**Recommended literature:**

Literature:
Plháková, A.: Učebnice obecné psychologie. Academia, 2007.
Sternberg, R.J.: Kognitivní psychologie. Portál, 2002.
Recommended:
Eysenck, M.W., Keane, M.T. Kognitivní psychologie. Praha, Academia, 2008.
Noel-Hoeksema, S a Frederickson W. : Psychologie Atkinsonovej a Hilgarda. Portál, 2012.
Ruisel. I.: Inteligencia a myslenie. IKAR, 2004.

**Course language:**

**Notes:**

Lectures and activities are adapted to both, physically present and distance form of education. For further information and current changes in the form of teaching (distance vs. full-time), please see electronic noticeboard.

**Course assessment**

Total number of assessed students: 1241

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 13.38 | 22.24 | 26.19 | 20.63 | 5.88 | 11.68 |

**Provides:** prof. PhDr. Ladislav Lovaš, CSc., Mgr. Pavol Kačmár, PhD., Mgr. Ondrej Kalina, PhD.

**Date of last modification:** 22.03.2021

**Approved:**

**COURSE INFORMATION LETTER**

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** KPPaPZ/ECo-C4/14 | **Course name:** Communication ECo-C4 |

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** combined, present

**Number of ECTS credits:** 4

**Recommended semester/trimester of the course:** 4., 6.

**Course level:** I., N

**Prerequisities:**

**Conditions for course completion:**
1. Active participation in lessons (absence is allowed max. 90 min.), 2. Realization of assignments according to the teacher's instructions.
Detailed information in the electronic board of the course in AIS2. The teaching of the subject will be realized by a combined method.

**Learning outcomes:**
The student understands theoretical information about the basics of verbal and nonverbal communication, rhetoric and methods of visualization and interprets them adequately. Student is able to use the acquired communication skills in practice, can apply effective principles of communication with others, is able to anticipate and thus prevent possible misunderstandings, which will contribute to the development of his social and professional skills.

**Brief outline of the course:**
Basics of communication (Transmitter-receiver principle, "What is said is not equal to what is heard", "Internal dialogue", The concept of communication)
Active listening (The most important criteria for active listening)
Misunderstandings (How Misunderstandings Arise, How to Avoid Misunderstandings)
Body language (What is body language, Active / passive body language, Dress psychology)
Signs of Physical Expression, Disadvantages of Fake Physical Expression, Difference Between Active and Passive Body Expression
Personality development (Voices in us, "child in me" - identification of one's own personality)
Rhetoric (History of rhetoric, What is rhetoric, Vigor, alertness - assumptions, techniques, prompt reactions)
Visualization - optical display (Classic media - whiteboard, magnetic whiteboard, bulletin board, flipchart, Based on computer technology - PC + Beamer)

**Recommended literature:**
VÝROST, Jozef - SLAMĚNÍK, Ivan. Sociální psychologie. 2., přepr. a rozš. vyd. Praha : GRADA, 2008. 408 s.
VÝROST, Jozef - SLAMĚNÍK, Ivan. Aplikovaná sociální psychologie I : Člověk a sociální instituce. 1. vyd. Praha : Portál, 1998. 384 s. ISBN 80-7178-269-6.

KOMÁRKOVÁ, Růžena - SLAMĚNÍK, Ivan - VÝROST, Jozef. Aplikovaná sociální psychologie III : Sociálněpsychologický výcvik. 1. vyd. Praha : Grada Publishing, 2001. 224 s.
VÝROST, Jozef - SLAMĚNÍK, Ivan. Aplikovaná sociální psychologie II. 1. vyd. Praha : Grada Publishing, 2001. 260 s.

**Course language:**
slovak

**Notes:**
After passing the certification exams from all 4 modules (Teamwork, Selfmarketing, Conflict Management, Communication) the student will receive an ECo-C card and an ECo-C certificate.

**Course assessment**
Total number of assessed students: 50

| abs | n |
|---|---|
| 74.0 | 26.0 |

**Provides:** Mgr. Lucia Barbierik, PhD.

**Date of last modification:** 25.06.2021

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** CJP/ PFAJKKA/07 | **Course name:** Communicative Competence in English |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** combined, present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:**

**Course level:** I., II., N

**Prerequisities:**

**Conditions for course completion:**
Active participation in class and completed homework assignments. Students are allowed to miss two classes at the most.
Online teaching (MS Teams), in case of an improved epidemiological situation = on-site teaching.
2 credit tests (presumably in weeks 6/7 and 12/13) and a short oral presentation in English.
The tests will be taken online (MS Teams) during online teaching and in class in case of on-site classes.
The presentation will be sent to the course instructor as a video recording.
Final evaluation consists of the scores obtained for the 2 tests (70%) and the presentation (30%).
Final grade will be calculated as follows: A 93-100 %, B 86-92%, C 79-85%, D 72-78%, E 65-71%, FX 64 % and less.

**Learning outcomes:**
Uplatnenie a aktívne používanie svojich teoretických vedomostí v praktických komunikačných situáciách. Zdokonalenie jazykových vedomostí a zručností študenta, rečovej, pragmatickej a vecnej kompetencie, predovšetkým zlepšujú komunikáciu, schopnosťprijímať a formulovať výpovede, efektívne vyjadrovať svoje myšlienky ako aj orientovať sa v obsahovom pláne výpovede. Precvičovanie rečových intencií kontaktných (napr. pozdravy, oslovenia, pozvanie, oslovenie), informatívnych (napr. získavanie a podávanie informácií, vyjadrenie priestorových a časových vzťahov), regulačných (napr. prosba, poďakovanie, zákaz, pochvala, súhlas, nesúhlas) a hodnotiacich (napr. vyjadrenie vlastného názoru, stanoviska, želania, emócií). Výsledkom budovania praktickej jazykovej kompetencie majú byť vedomosti a zručnosti zodpovedajúce požiadavkám a kritériám dokumentu Spoločný európsky referenčný rámec pre vyučovanie jazykov.

**Brief outline of the course:**
Rodina, jej formy a problémy
Vyjadrovanie pocitov a dojmov
Dom, bývanie a budúcnosť
Formy a dialekty v anglickom jazyku
Život v meste a na vidieku
Kolokácie a idiomy, zaužívané slovné spojenia
Prázdniny a sviatky vo svete

Životné prostredie a ekológia
Výnimky zo slovosledu
Frázové slovesá a ich použitie
Charakteristiky neformálneho diškurzu

**Recommended literature:**

www.bbclearningenglish.com
McCarthy M., O'Dell F.: English Vocabulary in Use, Upper-Intermediate. CUP, 1994.
Misztal M.: Thematic Vocabulary. SPN, 1998.
Fictumova J., Ceccarelli J., Long T.: Angličtina, konverzace pro pokročilé. Barrister and Principal, 2008.
Peters S., Gráf T.: Time to practise. Polyglot, 2007.
Jones L.: Communicative Grammar Practice. CUP, 1985.
Alexander L.G.: Longman English Grammar. Longman, 1988.

**Course language:**
English language, B2 level according to CEFR

**Notes:**

**Course assessment**
Total number of assessed students: 260

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 40.38 | 22.31 | 18.85 | 8.85 | 6.54 | 3.08 |

**Provides:** Mgr. Barbara Mitríková, Mgr. Zuzana Naďová

**Date of last modification:** 11.02.2021

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** CJP/ PFAJGA/07 | **Course name:** Communicative Grammar in English |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** combined, present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:**

**Course level:** I., II., N

**Prerequisities:**

**Conditions for course completion:**
Active classroom participation (max. 2x90 min. absences tolerated). 2 test (5th/6th and 12/13th week), no retake. Final evaluation- average assessment of tests. Grading scale: A 93-100%, B 86-92%, C 79-85%, D 72-78%, E 65-71%, FX 64% and less.

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**
Vince M.: Macmillan Grammar in Context, Macmillan, 2008
McCarthy, O'Dell: English Vocabulary in Use, CUP, 1994
C. Oxengen, C. Latham-Koenig: New English File Advanced, Oxford 2010
Misztal M.: Thematic Vocabulary, Fragment, 1998
www.bbclearningenglish.com
ted.com/talks

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 406

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 39.66 | 18.97 | 16.75 | 8.62 | 5.91 | 10.1 |

**Provides:** Mgr. Lenka Klimčáková

**Date of last modification:** 14.09.2019

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** KGER/ NJKG/07 | **Course name:** Communicative Grammar in German Language |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:**

**Course level:** I., II.

**Prerequisities:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 54

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 59.26 | 11.11 | 9.26 | 3.7 | 9.26 | 7.41 |

**Provides:** Mgr. Blanka Jenčíková

**Date of last modification:** 03.05.2015

**Approved:**

**COURSE INFORMATION LETTER**

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** KPPaPZ/ECo-C3/14 | **Course name:** Conflict Management ECo-C3 |

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** combined, present

**Number of ECTS credits:** 4

**Recommended semester/trimester of the course:** 3., 5.

**Course level:** I., N

**Prerequisities:**

**Conditions for course completion:**
The conditions for completing the course are as follows:
1. Active participation in exercises
2. Submission of reflection within the set deadline on the selected topic.
Attendance at seminars is mandatory - the student may have two absences during the semester.
The evaluation of the course and its subsequent completion will be based on clearly and objectively set requirements, which will be set in advance and will not change. The aim of the assessment is to ensure an objective and fair mapping of the student's knowledge while adhering to all ethical and moral standards. There is no tolerance for students' fraudulent behavior, whether in the teaching process or in the assessment process.

**Learning outcomes:**
Successful mastery and demonstration of knowledge in the field of conflict management and control of basic rules.
The method of teaching the subject will be oriented to the student. Lecturers will be interested in students' needs, expectations and opinions so as to encourage them to think critically by expressing respect and feedback on their opinions and needs.
The content of the curriculum will be based on primary and high-quality sources that will reflect the topicality of the topics so as to ensure the connection of the curriculum with other subjects and also the connection of the curriculum with practice. Students will be expected to take an active approach in lectures and seminars with an emphasis on their independence and responsibility.
The student is able to demonstrate an understanding of an individual's behavior in various conflict situations. The student is able to describe, explain and evaluate their own internal resources, competencies as well as limitations and weaknesses that are directly related to conflict management.
The student is able to apply theoretical knowledge and principles of conflict resolution to everyday situations.

**Brief outline of the course:**
Disputes and their causes (Types of disputes, External influences, Be able to reveal the causes of disputes), Dispute origin (Levels of disputes, Escalation warning signals, Escalation removal strategies, Know how to explain escalation stages; How do I approach a dispute?) Dispute Resolution, Dispute Resolution Strategies, Dispute Discussion, Dispute Settlement Initiatives,

Knowing how to handle a dispute and how to effectively resolve it), Dispute Resolution (Options, Public Struggle, Covert Struggle, Indefinite Postponement, Agreement, “Fair play ”, compromise, cooperation, capitulation, escape or separation), Prevention (Structures that produce disputes, The meaning and purpose of disputes, Stages and steps of dispute resolution, What does a positive corporate culture mean? Dispute is an incentive for change)

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 72

| abs | n |
|---|---|
| 93.06 | 6.94 |

**Provides:** Mgr. Ondrej Kalina, PhD.

**Date of last modification:** 24.06.2021

**Approved:**

## COURSE INFORMATION LETTER

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** KPPaPZ/VPMOS/16 | **Course name:** Developmental Psychology for Double-Major Study |

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 2 **Per study period:** 28 / 28
**Course method:** present

**Number of ECTS credits:** 6

**Recommended semester/trimester of the course:** 4.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Active participation in seminars, continuous assessment of activities in seminars, evaluation of seminar work, final exam

**Learning outcomes:**
The graduate will understand the principles of developmental psychology, and will be able to characterize the norm in various stages of development. As part of the seminar work, students will process current knowledge published in international journals. They will orient themself in the current social discourse on the topics covered.

**Brief outline of the course:**
Introduction to developmental psychology. Basic concepts, factors and determinants of development, maturation and learning, developmental tasks, history of developmental psychology. Biological and social determinants of development, healthy and unhealthy development. Factors of socialization. Socialization at an early age, theory of attachment, psychological deprivation. Personality development. Theories of personality development. Identity development. Cognitive development. Moral development. Development periodization - basic characteristics of separate development periods from prenatal development to old age.

**Recommended literature:**
Thorová, K. Vývojová psychologie. Portál, Praha, 2015.
Macek, P. Adolescence. Praha: Portál, 2003
Vágnerová, M. Vývojová psychologie. Portál, Praha 2000
Říčan, P. Cesta životem. Portál, Praha, 2004.
Matějček, Z. - rôzne diela

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 70

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 21.43 | 18.57 | 34.29 | 18.57 | 5.71 | 1.43 |

**Provides:** Mgr. Mária Bačíková, PhD.

**Date of last modification:** 24.06.2021

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/ DSMa/10 | **Course name:** Discrete mathematics I |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 2 **Per study period:** 28 / 28
**Course method:** present

**Number of ECTS credits:** 5

**Recommended semester/trimester of the course:** 3.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Examination.

**Learning outcomes:**
To be familiar with some factual knowledge of combinatorics and graph theory. To understand an appreciate mathematical notions, definitions, and proofs, to solve problems requiring more than just standard recipes, and to express mathematical thoughts precisely and more rigorously.

**Brief outline of the course:**
Basic principles.
Counting and binomial coefficients, Binomial theorem, polynomial theorem.
Recurrence: Some miscellaneous problems, Fibonacci-type relations, Using generating functions, miscellaneous methods.
The inclusion-exclusion principle. Rook polynomials.
Introduction to graphs: The concept of graphs, paths in graphs. Connectivity. Trees, bipartite graphs. Planarity. Polyhedra.
Traveling round a graph: Eulerian graphs, Hamiltonian graphs.
Partitions and colourings: Vertex colourings of graphs. Edge colourings of graphs

**Recommended literature:**
1. I. Anderson, A first course in discrete mathematics, Springer-Verlag London, 2001.
2. J. Matoušek and J. Nešetřil, Invitation to discrete mathematics, Oxford University Press Inc. , New York 1999.

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 300

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 15.67 | 17.67 | 21.0 | 24.67 | 17.67 | 3.33 |

| |
|---|
| **Provides:** doc. RNDr. Roman Soták, PhD., RNDr. Mária Maceková, PhD. |
| **Date of last modification:** 20.09.2020 |
| **Approved:** |

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/ DSMb/10 | **Course name:** Discrete mathematics II |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 2 **Per study period:** 28 / 28
**Course method:** present

**Number of ECTS credits:** 5

**Recommended semester/trimester of the course:** 4.

**Course level:** I.

**Prerequisities:** ÚMV/DSMa/10 and leboÚMV/DSM3a/10

**Conditions for course completion:**
Two tests during the semester
It is made on the base of results of two tests during the semester (50%)and a final written exam and an oral exam (50%)

**Learning outcomes:**
Mastered funamental methods of graph theory. To be familiar with some possibilities of applications of graph theory

**Brief outline of the course:**
Introduction to graphs.
Connectivity and distance in graphs.
Trees, spanning subgraphs
Independence and coverings.
Introduction to the Ramsey theory.
Introduction to the extremal graph theory.
Matchings: Theorem of Hall, theorem of Berge, optimal assignment problems.
Vertex colorings: Theorem of Brooks, Theorem of Erdos and Szekeres.
Chromatic polynomials.
Edge colourings, Theorem of Koenig.
Introduction to directed graphs: Basic notions, connectivities, tounaments, acyclic graphs, base and kernel of a graph.
Introduction to applications of graphs.

**Recommended literature:**
1. A. Bondy and U.S.R. Murty: Graph theory, Springer-Verlag 2008
2. G. Chartrand, L. Lesniak, and P. Zhang, Graphs and digraphs, CRC Press, Boca Raton 2011
3. R. Diestel: Graph Theory, Springer-Verlag, New York, Inc. 1997
4.M.N.S. Swamy and K. Thulasiraman: Graphs, Networks and Algorithms.
Willey Interscience Publ., New York 1981

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 179

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 14.53 | 10.61 | 24.58 | 25.7 | 18.44 | 6.15 |

**Provides:** RNDr. Igor Fabrici, Dr. rer. nat., RNDr. Mária Maceková, PhD.

**Date of last modification:** 03.05.2015

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/ DSMc/10 | **Course name:** Discrete mathematics III |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 2 **Per study period:** 28 / 28
**Course method:** present

**Number of ECTS credits:** 5

**Recommended semester/trimester of the course:**

**Course level:** I.

**Prerequisities:** ÚMV/DSMb/10

**Conditions for course completion:**
Two tests during the semester
It is made on the base of results of two tests during the semester (50%)and a final written exam and an oral exam (50%)

**Learning outcomes:**
Mastered fundamental methods of graph theory. Abilities of applications of graph theory.

**Brief outline of the course:**
Eulerian and Hamiltonian graphs.
Connectivity: Theorem of Menger.
Matching: Theorem of Tutte.
Planar graphs: Theorem of Kuratowski.
Plane graphs: Euler polyhedral formula and its consequences,
Introduction to the theory of light graphs in plane graphs.
Colourings of plane graphs.
Crossing numbers of graphs.
Introduction to the topological graph theory.
Edge colourings: Theorem of Vizing.
Application of Graph theory: The shortest path problem, the critical path method.

**Recommended literature:**
1. A. Bondy and U.S.R. Murty: Graph theory, Springer-Verlag 2008
2. G. Chartrand, L. Lesniak, and P. Zhang, Graphs and digraphs, CRC Press, Boca Raton 2011
3. R. Diestel: Graph Theory, Springer-Verlag, New York, Inc. 1997
4.M.N.S. Swamy and K. Thulasiraman: Graphs, Networks and Algorithms.
Willey Interscience Publ., New York 1981

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 77

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 15.58 | 31.17 | 15.58 | 24.68 | 12.99 | 0.0 |

**Provides:** prof. RNDr. Tomáš Madaras, PhD., RNDr. Mária Maceková, PhD.

**Date of last modification:** 03.05.2015

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** KPPaPZ/PDZ/09 | **Course name:** Drug Addiction Prevention |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 1 **Per study period:** 28 / 14
**Course method:** present

**Number of ECTS credits:** 4

**Recommended semester/trimester of the course:** 3., 5.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
1st part of the semester evaluation: active participation in the training part (30p). 2nd part of the semester evaluation: active participation in workshops (20p). 3rd part of the semester evaluation - preparation (10p) and implementation (10p) of block activities (20b, minimum 11 points). 4th part of the evaluation - written knowledge exam (20p, minimum 11 points). In total, students can get 90p and the final grade is as follows: 90 - 82: A 81 - 73: B 72 - 66: C 65 - 59: D 58 - 54: E 53 and less: FX. Detailed information in the electronic board of the course in AIS2. The teaching of the subject will be realized by a combined method.

**Learning outcomes:**
The student understands the laws of the research data based prevention of risk behavior, can describe and explain the determinants of risk behavior as well as protective and risk factors for substance use. Understands and adequately interprets the theory explaining the background of substance and non-substance addictions.
The student is also able to state and classify the types and forms of prevention, strategies and approaches in prevention, can distinguish effective strategies from ineffective ones.
The student is able to apply the learned rules, procedures and competencies of the lecturer in the prevention of drug addiction in terms of working with a group of students.

**Brief outline of the course:**
Psychological, pedagogical-psychological, medical and legal-forensic aspects of substance abuse prevention
Prevention of substance use based on risk and resilience
Primary, secondary and tertiary prevention of substance use
Universal, selective and indicated prevention of substance abuse
Effective substance prevention strategies based on research data
School substance abuse prevention programs
Preparation and implementation of components of effective programs for the prevention of substance abuse in school practice.

**Recommended literature:**
Orosová, O. a kol. (2012). Základy prevencie užívania drog a problematického používania internetu v školskej praxi. Košice: UPJŠ.

Sloboda, Z., & Bukoski, J. (Eds.). (2006). Handbook of Drug Abuse Prevention: Theory, Science, and Practice. New York: Springer.
National and international scientific journals.

**Course language:**
slovak

**Notes:**

**Course assessment**
Total number of assessed students: 249

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 53.01 | 18.88 | 14.86 | 9.24 | 2.41 | 1.61 |

**Provides:** prof. PhDr. Oľga Orosová, CSc., Mgr. Marta Dobrowolska Kulanová, PhD., Mgr. Lucia Barbierik, PhD., Mgr. Lenka Abrinková, Mgr. Frederika Lučanská, Mgr. Viera Čurová, Mgr. Marcela Štefaňáková, PhD.

**Date of last modification:** 25.06.2021

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** KPPaPZ/PUDB/15 | **Course name:** Drug Addiction Prevention in University Students |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 3., 5.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
1st of the evaluation: active participation in the training part (30p). 2nd part of the evaluation: active participation in workshops (20p). In total, students can get 50p and the final evaluation is as follows: 50 - 45: A; 44 - 40: B; 39-35: C; 34-30: D; 29 - 25: E 24 and less: FX. Detailed information in the electronic bulletin board of the course in AIS2. The teaching of the subject will be realized by a combined method.

**Learning outcomes:**
The student understands the principals of research data based prevention of risk behavior, can describe and explain the determinants of risk behavior as well as protective and risk factors for substance use. Student understands and adequately interprets the theory explaining the background of substance and non-substance addictions.
The student is also able to state and classify the types and forms of prevention, strategies and approaches in prevention, can distinguish effective strategies from ineffective ones.
The student is able to adequately interpret their experience with preventive activities in the group and assume their positive effect as well as limitations and threats.

**Brief outline of the course:**

**Recommended literature:**
Orosová, O. a kol. (2012). Základy prevencie užívania drog a problematického používania internetu v školskej praxi. Košice: UPJŠ.
Sloboda, Z., & Bukoski, J. (Eds.). (2006). Handbook of Drug Abuse Prevention: Theory, Science, and Practice. New York: Springer.
National and international scientific journals.

**Course language:**
slovak

**Notes:**

**Course assessment**
Total number of assessed students: 407

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 69.29 | 22.6 | 5.65 | 2.21 | 0.25 | 0.0 |

**Provides:** prof. PhDr. Oľga Orosová, CSc., Mgr. Marta Dobrowolska Kulanová, PhD., Mgr. Lucia Barbierik, PhD., Mgr. Lenka Abrinková, Mgr. Frederika Lučanská, Mgr. Viera Čurová, Mgr. Marcela Štefaňáková, PhD.

**Date of last modification:** 25.06.2021

**Approved:**

**COURSE INFORMATION LETTER**

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** ÚINF/ EDS/15 | **Course name:** Educational software |

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 5.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Conditions for ongoing evaluation:
1. Creation of a worksheet for student (with custom graphics).
2. Creation of a multimedia educational presentation (with pictures, animations and sounds).
3. Creation of an interactive educational quiz (with various types of quiz items).
4. Creation of an instructional educational video.
Conditions for the final evaluation:
1. Creation and presentation of final project on the use of educational software in education.
Conditions for successful completion of the course:
Obtaining at least 50% of points for ongoing and final assignments.

**Learning outcomes:**
Students will receive, resp. deepen their basic skills in working with:
a) presentation software, programs for creating and editing images, animations, diagrams, sounds, conceptual maps,
b) programs for the creation of didactic tests, questionnaires, surveys,
c) simulation and modeling software,
d) selected subject-oriented educational programs,
Students present and discuss their idea of the use of educational software and educational Internet resources and tools in the selected school subject.

**Brief outline of the course:**
1. Overview of educational software and educational web resources and tools.
2. Creating and processing images into teaching aids (word clouds, QR codes, diagrams, concept maps).
3. Creating raster animations. Creating and processing sounds.
4. Creation of instructional educational video.
5. Electronic voting (Polleverywhere, Plickers, Kahoot!) and questionnaire creation (Google Forms).
6. Creation of didactic tests (Google Forms, HotPotatoes).
7. Collaborative web applications (mind42, miro, whiteboard, padlet).
8. Online communication tools (BBB).

9. Complex online learning environments (Moodle).
10. Online educational projects and competitions (eTweening, WebQuest, PALMA junior).
11. Simulations and modelling (WolframAlpha, PhET, Geogebra). Subject-focused educational programmes.
12. Creation of educational software in Scratch environment.

**Recommended literature:**

SOLOMON, Gwen and Lynne SCHRUM, 2014. Web 2.0 How-to for Educators. Second. International Society for Technology in Education, 314 p. ISBN 978-1564843517.
STOBAUGH, Rebecca, 2019. Fifty Strategies to Boost Cognitive Engagement: Creating a Thinking Culture in the Classroom (50 Teaching Strategies to Support Cognitive Development). Solution Tree Press, 176 p. ISBN 978-1947604773.
LEMOV, Doug, 2015. Teach Like a Champion 2. 0: 62 Techniques That Put Students on the Path to College [online]. 2nd edition. John Wiley & Sons, Incorporated, 509 p. [cited 2021-7-10]. ISBN 9781118898628. Available from: https://ebookcentral.proquest.com/lib/upjs-ebooks/detail.action?docID=1895720
European Schoolnet: Transforming education in Europe [online]. [cited 2021-7-10]. Available from: http://www.eun.org/home
Science On Stage Europe [online]. Science on Stage Europe e.V. [cited 2021-7-10]. Available from: https://www.science-on-stage.eu/

**Course language:**
Slovak and partly English due to selected programs and information sources

**Notes:**
By default, teaching is carried out face to face. If this is not possible (eg due to a pandemic), teaching is provided at a distance through video conferencing programs and LMS.

**Course assessment**
Total number of assessed students: 52

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 61.54 | 19.23 | 13.46 | 0.0 | 5.77 | 0.0 |

**Provides:** doc. RNDr. Ľubomír Šnajder, PhD.

**Date of last modification:** 01.08.2021

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** CJP/ PFAJ4/07 | **Course name:** English Language of Natural Science |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 4.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Distant form of study (Online through MS teams) - based on the sylabus
Active participation in class and completed homework assignments. Students are allowed to miss 2 classes at the most (in case of online form - not attending online class/ assignments not handed in)
Continuous assessment: 2 credit tests taken thorugh MS Teams online(presumably in weeks 6 and 13) and academic presentation in English given through MS Teams online.
In order to be admitted to the final exam, a student has to score at least 65 % as a sum of both credit tests.
The exam test results represent 50% of the final grade for the course, continuous assessment results represent the other 50% of the final grade.
The final grade for the course will be calculated as follows:
A 93-100, B 86-92, C 79-85, D 72-78, E 65-71, FX 64 and less.

**Learning outcomes:**
Enhancement of students' language skills (speaking, writing, reading and listening comprehension) in English for specific purposes and development of students' language competence (familiarization with selected phonological, lexical and syntactic phenomena), improvement of students' pragmatic competence (familiarization with selected language functions) and improvement of presentation skills at B2 level (CEFR) with focus on terminology of English for natural science.

**Brief outline of the course:**
1. Introduction to studying language
2. Selected aspects of scientific language
3. Talking about academic study
4. Discussing science
5. Defining scientific terminology and concepts
6. Expressing cause and effect
7. Describing structures
8. Explaining processes
9. Comparing objects, structures and concepts
10. Talking about problem and solution
11. Referencing authors

12. Giving examples
13. Visual aids and numbers
14. Referencing time and place
Presentation topics related to students´study fields.

**Recommended literature:**

study materials provided by the course instructor
Redman, S.: English Vocabulary in Use, Pre-intermetdiate, Intermediate. Cambridge University Press, 2003.
Armer, T.: Cambridge English for Scientists. CUP, 2011.
Wharton J.: Academic Encounters. The Natural World. CUP, 2009.
Murphy, R.: English Grammar in Use. Cambridge University Press, 1994.
P. Fitzgerald : English for ICT studies. Garnet Publishing, 2011.
https://worldservice/learningenglish, https://spectator.sme.sk
www.isllibrary.com

**Course language:**

**Notes:**

**Course assessment**

Total number of assessed students: 2744

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 38.16 | 25.4 | 16.65 | 9.73 | 7.87 | 2.19 |

**Provides:** Mgr. Lenka Klimčáková, Mgr. Viktória Mária Slovenská, Mgr. Zuzana Naďová

**Date of last modification:** 14.02.2021

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚBEV/ETOP/08 | **Course name:** Etology |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 2 **Per study period:** 28 / 28
**Course method:** present

**Number of ECTS credits:** 6

**Recommended semester/trimester of the course:** 1., 3., 5.

**Course level:** I., II.

**Prerequisities:**

**Conditions for course completion:**
Thematical presentation
Oral examination

**Learning outcomes:**
To teach the students to know and to be aware of the importance of the behavioural aspect in biological sciences

**Brief outline of the course:**
History and development of ethology. Ethological methods. The innate forms of behaviour. The simplest forms of learning – conditioning and instrumental learning. Higher form of learning. Social behaviour. Sexual behaviour. Play behaviour. Biological rhythms. Orientation in space and animal migrations. Communication systems of animals. Emotions. Aggression in animal and human behaviour. Abnormal forms of behaviour

**Recommended literature:**
1.J.B.Balcome: Second nature. The inner life of animals. Palgrave.McMillan,2010.
2. T.J.Carew: Behavioral Neurobiology. Sinauer Assoc., Sunderland, 2000.

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 577

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 31.72 | 29.29 | 26.69 | 9.36 | 2.95 | 0.0 |

**Provides:** RNDr. Igor Majláth, PhD., RNDr. Natália Pipová, PhD., RNDr. Terézia Kisková, PhD.

**Date of last modification:** 16.05.2021

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/ FRPa/19 | **Course name:** Function of real variable |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 4 **Per study period:** 28 / 56
**Course method:** present

**Number of ECTS credits:** 7

**Recommended semester/trimester of the course:** 1.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Written exam.

**Learning outcomes:**
The course provides an introductory knowledge on basic tools of differential and integral calculus of real functions of one real variable, and a development of certain calculation skills in the field.

**Brief outline of the course:**
1. Basics of mathematical logic and notations.
2. Real functions - basic notions, operation, graphs, continuity.
3. Differential calculus of functions of one real variable - differentiability, using the derivative.
4. Integral calculus of functions of one real variable - Newton integral.

**Recommended literature:**
1. Brannan, D.: A First Course in Mathematical Analysis, Cambridge University Press, Cambridge 2006.
2. Bruckner, A. M., Bruckner J. B., Thomson, B. S.: Real Analysis, Second Edition, ClassicalRealAnalysis.com, 2008.
3. Zorich, V. A.: Mathematical Analysis I, Springer-Verlag 2002.

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 621

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 7.89 | 9.02 | 15.46 | 22.38 | 35.59 | 9.66 |

**Provides:** doc. RNDr. Ondrej Hutník, PhD., RNDr. Lenka Halčinová, PhD., RNDr. Jana Borzová, PhD.

**Date of last modification:** 26.03.2019

**Approved:**

**COURSE INFORMATION LETTER**

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** ÚMV/ GEO2a/15 | **Course name:** Geometry I |

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 3 / 2 **Per study period:** 42 / 28
**Course method:** present

**Number of ECTS credits:** 5

**Recommended semester/trimester of the course:** 6.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Two written tests.
Written and oral examinations
For continuous evaluation - max. 40 points
for the written test - max. 20 points
for oral exams - max. 40 points)
Final score:
A: 100-91 points, B: 90-81, C: 80-71, D: 70-61, E: 60-51, F: less than 51 points
Note: In each of the student needs to have at least 40% max. number of points

**Learning outcomes:**
To acquaint students with the analytical geometry of linear and quadratic figures in Afinne and Euclidean space.

**Brief outline of the course:**
Affine n-dimensional space - definition.
Linear coordinate system.
Subspaces, the parametric and non-parametric representation.
The relative position of the two subspaces.
Bundles of lines.
The arrangement of points on the line.
Convex sets.
Changing the system of linear coordinates.
Euclidean space - definition of (scalar and outer product).
Euclidean distances and deviations subspaces.
The rate of the size of convex sets.
Triangle and trigonometric theorems.
Conic and line.

**Recommended literature:**
1. M.Sekanina, L.Boček, M.Kočandrle, J.Šedivý: Geometrie 1, SPN Praha 1986
2. M.Hejný, V.Zaťko, P.Kršňák: Geometria 1, SPN Bratislava 1985
3. J.Eliaš, J.Horváth, J.Kajan: Zbierka úloh z vyššej matematiky 1, Alfa Bratislava

4. M.Trenkler: Materiály uvedené na Internete.

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 152

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 18.42 | 17.11 | 22.37 | 19.08 | 15.13 | 7.89 |

**Provides:** doc. RNDr. Dušan Šveda, CSc., RNDr. Veronika Hubeňáková, PhD.

**Date of last modification:** 03.05.2015

**Approved:**

**COURSE INFORMATION LETTER**

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** KGER/ NJPS1/06 | **Course name:** German Language for Students of Psychology I |

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 1., 3.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
1 written test during the semester (test, min. 60 %), seminar work (verification method presentation of the assigned topic of the seminar min. 60 %)

**Learning outcomes:**
Student develops and consolidates his language competencies, is able to communicate in written and oral form at the level of advanced language knowledge and skills, which it applies in the field of study – psychology. Student presents the results of his seminar work.

**Brief outline of the course:**
1. Introduction to professional language
2. Communication in private and professional life
3. Written communication (CV, job application, complaint)
4. Macrostructure of written documents
5. Our world on the threshold of the third millennium (environment, scientific progress)
6. School system in our country and in Germany
7. Universities in our country and in Germany. Pavol Jozef Šafárik University in Košice
8. Mass media communication and public opinion. Media diversity. Advertising as a means of manipulation
9. Family and personal happiness
10. Multicultural society
11. Prejudices and stereotypes in Slovak and German culture
12. Department of Psychology. My profession

**Recommended literature:**
1. DITTELOVÁ, E. - ZAVATČANOVÁ, M.: Einführung in das Studium der deutschen Fachsprache. Košice: ES UPJŠ, 2000
2. KNAACK, W. - KUHN, M. - LAUDEL, H. - WALLRABENSTEIN, W.: Reden, Schreiben, Rechnen. Hamburg: Xenos, 1984
3. KOZMOVÁ, R. - BERGLOVÁ, E. - FORMÁNKOVÁ, E. - MAŠEK, M.: Moderná gramatika nemčiny. Bratislava: Fraus, 2003, 312 s.
4. FAST, J.: Körpersprache. Reinberg bei Hamburg: Rowohlt, 1983

5. ILLICHMANN, A.: Arbeitsbuch Psychologie für höhere Lehranstalten. Wien: Verlag Hölder - Pichler - Tempsky, 2006, 259 S.
6. Psychologie heute. Verlagsgruppe Beltz, Julius Beltz GmbH & Co. KG, Werderstr. 10
7. KRENN, W. - PUCHTA, H.: Motive Kompaktkurs D a F, Hueber 2020.

**Course language:**
German, Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 121

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 60.33 | 30.58 | 4.96 | 1.65 | 2.48 | 0.0 |

**Provides:** Mgr. Blanka Jenčíková

**Date of last modification:** 10.05.2021

**Approved:**

**COURSE INFORMATION LETTER**

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** KGER/ NJPS2/06 | **Course name:** German Language for Students of Psychology II |

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 2., 4.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
1 written test during the semester (test, min. 60 %), seminar work (verification method presentation of the assigned topic of the seminar min. 60 %)

**Learning outcomes:**
Student develops and consolidates his language competencies, is able to communicate in written and oral form at the level of advanced language knowledge and skills, which he applies in the field of study – psychology. He presents the results of his seminar work.

**Brief outline of the course:**
1. Introduction to professional language
2. Communication in private and professional life
3. Written communication (CV, job application, complaint)
4. Macrostructure of written documents
5. Our world on the threshold of the third millennium (environment, scientific progress)
6. School system in our country and in Germany
7. Universities in our country and in Germany. Pavol Jozef Šafárik University in Košice
8. Mass media communication and public opinion. Media diversity. Advertising as a means of manipulation
9. Family and personal happiness
10. Multicultural society
11. Prejudices and stereotypes in Slovak and German culture
12. Department of Psychology. My profession

**Recommended literature:**
1. DITTELOVÁ, E. - ZAVATČANOVÁ, M.: Einführung in das Studium der deutschen Fachsprache. Košice: ES UPJŠ, 2000
2. KNAACK, W. - KUHN, M. - LAUDEL, H. - WALLRABENSTEIN, W.: Reden, Schreiben, Rechnen. Hamburg: Xenos, 1984
3. KOZMOVÁ, R. - BERGLOVÁ, E. - FORMÁNKOVÁ, E. - MAŠEK, M.: Moderná gramatika nemčiny. Bratislava: Fraus, 2003, 312 s.
4. FAST, J.: Körpersprache. Reinberg bei Hamburg: Rowohlt, 1983

5. ILLICHMANN, A.: Arbeitsbuch Psychologie für höhere Lehranstalten. Wien: Verlag Hölder - Pichler - Tempsky, 2006, 259 S.
6. Psychologie heute. Verlagsgruppe Beltz, Julius Beltz GmbH & Co. KG, Werderstr. 10
7. KRENN, W. - PUCHTA, H.: Motive Kompaktkurs D a F, Hueber 2020

**Course language:**
German, Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 143

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 58.04 | 25.87 | 6.99 | 2.8 | 5.59 | 0.7 |

**Provides:** Mgr. Blanka Jenčíková

**Date of last modification:** 10.05.2021

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** KF/ FMOPs/15 | **Course name:** History of Philosophy (for Students of Psychology) |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 1.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 1745

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 29.97 | 18.85 | 18.4 | 13.75 | 15.99 | 3.04 |

**Provides:** PhDr. Katarína Mayerová, PhD.

**Date of last modification:** 10.09.2020

**Approved:**

**COURSE INFORMATION LETTER**

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** KF/ DF2p/03 | **Course name:** History of Philosophy 2 (General Introduction) |

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 1 **Per study period:** 28 / 14
**Course method:** present

**Number of ECTS credits:** 4

**Recommended semester/trimester of the course:** 6.

**Course level:** I., II.

**Prerequisities:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 742

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 60.78 | 13.88 | 12.67 | 8.63 | 3.37 | 0.67 |

**Provides:** Doc. PhDr. Peter Nezník, CSc., PhDr. Katarína Mayerová, PhD., doc. Mgr. Róbert Stojka, PhD.

**Date of last modification:** 25.03.2020

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** KPE/ INP/17 | **Course name:** Inclusive Pedagogy |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 5.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 42

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 83.33 | 16.67 | 0.0 | 0.0 | 0.0 | 0.0 |

**Provides:** PaedDr. Janka Ferencová, PhD.

**Date of last modification:** 08.06.2021

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/ IPU/10 | **Course name:** Informatics course for teachers of mathematics |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 1 / 1 **Per study period:** 14 / 14
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 6.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Elaborating test by using a computer. Solving problems of worksheet and elaboration of seminar work.

**Learning outcomes:**
To develop the students' knowledge and skills in the basics of working with standard ICT, which provide opportunities for their use in mathematics education. To teach students to use the basic commands of Logo language for writing and generalization algorithms for constructing geometric shapes and basic principles of creation of constructions in the environment of dynamic geometry. To develop creative and evaluative students' ability to allow meaningful integration of modern technologies in mathematics education.

**Brief outline of the course:**
Basics of development of algorithms in Logo. Basics of working in the dynamic geometry environment. Educational applications and Internet in mathematics education. Use of numerical and graphical representations of data and modelling in the spreadsheet environment.

**Recommended literature:**
B. Brdička: The Role of Internetu in Education, 2003, http://it.pedf.cuni.cz/~bobr/role/econt.htm.
S. Lukáč a kol.: IKT vo vyučovaní matematiky, Asociácia projektu Infovek 2002.
M. Černochová a kol.: Využití počítače při vyučování. Portál, 1998.
Z. Šťastný: Matematické a statistické výpočty v Microsoft Excelu, Computer Press 2001.

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 106

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 50.0 | 26.42 | 16.04 | 5.66 | 1.89 | 0.0 |

**Provides:** doc. RNDr. Stanislav Lukáč, PhD.

| |
|---|
| **Date of last modification:** 03.05.2015 |
| **Approved:** |

## COURSE INFORMATION LETTER

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** Dek. PF UPJŠ/USPV/13 | **Course name:** Introduction to Study of Sciences |
| **Course type, scope and the method:**<br>**Course type:** Lecture / Practice<br>**Recommended course-load (hours):**<br>**Per week: Per study period:** 12s / 3d<br>**Course method:** present | |
| **Number of ECTS credits:** 2 | |
| **Recommended semester/trimester of the course:** 1. | |
| **Course level:** I. | |
| **Prerequisities:** | |
| **Conditions for course completion:** | |
| **Learning outcomes:** | |
| **Brief outline of the course:** | |
| **Recommended literature:** | |
| **Course language:** | |
| **Notes:** | |
| **Course assessment**<br>Total number of assessed students: 1734 | |
| abs | n |
| 86.51 | 13.49 |
| **Provides:** doc. RNDr. Marián Kireš, PhD. | |
| **Date of last modification:** 25.09.2019 | |
| **Approved:** | |

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/ UAD/10 | **Course name:** Introduction to data analysis |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 1 / 1 **Per study period:** 14 / 14
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 3.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Test and individual project work.
Oral presentation of the individual project work.

**Learning outcomes:**
To know the basic purpose of statistical data analysis, its methods and statistical thinking and understand its importance for science and practical life.
To understand elementary statistical concepts.
To gain experience in handling real data using spreadsheet Excel and statistical software R.

**Brief outline of the course:**
1. Introduction (the basic philosophy and aim of statistical data analysis, descriptive and inductive statistics)
2. Collecting Data (types of data, random sample, randomized experiment)
3. Handling Data (visualization, summarizing – measures of center, measures of variability, skewness and kurtosis, relationships in data – introduction to regression and correlation)
4. Statistical inference (elementary view into estimation and testing hypothesis)

**Recommended literature:**
1. Anděl, J.: Statistické metody, Matfyzpress, Praha, 1998 (in Czech)
2. Rossman, A.J. et al.: Workshop Statistics: Discovery with Data and Fathom, 3rd ed. Wiley, 2009
3. Utts, J.M.: Seeing Through Statistics, 4th ed., Thomson Brooks/Cole, Belmont, 2014
4. Utts, J.M., Heckard R.F.: Mind on Statistics, 5th ed. Thomson Brooks/Cole, Belmont, 2014
5. Zvára, K., Štěpán, J.: Pravděpodobnost a matematická statistika, Matfyzpress, Praha, 2001 (in Czech)

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 328

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 33.54 | 25.3 | 28.96 | 11.28 | 0.61 | 0.3 |

**Provides:** RNDr. Martina Hančová, PhD.

**Date of last modification:** 18.09.2020

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/ UDM/10 | **Course name:** Introduction to mathematics |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 1 / 2 **Per study period:** 14 / 28
**Course method:** present

**Number of ECTS credits:** 3

**Recommended semester/trimester of the course:** 1.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Two tests during the semester.

**Learning outcomes:**
Repetition of problematic sections of the secondary mathematics by interesting tasks.

**Brief outline of the course:**
Simplification of algebraic expressions. Real number, absolute value of real numbers; equations and inequalities. Irrational equations and inequalities. Concept of function. Linear and quadratic function; equations and inequalities. Exponencial and logarithmic function; equations and inequalities. Goniometric functions; equations and inequalities. Complex numbers.

**Recommended literature:**
1. V. Medek - L. Mišík - T. Šalát: REPETITÓRIUM STREDOŠKOLSKEJ MATEMATIKY, Alfa Bratislava, 1976
2. S. Richtárová - D. Kyselová: MATEMATIKA (pomôcka pre maturantov a uchádzačov o štúdium na vysokých školách), Enigma Nitra, 1998
3. O. Hudec – Z. Kimáková – E. Švidroňová: PRÍKLADY Z MATEMATIKY (pre uchádzačov o štúdium na TU v Košiciach), EF TU Košice, 1999
4. F. Peller – V. Šáner – J. Eliáš – Ľ. Pinda: MATEMATIKA – Podklady na prijímacie testy pre uchádzačov o štúdium, Ekonóm Bratislava, 2000/2001
5. F. Vesajda – F. Talafous: ZBIERKA ÚLOH Z MATEMATIKY pre stredné všeobecnovzdelávacie školy a gymnáziá, SPN Bratislava, 1973
6. J. Lukášová – O. Odvárko – B. Riečan – J. Šedivý – J. Vyšín: ÚLOHY Z MATEMATIKY pre 4. ročník gymnázia, SPN Bratislava, 1976

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 471

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 22.51 | 19.75 | 17.41 | 16.99 | 11.68 | 11.68 |

**Provides:** doc. RNDr. Matúš Harminc, CSc., RNDr. Zuzana Gönciová, Mgr. Monika Krišáková

**Date of last modification:** 03.05.2015

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** KPPaPZ/USMM/19 | **Course name:** Introduction to statistical methods for inter-disciplinary study program |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 2 **Per study period:** 28 / 28
**Course method:** present

**Number of ECTS credits:** 6

**Recommended semester/trimester of the course:** 2.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
The assessment for this subject is based on a combination of interim evaluation and the final exam. Proportionally the interim evaluation represents 40% and the final exam 60% of the overall assessment. The subject will be taught in both present and distance format. Up-to-date information concerning the subject for the given academic year can be found on the electronic board of the subject in the Academic information system of the UPJŠ.

**Learning outcomes:**
Students will acquires basic theoretical knowledge and understanding of descriptive and inductive statistics. They will also gain practical skills in creating databases, performing analyses and presenting data in available statistical program. The emphasis will be put on developing individual ability to work independently and to be able to apply acquired knowledge and skills in their own research.

**Brief outline of the course:**
Theoretical basics of statistical methods. Defining variables and creating databases. Graphical and numerical representation of data. Correlations between variables. Probability. Statistical significance and its determination. Statistical estimation and verification of hypotheses. Differential statistics.

**Recommended literature:**
1. FERJENČÍK, J.: Základy štatistických metód v sociálnych vedách. Košice: UPJŠ, 2006
2. FIELD, A.: Discovering Statistics using SPSS, London: Sage, 2005
3. HENDL, J.: Přehled statistických metod zpracování dat. Praha: Portál,2004

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 395

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 11.39 | 17.47 | 17.97 | 19.75 | 24.05 | 9.37 |

| |
|---|
| **Provides:** Mgr. Jozef Benka, PhD. et PhD. |
| **Date of last modification:** 25.06.2021 |
| **Approved:** |

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** KKF/ LJPS/07 | **Course name:** Latin Language for Students of Psychology |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 1 / 1 **Per study period:** 14 / 14
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 2., 4.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 21

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 38.1 | 14.29 | 23.81 | 19.05 | 0.0 | 4.76 |

**Provides:** doc. PhDr. František Šimon, CSc.

**Date of last modification:** 25.04.2021

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/ LCO/10 | **Course name:** Linear and integer programming |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 2 **Per study period:** 28 / 28
**Course method:** present

**Number of ECTS credits:** 5

**Recommended semester/trimester of the course:**

**Course level:** I.

**Prerequisities:** ÚMV/ALGa/10

**Conditions for course completion:**
Two tests, using software CASSIM, oral exam

**Learning outcomes:**
To learn the solving methods of linear programming

**Brief outline of the course:**
Formulation of linear and integer programs. Graphic solution. Simplex method, its variants and finiteness. Duality and its economic interpretation. Sensitivity analysis and parametric programming. Algorithms for integer programming.

**Recommended literature:**
Ch. Papadimitriou – K. Steiglitz: Combinatorial Optimization: Algorithms and Complexity, 1984
R.J. Vanderbei, Linear Programming:Foundations and Extentions (Kluwer 2001), electronic version: http://www.princeton.edu/~rvdb/LPbook/

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 128

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 21.88 | 16.41 | 20.31 | 22.66 | 18.75 | 0.0 |

**Provides:** prof. RNDr. Katarína Cechlárová, DrSc., RNDr. Andrej Gajdoš, PhD.

**Date of last modification:** 03.05.2015

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/ LTM/10 | **Course name:** Logic and set theory |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 3 / 2 **Per study period:** 42 / 28
**Course method:** present

**Number of ECTS credits:** 6

**Recommended semester/trimester of the course:** 5.

**Course level:** I., II.

**Prerequisities:** ÚMV/MANb/19 and leboÚMV/FRPb/19

**Conditions for course completion:**
Exam

**Learning outcomes:**
To obtain a basic knowledge on the mathematical notion of an infinity. Analysis of the notion of a proof.

**Brief outline of the course:**
Set as a mathematical formularization of an infinity. Properties of the set of reals. Mathematical induction. Relations and mappings.
Finite and countable sets. Cardinality of continuum. Elementary cardinal arithmetics.
Sentential calculus, an axiomatization. Completness Theorem. Methods of proofs. Language of predicate calculus, examples. Axiomatizations of predicate calculus and the notion of a proof. Methods of proofs in predicate calculus.

**Recommended literature:**
E. Mendelson, Introduction to Mathematical Logic, van Nostrand 1964.

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 226

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 10.62 | 18.14 | 20.35 | 15.93 | 32.74 | 2.21 |

**Provides:** doc. RNDr. Jaroslav Ivančo, CSc., Mgr. Adam Marton

**Date of last modification:** 03.05.2015

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/ MAE/10 | **Course name:** Macroeconomics |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 1 **Per study period:** 28 / 14
**Course method:** present

**Number of ECTS credits:** 4

**Recommended semester/trimester of the course:** 5.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Final mark is given based on the results of the tests written during the semester and oral exam, that evaluates the verbal argument about the studied models.

**Learning outcomes:**

**Brief outline of the course:**
Basic macroekonomic notions: Gross domestic product, inflation, unemployment.. Analysis of godds markets. Financial markets. IS-LM model in closed economy. Open economy. IS-LM model in open economy. Models of labour market. Inflation and economic growth. High depth.

**Recommended literature:**
1. Olivier Blanchard, Alessia Amighini, Francesco Giavazzi:MACROECONOMICS, A EUROPEAN PERSPECTIVE, Pearson Education, 2010
2. N.GREGORY MANKIW, MACROECONOMICS, 7th Edition, Harvard University,Worth Publishers 2009

**Course language:**
Slovak and English

**Notes:**

**Course assessment**
Total number of assessed students: 80

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 25.0 | 13.75 | 21.25 | 21.25 | 12.5 | 6.25 |

**Provides:** prof. RNDr. Katarína Cechlárová, DrSc.

**Date of last modification:** 31.01.2019

**Approved:**

## COURSE INFORMATION LETTER

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** ÚMV/ PMA/18 | **Course name:** Math proseminar |
| **Course type, scope and the method:**<br>**Course type:** Practice<br>**Recommended course-load (hours):**<br>**Per week:** 2 **Per study period:** 28<br>**Course method:** present | |
| **Number of ECTS credits:** 0 | |
| **Recommended semester/trimester of the course:** 1. | |
| **Course level:** I. | |
| **Prerequisities:** | |
| **Conditions for course completion:** | |
| **Learning outcomes:** | |
| **Brief outline of the course:** | |
| **Recommended literature:** | |
| **Course language:** | |
| **Notes:** | |
| **Course assessment**<br>Total number of assessed students: 0 | |

| abs | n |
|---|---|
| 0.0 | 0.0 |

| |
|---|
| **Provides:** RNDr. Igor Fabrici, Dr. rer. nat., RNDr. Lenka Halčinová, PhD. |
| **Date of last modification:** |
| **Approved:** |

## COURSE INFORMATION LETTER

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** ÚMV/ MAN2c/10 | **Course name:** Mathematical analysis III |
| **Course type, scope and the method:**<br>**Course type:** Lecture / Practice<br>**Recommended course-load (hours):**<br>**Per week:** 2 / 2 **Per study period:** 28 / 28<br>**Course method:** present | |
| **Number of ECTS credits:** 5 | |
| **Recommended semester/trimester of the course:** 3. | |
| **Course level:** I. | |
| **Prerequisities:** ÚMV/MANb/19 | |
| **Conditions for course completion:**<br>Two written test during semeter and activity student to practice. Final evaluation is given by continuous assessment, written and oral part of the exam. | |
| **Learning outcomes:**<br>The purpose of the course is to provide introductory knowledge in Riemann integral calculus of real functions of one real variable and series of real functions. To develop computational skills in the field and extend the student ability to use this theory in applications.<br>To teach the basic knowledge of the subject mater in the sylabus and develop the ability to use this theory. | |
| **Brief outline of the course:**<br>Definite Riemann integral - definition, elementary properties, calculation methods, applications. Improper Riemann integral. Sequences and series of real functions – pointwise and uniform convergence, properties of the limit function and the sum. Power series, Taylor series and their applications. | |
| **Recommended literature:**<br>1. O. Hutník: Určitý integrál, UPJŠ, Košice, 2012 (in Slovak).<br>2. Brannan, D.: A First Course in Mathematical Analysis, Cambridge University Press, Cambridge 2006.<br>3. Bruckner, A. M. - Bruckner J. B. - Thomson, B. S.: Real Analysis, Second Edition, ClassicalRealAnalysis.com, 2008.<br>4. Zorich, V. A.: Mathematical Analysis I, Springer-Verlag 2002. | |
| **Course language:**<br>Slovak | |
| **Notes:** | |

**Course assessment**
Total number of assessed students: 187

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 12.3 | 13.37 | 14.44 | 17.11 | 35.29 | 7.49 |

**Provides:** doc. RNDr. Ondrej Hutník, PhD., RNDr. Zuzana Ontkovičová

**Date of last modification:** 03.05.2015

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/ MAN1d/10 | **Course name:** Mathematical analysis IV |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 4 / 2 **Per study period:** 56 / 28
**Course method:** present

**Number of ECTS credits:** 7

**Recommended semester/trimester of the course:**

**Course level:** I.

**Prerequisities:** ÚMV/MAN1c/10 and leboÚMV/MAN2c/10

**Conditions for course completion:**
exam

**Learning outcomes:**
Understanding of the basic rigorous ideas of Mathematical Analysis.

**Brief outline of the course:**
Metric spaces. Complete, compact and connected sets. Rings sigma-rings. Measure. Outer measure. Lebesgue measure. Measurable sets. Measurable functions. Legesgue integral. Lebesgue integral versus Riemann integral. Calculations of Lebesgue integrals. Applications.

**Recommended literature:**
B. S. Thomson, J. B. Bruckner, A. M. Bruckner: Elementary Real Analysis, Prentice Hall, 2001.
A. M. Bruckner, J. B. Bruckner, B. S. Thomson: Real Analysis, Prentice Hall, 1997.
T. Neubrunn, B. Riečan: Miera a integrál, Veda, Bratislava, 1981.
B. Riečan, T. Neubrunn: Teória miery, Veda, Bratislava, 1992.
G. S. Nelson, A User-Friendly Introduction to Lebesgue Measure and Integration, American Mathematical Society, 2015

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 99

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 3.03 | 7.07 | 15.15 | 16.16 | 56.57 | 2.02 |

**Provides:** prof. RNDr. Jozef Doboš, CSc.

**Date of last modification:** 04.03.2019

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/ MAN2d/10 | **Course name:** Mathematical analysis IV |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 2 **Per study period:** 28 / 28
**Course method:** present

**Number of ECTS credits:** 5

**Recommended semester/trimester of the course:** 4.

**Course level:** I.

**Prerequisities:** ÚMV/MANb/19

**Conditions for course completion:**
Continuous assessment is taken the form of small tests and two main tests during the semester. Final evaluation is given by continuous assessment (40%), written and oral part of the exam (60%).

**Learning outcomes:**
To teach the basic knowledge of the subject matter in the syllabus and develop the ability to use this theory. The students also learn mathematical culture, notation and mathematical way of thinking and expression.

**Brief outline of the course:**
1. Metric space - Euclidean space, topological properties of points and sets in metric space.
2. Function of several real variables - basic concepts, limits and continuity.
3. Differential calculus of functions of several real variables - partial derivative, differentiability and total differential (also higher order), Taylor polynomials, directional derivative, local and global extrema, constrained local extrema.
4. Double (two dimensional) integral - definition, calculation methods, applications.

**Recommended literature:**
1. L. Kluvánek, I. Mišík, M. Švec: Matematika I, II, SVTL, Bratislava, 1959 (in Slovak).
2. Z. Došlá, O. Došlý: Diferenciální počet funkcí více proměnných, vysokoškolský učebný text, Masarykova univerzita v Brne, Brno, 2003 (in Czech).
3. R. E. Williamson, H. F. Trotter: Multivariable mathematics, Prentice Hall (Pearson), Upper Saddle River, 2004.
4. B. S. Thomson, J. B. Bruckner, A. M. Bruckner: Elementary real analysis, Prentice Hall (Pearson), Lexington, 2008.
5. J. Stewart: Calculus: Early transcendentals, Brooks Cole (Thomson), Toronto, 2008.
6. P. Pták: Calculus II (A course for engineers), ČVUT v Prahe, Praha, 1997.
7. J. Eliaš, J. Horváth, J. Kajan: Zbierka úloh z vyššej matematiky 3, 4, SVTL, Bratislava, 1966 (in Slovak).

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 50

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 28.0 | 20.0 | 22.0 | 12.0 | 16.0 | 2.0 |

**Provides:** RNDr. Lenka Halčinová, PhD.

**Date of last modification:** 03.05.2015

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/MANb/19 | **Course name:** Mathematical analysis of function of real variable |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 4 / 3 **Per study period:** 56 / 42
**Course method:** present

**Number of ECTS credits:** 8

**Recommended semester/trimester of the course:** 2.

**Course level:** I.

**Prerequisities:** ÚMV/FRPa/19

**Conditions for course completion:**
Two written test during semeter and activity student to practice. Final evaluation is given by continuous assessment, written and oral part of the exam.

**Learning outcomes:**
The purpose of the course is to strengthen the knowledge in differential and integral calculus of real functions of one real variable and to develop computational skills in the field.

**Brief outline of the course:**
Limit and continuity of real functions, elementary functions. Differential calculus - derivatives of the first and of higher orders, the basic theorems of differential calculus and their use to study properties and behavior of functions.

**Recommended literature:**
1. Brannan, D.: A First Course in Mathematical Analysis, Cambridge University Press, Cambridge 2006.
2. Bruckner, A. M., Bruckner J. B., Thomson, B. S.: Real Analysis, Second Edition, ClassicalRealAnalysis.com, 2008.
3. Zorich, V. A.: Mathematical Analysis I, Springer-Verlag 2002.

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 290

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 10.34 | 11.03 | 16.55 | 22.76 | 34.48 | 4.83 |

**Provides:** doc. RNDr. Ondrej Hutník, PhD., RNDr. Lenka Halčinová, PhD.

**Date of last modification:** 17.02.2021

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/MRUa/15 | **Course name:** Mathematical problem solving strategies I |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 4.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Evaluation will be awarded on the basis of continuous assessment and final test.

**Learning outcomes:**
To acquaint students with problems and strategies for the solutions of the problems at the primary and secondary school, and with the specific problems of teaching mathematics at primary and secondary school.

**Brief outline of the course:**
Basic knowledge of school mathematics, different strategy of problem solution, problems from mathematical competitions concerning Equations and inequalities and their systems, Functions, Financial Mathematics.

**Recommended literature:**
[1] Hejný, M. a kol., Teória vyučovania matematiky 2. SPN, Bratislava 1989 (in Slovak)
[2] Kopka, J., Hrozny problémů ve školské matematice, Univerzita J. E. Purkyně, Ústí nad Labem 1999 (in Czech)
[3] Učebnice a zbierky úloh z matematiky ZŠ a SŠ (in Slovak)

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 188

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 31.38 | 20.74 | 23.94 | 11.7 | 11.17 | 1.06 |

**Provides:** doc. RNDr. Stanislav Lukáč, PhD.

**Date of last modification:** 03.05.2015

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/MRUb/15 | **Course name:** Mathematical problem solving strategies II |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 5.

**Course level:** I.

**Prerequisities:** ÚMV/MRUa/15

**Conditions for course completion:**
The award is based on the results of written checks carried out during the semester.
The resulting trial is granted on the basis of continuous assessment and seminar work.

**Learning outcomes:**
To acquaint students with problems and strategies for the solutions of the problems at the primary and secondary school, and with the specific problems of teaching mathematics at primary and secondary school.

**Brief outline of the course:**
Basic knowledge of school mathematics, various methods for the task, the role of mathematical competitions for thematic units Planimetry, stereometry, goniometery.

**Recommended literature:**
[1] Hejný, M. a kol., Teória vyučovania matematiky 2. SPN, Bratislava 1989 (in Slovak)
[2] Kopka, J., Hrozny problémů ve školské matematice, Univerzita J. E. Purkyně, Ústí nad Labem 1999 (in Czech)
[3] Jonson-Wilder.S., Mason.J.: Developing thinking in Geometry, Sage, 2009
[4] Učebnice a zbierky úloh z matematiky ZŠ a SŠ

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 152

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 31.58 | 30.26 | 24.34 | 9.21 | 4.61 | 0.0 |

**Provides:** doc. RNDr. Dušan Šveda, CSc.

**Date of last modification:** 03.05.2015

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/ MRUc/15 | **Course name:** Mathematical problem solving strategies III |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 6.

**Course level:** I.

**Prerequisities:** ÚMV/MRUb/15

**Conditions for course completion:**
During the semester will be 3 written exams.
Evaluation A - at least 90% of the points, evaluation B - at least 80%, evaluation C at least 70%, evaluation D at least 60%, evaluation E rating of at least 50% of the points. Credits shall not be granted to a student who receives less than 50% of the points.

**Learning outcomes:**
Students become familiar with the tasks, methods of problem solving, solving strategies and with specific problems of teaching mathematics at primary and secondary schools to topics combinatorics, probability and statistics.

**Brief outline of the course:**
Basic knowledge of school mathematics, from the topics: combinatorics, probability and statistics.

**Recommended literature:**
Hecht, T., Sklenáriková, Z., Metódy riešenia matematických úloh, Bratislava, SPN, 1992. (in slovak)
Hecht, T. a kol., Matematika pre 1.-4. ročník gymnázií a SOŠ, OrbisPictusIstropolitana, Bratislava 1999-2002. (in slovak)
Krantz, S.G., Techniques of Problem Solving, AMS, 1997.
Larson, L.C., Metódy riešenia matematických problémov, Bratislava, Alfa, 1990. (in slovak)

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 156

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 30.77 | 30.77 | 22.44 | 10.26 | 5.77 | 0.0 |

**Provides:** doc. RNDr. Ingrid Semanišinová, PhD.

**Date of last modification:** 03.05.2015

| **Approved:** |
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## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/ MST/19 | **Course name:** Mathematical statistics |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 2 **Per study period:** 28 / 28
**Course method:** present

**Number of ECTS credits:** 5

**Recommended semester/trimester of the course:**

**Course level:** I., II.

**Prerequisities:**

**Conditions for course completion:**
To obtain at least 50% in two written tests during the semester. Total evaluation based on written tests and oral exam.

**Learning outcomes:**
Student should obtain the knowledge about basic statistical methods and the ability to apply theoretical knowledge in practical problems solving.

**Brief outline of the course:**
Random vectors, their distributions and characteristics. Joint and marginal distributions. Correlation and regression, properties of correlation coefficient. Random sample, sampling distributions and characteristics. Some important statistics and their distributions. Point estimators and their properties. Maximum likelihood method. Interval estimates, confidence interval construction.Testing of statistical hypothesis, critical region, level of significance. Methods for searching optimal critical regions. Some important parametric and nonparametric tests.

**Recommended literature:**

1. Skřivánková V.: Pravdepodobnosť v príkladoch, UPJŠ, Košice, 2006 (in Slovak)
2. Skřivánková V.-Hančová M.: Štatistika v príkladoch, UPJŠ, Košice, 2005 (in Slovak)
3. CASELLA, G., BERGER, R., Statistical Inference, 2nd ed., Duxbury Press, 2002
4. DeGroot, M. H., Schervish, M. J.: Probability and Statistics, 4th ed., Pearson, Boston, 2012
5. Utts, J.M., Heckard, R.F.: Mind od Statistics, 5th ed., Thomson Brooks/Cole, 2014
6. Anděl J.: Základy matematické statistiky, MatfyzPress, Praha, 2011 (in Czech)


**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 125

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 20.8 | 21.6 | 15.2 | 21.6 | 13.6 | 7.2 |

| |
|---|
| **Provides:** RNDr. Martina Hančová, PhD. |
| **Date of last modification:** 18.03.2019 |
| **Approved:** |

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/ MTM/14 | **Course name:** Mathematics |
|---|---|

**Course type, scope and the method:**
**Course type:**
**Recommended course-load (hours):**
**Per week: Per study period:**
**Course method:** present

**Number of ECTS credits:** 1

**Recommended semester/trimester of the course:**

**Course level:** I.

**Prerequisities:** ÚMV/MAN2c/10,ÚMV/ALG2b/10,ÚMV/ATC/10

**Conditions for course completion:**
Acquiring the required number of credits in the structure defined by the study plan.

**Learning outcomes:**
Evaluation of student‘s competences with respect to the profile of the graduate.

**Brief outline of the course:**

**Recommended literature:**

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 73

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 31.51 | 19.18 | 23.29 | 16.44 | 9.59 | 0.0 |

**Provides:**

**Date of last modification:** 21.05.2016

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** KPPaPZ/ MMOSP/15 | **Course name:** Methodology of Teaching Psychology |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 3

**Recommended semester/trimester of the course:** 1.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**
The teaching of the subject is realized with an emphasis on the activity and independence of students.
Science in pedagogy and psychology. Scientific research, scientific thinking. Ethical issues of scientific research. The language of science.
How to write a scientific article, presentation, poster, qualification work. Interpretation of findings, integration of findings into context.
Topic selection, material search, research problem creation. Hypothesis, variable. Types of research plans. Reliability and validity of research
Research sample, methods of sample selection. Preliminary research.
Data collection techniques - questionnaire, experiments, introduction to qualitative methodology, observation, interview.
Viac o tomto zdrojovom texteNa získanie ďalších informácií o preklade sa vyžaduje zdrojový text
Odoslať spätnú väzbu
Bočné panely

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 189

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 4.76 | 12.17 | 21.69 | 25.4 | 28.04 | 7.94 |

**Provides:** PhDr. Anna Janovská, PhD.

**Date of last modification:** 28.06.2021

| **Approved:** |
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## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/ MIE/13 | **Course name:** Microeconomics |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 1 **Per study period:** 28 / 14
**Course method:** present

**Number of ECTS credits:** 4

**Recommended semester/trimester of the course:** 5.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
The minimum necessary number of points from tests written during semester is 50%, plus the ability of verbal argumentation in the final oral exam.

**Learning outcomes:**
Understanding of basic principles of microeconomics and ability to apply them in practical situations.

**Brief outline of the course:**
Economics and economy. Supply and demand. Consumer Theory. Theory of firm. Perfect competition. Monopoly. Labour market. Market failure. Externalities and Public goods.

**Recommended literature:**
1. http://umv.science.upjs.sk/cechlarova/MIE/MIE.htm - podklady k prednáška, testy na cvičenia, materiály z dennej tlače
2. H.L. Varian, Intermediate Mikroekonomics, WW Norton, 1993
3. J.M. Perloff, Microeconomics, 6th Edtion, Addison Wesley, 2012
4. J. Sloman, Economics, 6th Edition, Prentice Hall, 2006

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 79

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 22.78 | 24.05 | 17.72 | 18.99 | 13.92 | 2.53 |

**Provides:** prof. RNDr. Katarína Cechlárová, DrSc., RNDr. Veronika Jurková, PhD.

**Date of last modification:** 03.05.2015

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** KPE/ MMKV/17 | **Course name:** Multiculturalism and Multicultural Education |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 4.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 119

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 43.7 | 37.82 | 16.81 | 0.84 | 0.84 | 0.0 |

**Provides:** PaedDr. Michal Novocký, PhD.

**Date of last modification:** 08.06.2021

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚBEV/ NATM/15 | **Course name:** Neuroanatomy |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 3 **Per study period:** 28 / 42
**Course method:** present

**Number of ECTS credits:** 5

**Recommended semester/trimester of the course:** 2.

**Course level:** I., II.

**Prerequisities:**

**Conditions for course completion:**

**Learning outcomes:**
To provide the students with basic knowledge, principles and function of human nervous system.

**Brief outline of the course:**
Introduction to neuroanatomy, development,classification of the Nervous System,dividing of the Nervous System (CNS and PNS), Spinal Cord and Spinal Nerves (structure, reflexes, gray matters and intrinsic pathways,Ascendig, Descending Tracts), Brain Stem and Cranial Nerves, Cerebellum, Diencephalon, Telencephalon,Limbic System, Cerebrospinal Fluid System, Vegetative Nervous System, Functional Systems (Motor systems - pyramidal tract,extrapyramidal Motor System,motor pathway), (Sensory system - pathway of Epicritic Senzibility, Pathway of Prothopatic Sensibility, Optic Pathway, Auditory Trct, Vestibular Tract)

**Recommended literature:**
Kahle W., Leonhardt H., Platzer W.: Color Atlas and Textbook of Human Anatomy, Volume 3. Nervous System and Sensory Organs, 1993 Georg Thieme Verlag Stuttgart, New York
Hendelman W.J.: Atlas of functional neuroanatomy CRC Press LLC, 2000
Kopf-Mäier P.: Wolf-Heideggers Atlas of Human Anatomy Kärger, 2000
Miklošová M.: Anátómia PF, UPJŠ, 2011, Equilibria
Haines,D.E.: Neuroanatomy, Lippincott Williams,Wilkins, 2011

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 148

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 11.49 | 13.51 | 24.32 | 21.62 | 15.54 | 13.51 |

**Provides:** doc. RNDr. Juraj Ševc, PhD., Mgr. René Šebeňa, PhD.

**Date of last modification:** 03.05.2015

| **Approved:** |
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## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/ TCS/10 | **Course name:** Number theory |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 3

**Recommended semester/trimester of the course:** 5.

**Course level:** I.

**Prerequisities:** ÚMV/ATC/10

**Conditions for course completion:**
According to tests and exam.

**Learning outcomes:**
To obtain knowledge on quadratic congruences.

**Brief outline of the course:**
Chinese remainder theorem, Euler function, quadratic congruences, Pythagorean equation.

**Recommended literature:**
M. B. Nathanson: Elementary Methods in Number Theory. Springer, 2000.
H. E. Rose: A Course in Number Theory. Clarendon Press, Oxford, 1994.

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 104

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 34.62 | 26.92 | 22.12 | 14.42 | 1.92 | 0.0 |

**Provides:** doc. RNDr. Matúš Harminc, CSc.

**Date of last modification:** 03.05.2015

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** KPE/Pg/15 | **Course name:** Pedagogy |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 3., 5.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 639

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 20.03 | 27.07 | 25.98 | 15.65 | 10.49 | 0.78 |

**Provides:** PaedDr. Michal Novocký, PhD.

**Date of last modification:** 08.06.2021

**Approved:**

**COURSE INFORMATION LETTER**

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** KPPaPZ/PP/15 | **Course name:** Positive Psychology |

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 4., 6.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Assessment is based on interim evaluation. The subject will be taught in both present and distance format. Up-to-date information concerning the subject for the given academic year can be found on the electronic board of the subject in the Academic information system of the UPJŠ.

**Learning outcomes:**
The aim of the course is to leanrn about the the basic theory and current research, as well as the possibility of application of Positive Psychology as a new and rapidly developing field of psychology. The aim of the subject is mainly to develop and apply critical thinking to the challenges and issues that Positive Psychology brings and raises in the context of the individual in contemporary society. Emphasis is placed on the ability to independently and critically process current topics of positive psychology.

**Brief outline of the course:**
1. Different perspectives on well-being nad happiness in psychology
2. Main theoretical approaches to positive psychology
3. Positive emotions and positivity
4. Meaningfulness
5. Positive interpersonal relations
6. Post-traumatic growth
7. Hope and optimism
8. Gratitude
9. Spirituality as a personality dimension
10. Wisdom
11. Positive institutions
12. New themes and topics in PP

**Recommended literature:**
Brewer, M. B, Hwestone, M: Emotion and Motivation, Blackwell, 2004
Deci, E., Ryan R. M., Handbook of Self – Determination Reasearch, Rochester, 2002
Křivohlavý, J.: Pozitivní psychologie. Praha, Portál, 2003
Křivohlavý, J.: Psychologie vděčnosti a nevděčnosti. Praha, Grada, 2007
Křivohlavý, J.: Psychologie moudrosti a dobrého života, Praha, Grada, 2012

Křivohlavý, J.: Psychologie pocitu štěstí, Grada, 2013
McAdams, D. P., The Person, New York, 2002
Seligman, M. E. P., & Csikszentmihalyi, M. (Eds.). (2000). Positive psychology [Special issue] American Psychologist, 55(1).
Říčan, P.: Psychologie náboženství a spirituality, Praha, Portál, 2007
Slezáčková, A.:Pruvodce pozitivní psychologií, Praha, Grada, 2012

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 280

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 98.21 | 1.07 | 0.36 | 0.0 | 0.36 | 0.0 |

**Provides:** Mgr. Jozef Benka, PhD. et PhD.

**Date of last modification:** 25.06.2021

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/ TPP/19 | **Course name:** Probability theory |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 2 **Per study period:** 28 / 28
**Course method:** present

**Number of ECTS credits:** 5

**Recommended semester/trimester of the course:** 4.

**Course level:** I.

**Prerequisities:** ÚMV/MAN1c/10 and leboÚMV/MAN2c/10 and leboÚMV/FRPa/19

**Conditions for course completion:**
To obtain at least 50% in two written tests during the semester.
Total evaluation based on written tests and oral exam.

**Learning outcomes:**
To obtain knowledge of the axiomatic theory of probability, random variables and their characteristics, special types of distributions and their applications.

**Brief outline of the course:**
Probability space, definitions and properties of probability. Conditional probability and independence. Random variables, their distribution function and characteristics. Mean, variance and skewness.. Discrete and absolutely continuous distributions. Quantile and characteristic functions, their properties. Relation between characteristic function and moments. Median and mode. Transformation of random variables. Special types of distributions with applications (binomial, Poisson, geometric, uniform, exponential, normal, chí-square, Student, Fisher). Central limit theorem.

**Recommended literature:**
1. Skřivánková V.: Pravdepodobnosť v príkladoch, UPJŠ, Košice, 2006 (in Slovak)
2. DeGroot, M. H., Schervish, M. J.: Probability and Statistics, 4th ed., Pearson, Boston, 2012
3. Evans, M. J., Rosenthal, J. S.: Probability and Statistics: The Science of Uncertainty, 2nd Ed., W. H. Freeman, 2009
4. Riečan et al.: Pravdepodobnosť a matematická štatistika, Alfa, Bratislava, 1984 (in Slovak)

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 306

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 12.42 | 14.05 | 19.28 | 23.2 | 22.55 | 8.5 |

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| **Provides:** RNDr. Daniel Klein, PhD. |
| **Date of last modification:** 11.03.2019 |
| **Approved:** |

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** CJP/ PFAJPSYCH1/07 | **Course name:** Professional English for Psychology 1 |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 1., 3.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
active seminar participation (2x90 min. absences tolerated).
2 tests (6th/7th week, 12th/13th week), no retake. Home assignments.
Oral presentation (PASS/FAIL evaluation), sumission of distance learning assignments before given deadlines.
Combined method of instruction.
In case of full distance learning, testing, oral presenations and face-to-face sessions will be carried out online, in accordance with the course syllabus.
Final assessment = the average obtained in tests.
Grading scale: A 93-100%, B 86-92%, C 79-85%, D 72-78%, E 65-71%, FX 64% and less.

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**
Short, J.: English for Psychology in Higher Education Studies. Garnet Publishing Ltd., 2010.
Murphy, R.: English Grammar in Use. A self-study reference and practice book for intermediate students. CUP, 1994.
Seal, B.: Academic Encounters. Reading, Study Skills and Writing. Content Focus – Human Behavior. CUP, 1997
Espeseth, M.: Academic Encounters. Human Behavior. CUP, 1999
http://www.bbc.co.uk/worldservice/learningenglish

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 101

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 29.7 | 19.8 | 14.85 | 10.89 | 8.91 | 15.84 |

**Provides:** Mgr. Zuzana Kolaříková, PhD.

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| **Date of last modification:** 20.09.2020 |
| **Approved:** |

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** CJP/ PFAJPSYCH2/07 | **Course name:** Professional English for Psychology 2 |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 2., 4.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Distance mode of instruction.
Active online-session participation, max. 1 absence. 2 tests (6th/7th week, 12th/13th week), no retake. Oral presentation (PASS/FAIL evaluation), sumission of distance learning assignments on given deadlines.
Final assessment = the average obtained in tests. Grading scale: A 93-100%, B 86-92%, C 79-85%, D 72-78%, E 65-71%, FX 64% and less.

**Learning outcomes:**
The development of language skills (reading, listening, speaking), improvement of linguistic competence (fonological, lexical and syntactic aspects), and pragmatic competence with focus on English for specific/professional purposes - Psychology, presentation skills, level B2/C1.

**Brief outline of the course:**
Memory. Short-term, long-term memory. Theories of forgetting. Memory and hypnosis. Mental illnesses. Common myths about mental illnesses. Personality theories. Trait theory. Measuring personality. Modern addictions. Eating disorders. Functional grammar - argumenting, expressing opinion. Presentation skills - sign-posting language, structure of presentation, discussion participation, etc.

**Recommended literature:**
Short, J.: English for Psychology in Higher Education Studies. Garnet Publishing Ltd., 2010

**Course language:**
English, level B2 according to CEFR

**Notes:**

**Course assessment**
Total number of assessed students: 37

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 32.43 | 13.51 | 16.22 | 10.81 | 16.22 | 10.81 |

**Provides:** Mgr. Zuzana Kolaříková, PhD., Mgr. Lenka Klimčáková

| |
|---|
| **Date of last modification:** 11.02.2021 |
| **Approved:** |

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** KPPaPZ/PAN/07 | **Course name:** Psychological Aspects of Unemployment |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 4., 6.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Active participation at classes, preparation and prezentation of seminar paper, final exam.

**Learning outcomes:**
Graduate will understand unemployment issue, the issue of the effect of unemployment on the individual as well as the family system. The student will learn about psychological work with unemployed individuals and their families.

**Brief outline of the course:**
Psychological meaning of work. Job loss as a stressful event. Short-term and long-term unemployment. Coping with unemployment. Risk groups of unemployed (school-leavers, long-term unemploymed, old persons, women with small children, low qualified). Unemployed and the family. PSychological counceling for unemployed person.

**Recommended literature:**
Buchtová et al. (2013). Nezaměstnanost. Grada.
Schraggeová, M. (2011). NEzamestnanosť v psychologických súvislostiach. Psychoprof.
Sleskova (2006). Unemployment and the health of Slovak adolescents.

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 63

| abs | n | z |
|---|---|---|
| 100.0 | 0.0 | 0.0 |

**Provides:** Mgr. Mária Bačíková, PhD.

**Date of last modification:** 16.02.2021

**Approved:**

## COURSE INFORMATION LETTER

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|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** KPPaPZ/P/15 | **Course name:** Psychology |
| **Course type, scope and the method:**<br>**Course type:**<br>**Recommended course-load (hours):**<br>**Per week: Per study period:**<br>**Course method:** present | |
| **Number of ECTS credits:** 1 | |
| **Recommended semester/trimester of the course:** | |
| **Course level:** I. | |
| **Prerequisities:** KPS/PEM/05,KPS/KOGPS/11,KPPaPZ/PSO/09 | |
| **Conditions for course completion:**<br>Obtaining the required number of credits in the prescribed composition by the study plan. | |
| **Learning outcomes:**<br>Verification of acquired competencies of the student in accordance with the profile of the graduate. | |
| **Brief outline of the course:**<br>Psychology of cognition, emotions and motivation, personalitiesThemical areas for the state exam in Psychology MOS psychologyPsychological aspects of human cognition. History of cognitive psychology. General characteristics of human cognition, models of cognition. Perception. Sensory and perceptual processes. Basic issues of receiving information, organization of the perceptual field and object recognition. Theories and models of these processes. Attention. Basic functions and properties of attention. Theories of selection and division of attention. Memory and learning. Types of memory. Forgetting. Conditioning and other forms of learning. New memory approaches. Imagination. Basic characteristics of imagination and imagination. Theory of imagination. Types of ideas. Thinking. Basic thought operations. Concepts. Thinking, language and speech. Judgment. Decision making and problem solving. Theories and models of decision making. Creativity Intelligence. Definitions. History of IQ detection. Approaches and theories. Psychology of emotions. Definition of basic terms: emotion, emotion, emotional behavior, emotional states, emotional episodes, moods. Emotional situations. Functions of emotions. Emotion regulation and emotional intelligence. Coping and emotions. Traditional and contemporary approaches to the study of emotions: Philosophical, historical, biological, neurophysiological and psychological approach to the study of emotions. Evolutionary psychological and psychophysiological theory of emotions. Cognitive approaches to explaining emotions. Voice communication of emotions and facial expressions. Functional approach to emotions. Intrapersonal, social and developmental function of emotions. Classification of emotions. Characteristics and research findings related to basic emotions: Joy and happiness. Love and affection. Hate and anger. Fear and sadness. Resistance, disgust and anger. Emotions associated with JA. The concept of motivation, motive. Categorization of motifs. Primary and secondary motives. Performance motives. Social motives. Approaches to the study of motivation. Classical approaches and theories: Theory of instincts and instincts. Basic homeostatic models. Humanistic theories of motivation. Performance motivation theory, attribution motivation theory and cognitive approaches to motivation. Selected current approaches to the study | |

of motivation. Theories based on expectations, current interests, reasons for involvement. Theories integrating expectation and value. Theories of motivation and choice. Focus on psychodynamic forces, general tendencies of the representatives of this group of Personality Psychology. Evaluation of the Classical Psychoanalysis by Sigmund Freud. Psychoanalytic Tradition and Ego-Psychology. Evaluation of current Psychoanalytic Theory. Permanent personality traits according to the Analytical Psychology of C. G. Jung. Evaluation of Jungian Theory in Personality Psychology. Main characteristics of A. Adler's Individual Psychology. The focus of research and evaluation of Individual Psychology by A. Adler. Interpersonal dynamics and its evaluation in Personality Psychology. Focus on the surviving person and evaluation of the personality theory of the representatives of the Humanistic and Holistic approach. Existential psychology of personality and Phenomenological approach to personality. Personality structure according to K. Lewin and a critique of Lewin's theory.G. Kelly's theory of personal constructs and critique of Kelly's theory. Emphasis on lasting characteristics; evaluation of the contribution of theorists of Personality Psychology: H. Murray and G. Allport. Evaluation of W. H. Sheldon's contribution in Personality Psychology. Evaluation of the theory of R. Cattell and H. J. Eysenck in Personality Psychology. Structural models of personality traits. Three-factor personality models and Big five. Evaluation of the Theory of Social Learning in the Context of Contemporary Personality Psychology.

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**

Total number of assessed students: 54

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 14.81 | 20.37 | 22.22 | 25.93 | 14.81 | 1.85 |

**Provides:**

**Date of last modification:** 19.02.2021

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** KPPaPZ/Ps/15 | **Course name:** Psychology |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 1.

**Course level:** I., II.

**Prerequisities:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 517

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 22.82 | 16.05 | 21.66 | 18.57 | 17.99 | 2.9 |

**Provides:** PhDr. Anna Janovská, PhD., Mgr. Ondrej Kalina, PhD.

**Date of last modification:** 28.06.2021

**Approved:**

**COURSE INFORMATION LETTER**

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** KPS/ PEM/05 | **Course name:** Psychology of Emotions and Motivation |

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 2 **Per study period:** 28 / 28
**Course method:** present

**Number of ECTS credits:** 6

**Recommended semester/trimester of the course:** 1.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Interim evaluation of 40%
1. 2x credit tests (after part about emotions and after part about motivations, 2 x 15b, max 30b, min 15b).
2. activity in seminars (max 10b, min 10b).
60% final evaluation - written exam (in the exam period), max. 60b, min. 31b.
Overall score: A (100-90b), B (80-89b), C (70-79b), D (60-69b), E (51-59b), FX (50b and less).

**Learning outcomes:**
The aim of the subject is to give students a systematic explanation of the basics of psychological knowledge about emotions and motivation with an emphasis on the interpretation of the latest research findings. Upon successful completion of the course, students are well versed in the basic concepts / terminology of the course. They can also identify the basic characteristics of different approaches to emotions and motivation and are able to distinguish between them. Based on the acquired knowledge, they are able to understand them and perceive individual approaches in the context of the genesis of their empirical research. Through exercises, students deepen their knowledge in the subject matter and train their skills to use the acquired knowledge in a relevant way, to think about it independently and critically, and to apply it adequately to practical / model cases.

**Brief outline of the course:**
1 Psychology of emotion and motivation - definition of basic concepts. The relationship of emotion and motivation. 2 Traditional approaches to the study of emotions - historical, philosophical, biological, social and psychological approaches. 3 Evolutionary psychological and psycho-physiological theory of emotions. 4 Vocal communication of emotions and facial expressions. 5 Regulation of emotions. 6 Function, development and education of emotions. 7 Basic concepts of psychology of motivation. 8 Classical approaches to the study of motivation. Homeostatic theories of motivation. 9 Humanistic theory of motivation. 10 Achievement motivation. 11 Attribution theory and cognitive approaches. 12 Current theories of motivation.

**Recommended literature:**
Required
1. Lectures

2. PLHÁKOVÁ, A.: Textbook of General Psychology. Praha, Academia, 2003, s..319-444.
3. STUCHLÍKOVÁ, I.: Basics of the Psychology of emotions. Praha : Portál, 2002.
Recommended texts:
1. LEWIS, M.-HAVILAND-JONES, J.: Handbook of emotions. 2.ed.New York, London: The Guilford Press, 2004. ISBN 1-59385-0029-2.
2. GORMAN, P.: Motivation and Emotion: Textbook. London: Routledge. 2002.
3. MADSEN, K.B.. Modern Theory of Motivation. Praha: Academia, 1979.
4. IZARD, C. et al.:Temperament, cognitive ability, emotion knowledge, and adaptive social behavior. Imagination, cognition and personality, roč, 19, 1999-2000, č.4, s.305-309 vrátane
5. JAMES, W. Principles of Psychology. The emotion.1890 (od genézy emócií) Prístupné:http:// www.des.emory.edu/mfp/james.html
6. ATKINSON, J. W.: Personality Dynamics, s. 263-267 (ffweb)
7. GREWAL, D. - SALOVEY, P: Feeling Smart: A Science of Emotional Intelligence: American Scientist, roč. 93, 2005, č. 4, s. 330-339
8. GASPER, K.- BRAMESFELD, K.: Imparting wisdom: Magda Arnold´s contribution to research on emotion and motivation. Preview. In Cognition and Emotion. vol 20, 2006, c. 7, s. 1001-1013.
9. DECI, E. L., & RYAN, R. M. (2008). Self-Determination Theory: A Macrotheory of Human Motivation, Development, and Health. Canadian Psychology, 49(3), 182-185.
10. McCLELLAND, D. C. (1967). Money as a Motivator: Some Research Insights. Mckinsey Quarterly, 4(2), 10-21.
11. WEINER, B. (2010). The Development of an Attribution-Based Theory of Motivation: A History of Ideas. Educational Psychologist, 45(1), 28-36.
12. MASLOW, A.: Theory of Human Motivation. Psychological Review 1943 50, 370-396.
13. EDWARD L. DECI: On The Nature And Eunctions of Motivation Theories. Psychological Science, Vol. 3, No. 3, May 1992, S. 167-171
14. LEWIS, M., HAVILAND-JONES, J.M., FELDMAN BARRETT, L.: Handbook of Emotions. Third ed. New York, Guilford Press, 2010. ISBN 978-1-60918-044-7

**Course language:**
Slovak language

**Notes:**
Lectures and seminars will take place in person or online (depending on the current situation). Study materials will be accessible to students through OneDrive.

**Course assessment**
Total number of assessed students: 1363

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 11.52 | 12.62 | 18.42 | 23.26 | 21.5 | 12.69 |

**Provides:** PhDr. Bibiána Kováčová Holevová, PhD., Mgr. Ondrej Kalina, PhD.

**Date of last modification:** 21.06.2021

**Approved:**

**COURSE INFORMATION LETTER**

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** KPPaPZ/PKŽ/15 | **Course name:** Psychology of Everyday Life |

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 3.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
The evaluation of the course and its subsequent completion will be based on clearly and objectively set requirements, which will be set in advance and will not change. The aim of the assessment is to ensure an objective and fair mapping of the student's knowledge while adhering to all ethical and moral standards. There is no tolerance for students' fraudulent behavior, whether in the teaching process or in the assessment process.
1. Active participation in seminars
2. Elaboration and presentation of PPT presentation on the assigned topic. Maximum number of points 20; minimum number of points 11.
3. Elaboration of an essay in the range of 4xA4 (standard pages). Maximum number of points 20; minimum number of points 11.
The final evaluation (grade) is the sum of points for the presentation and the essay.
A 40b - 37b
B 36b - 33b
C 32b - 29b
D 28b - 25b
E 24b - 21b
FX 20b - 0b

**Learning outcomes:**
The student is able to demonstrate an understanding of the individual's behavior in selected everyday situations such as conflict, group influence, empathy, helping, aggression, etc.
The student is able to describe, explain and evaluate the psychological mechanisms that occur in everyday situations.
The student is able to apply basic psychological knowledge to himself (self-regulation) but also in interaction with others (cooperation).
The method of teaching the subject will be oriented to the student. Speakers will be interested in the needs, expectations and opinions of students so as to encourage them to think critically by expressing respect and feedback on their opinions and needs.
The content of the curriculum will be based on primary and high-quality sources that will reflect the topicality of the topics so as to ensure the connection of the curriculum with other subjects and also

the connection of the curriculum with practice. Students will be expected to take an active approach in lectures and seminars with an emphasis on their independence and responsibility.

**Brief outline of the course:**
How to understand human behavior (overview of basic approaches in psychology); Basic overview of cognitive processes; Learning processes and their use in practice; Social influences, prosocial and antisocial behavior; How human emotions and motivations work; Deciding - why and when we take risks; Childhood experiences and their relationship to adulthood; Abnormal behavior, mental disorders and therapeutic approaches

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 164

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 51.22 | 14.02 | 25.61 | 6.71 | 1.83 | 0.61 |

**Provides:** Mgr. Ondrej Kalina, PhD.

**Date of last modification:** 24.06.2021

**Approved:**

## COURSE INFORMATION LETTER

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** KPPaPZ/PSO/09 | **Course name:** Psychology of Personality |

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 2 **Per study period:** 28 / 28
**Course method:** present

**Number of ECTS credits:** 6

**Recommended semester/trimester of the course:** 3.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Assessment Maximum 40 points during the semester (Three assignments).
Exam entry criteria: Active participation in exercises and at least 30 points obtained during the semester.
Continuous assessment (40%) and written examination (60%).
Electronic board of the course AIS2 - more information and news.
Final evaluation: A 87 – 100 B 77 – 86 C 69 – 76 D 61 – 68 E 56 – 60 FX 55 and less
Combined method.

**Learning outcomes:**
Students will gain an understanding of the role of personality theory in psychology and ways in which personality is assessed and explored, critically evaluate and compare different teories of personality.

**Brief outline of the course:**
1. History of Personality Psychology. Personality as a topic of psychology.
2. Focus on psychodynamic strengths: Classical psychoanalysis, personality as hierarchic arrangement of functionally differentiated layers in Sigmund Freud's theory. Current psychoanalytical theory (ego as an equal partner/A. Freud, autonomous ego/H. Hartmann.
3. Focus on psychodynamic strengths: Analytical psychology (C. G. Jung/ features of personality, dynamics, and development of personality).
4. Interpersonal dynamics (A. Adler, K. Horney, E. Fromm, H. S. Sullivan)
5. Focus on human experience: Holism and humanism (Kurt Goldstein, A. Maslow, C. Rogers theory of Self, dynamics, development of personality. Critics of humanistic approach.
6. Focus on human experience: Phenomenology and existential psychology (the main points of existentialism, shaping psychology, phenomenological approach to personality, phenomenal self). Logotherapy (Freedom of will, will to meaning, meaning of life, existential vacuum).
7. Cognitive theory of personality of G. A. Kelly. Emphasis on permanent characteristics: Personology. Structure and dynamics of personality by G. Allport. Emphasis on permanent characteristics: Constitutional psychology.
8. Structural analysis of personality, concept of personal features.
9. Emphasis on Learning.

**Recommended literature:**

HALL, C.S., LINDZEY, G. (1997). Psychológia osobnosti. Bratislava: SPN.
HŘEBÍČKOVÁ, M. (2011). Pětifaktorový model v psychologii osobnosti. Grada Publishing as.
JOHN, O. P., ROBINS, R. W., & PERVIN, L. A. (Eds.). (2008). Handbook of personality: Theory and research (3rd edition). New York: Guilford.
BLATNÝ, M. a kol. (2010). Psychologie osobnosti. Hlasní témata, současné přístupy. Praha: Grada.
VAGNEROVÁ, M. (2010). Psychologie osobnosti. Praha: Karolinum.
NAKONEČNÝ, M. (2009). Psychologie osobnosti. Praha: Academia.
DRAPELA, K. (1997). Přehled teórii osobnosti. Praha: Portal.
VÝROST, J., RUISEL, I. (Eds.) (2000). Kapitoly z psychológie osobnosti. Bratislava: Veda.
ŘÍČAN, P. (2007). Psychologie osobnosti. Praha: Grada 2007.
SMÉKAL, V. (2002). Psychologie osobnosti. Člověk v zrcadle vědomí a jednání. Praha: Barrister&Principal.

**Course language:**
slovak

**Notes:**

**Course assessment**
Total number of assessed students: 1342

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 17.66 | 18.85 | 21.68 | 20.19 | 18.03 | 3.58 |

**Provides:** prof. PhDr. Oľga Orosová, CSc., Mgr. Miroslava Köverová, PhD., Mgr. Jozef Benka, PhD. et PhD.

**Date of last modification:** 24.06.2021

**Approved:**

**COURSE INFORMATION LETTER**

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** KPPaPZ/RP1/08 | **Course name:** Research Project |

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 6

**Recommended semester/trimester of the course:** 3.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Conditions for passing the course:
Continuous assessment is carried out throughout the semester. It concerns the control of procedures on the project, which the student is obliged to do in the prescribed
deadlines (proposal of the topic with an outline of literary sources and goals - submission of the theoretical part - data collection - statistical data analysis - final writing). Detailed dates and instructions will be updated.
Final evaluation: realization of a research study, defense of the study

**Learning outcomes:**
The graduate of the course will understand and apply in practice the knowledge of completed theoretical subjects - Methodology for interdisciplinary study and Introduction to statistical methods for interdisciplinary study. With its practical focus, the subject contributes to the development of students' professional skills. The result of the completed course will be a short research study focused on some of the current topics of psychology.

**Brief outline of the course:**
1. Preparation of a research project.
2. Searching for theoretical sources.
3. Work with literature, citation.
4. Structure of a scientific article.
5. Implementation of research - practical advice and procedures.
6. Processing of research results - work with SPSS.
7. Processing of research results - tables and graphs.
8. Processing research results - writing a scientific article.
9. Presentation of research results.

**Recommended literature:**
Katuščák, D. (2004). Ako písať záverečné a kvalifikačné práce. Enigma, Bratislava.
Kimlička, Š. (2006). Metodika písania vysokoškolských a kvalifikačných prác. UK v Bratislave.
Bačíková, M., Janovská, A., Orosová, O. (2019) Základy metodológie pedagogicko-psychologického výskumu. Šafárik Press, Košice.
Žiaková, E., Lisnik, A., Greňová, K. (2014). Návod na písanie záverečných prác. UPJŠ, Košice.

domáce a zahraničné publikácie súvisiace s témou projektu

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 3

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 66.67 | 0.0 | 0.0 | 33.33 | 0.0 | 0.0 |

**Provides:** Mgr. Mária Bačíková, PhD.

**Date of last modification:** 24.06.2021

**Approved:**

## COURSE INFORMATION LETTER

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** KPPaPZ/RKS/14 | **Course name:** Resolving Conflict Situations in Educational Practice |

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 1 / 2 **Per study period:** 14 / 28
**Course method:** present

**Number of ECTS credits:** 4

**Recommended semester/trimester of the course:** 3., 5.

**Course level:** I., N

**Prerequisities:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 100

| abs | n |
|---|---|
| 96.0 | 4.0 |

**Provides:** PhDr. Anna Janovská, PhD., Mgr. Lucia Barbierik, PhD.

**Date of last modification:** 28.06.2021

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** KPE/ OLŠ/15 | **Course name:** School Administration and Legislation |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 3., 5.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 234

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 44.44 | 26.92 | 17.09 | 7.69 | 2.99 | 0.85 |

**Provides:** doc. PaedDr. Renáta Orosová, PhD., PaedDr. Janka Ferencová, PhD.

**Date of last modification:** 08.06.2021

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚTVŠ/ÚTVŠ/CM/13 | **Course name:** Seaside Aerobic Exercise |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week: Per study period:** 36s
**Course method:** combined, present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:**

**Course level:** I., II.

**Prerequisities:**

**Conditions for course completion:**
Conditions for course completion:
Attendance

**Learning outcomes:**
Learning outcomes:
Students will be provided an overview of possibilities how to spend leisure time in seaside conditions actively and their skills in work and communication with clients will be improved. Students will acquire practical experience in organising the cultural and art-oriented events, with the aim to improve the stay and to create positive experiences for visitors.

**Brief outline of the course:**
Brief outline of the course:
1. Basics of seaside aerobics
2. Morning exercises
3. Pilates and its application in seaside conditions
4. Exercises for the spine
5. Yoga basics
6. Sport as a part of leisure time
7. Application of projects of productive spending of leisure time for different age and social groups (children, young people, elderly)
8. Application of seaside cultural and art-oriented activities in leisure time

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 41

| abs | n |
|---|---|
| 12.2 | 87.8 |

| |
|---|
| **Provides:** Mgr. Agata Horbacz, PhD. |
| **Date of last modification:** 15.03.2019 |
| **Approved:** |

## COURSE INFORMATION LETTER

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** KF/ VKFV/07 | **Course name:** Selected Topics in Philosophy of Education (General Introduction) |
| **Course type, scope and the method:**<br>**Course type:**<br>**Recommended course-load (hours):**<br>**Per week: Per study period:**<br>**Course method:** present | |
| **Number of ECTS credits:** 2 | |
| **Recommended semester/trimester of the course:** 3., 5. | |
| **Course level:** I. | |
| **Prerequisities:** KF/DF1/05 | |
| **Conditions for course completion:** | |
| **Learning outcomes:** | |
| **Brief outline of the course:** | |
| **Recommended literature:** | |
| **Course language:** | |
| **Notes:** | |

**Course assessment**
Total number of assessed students: 0

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| | |
|---|---|
| **Provides:** doc. PhDr. Pavol Tholt, PhD., mim. prof. | |
| **Date of last modification:** | |
| **Approved:** | |

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/VKA/10 | **Course name:** Selected topics in algebra |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 1 **Per study period:** 28 / 14
**Course method:** present

**Number of ECTS credits:** 4

**Recommended semester/trimester of the course:** 6.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
According to tests and to the exam.

**Learning outcomes:**
To obtain basic knowledge on universal algebra; to be able to apply the theory in concrete situations.

**Brief outline of the course:**
Relations, operations, algebraic structures. Substructures. Congruences, homomorphism theorems. Automorphism groups and endomorphism monoids. Terms, term operations, identities, varieties.

**Recommended literature:**
B. Jónsson: Topics in Universal Algebra, Springer-Verlag 1972
M. Kolibiar a kol.: Algebra a príbuzné disciplíny, Bratislava 1992

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 59

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 15.25 | 22.03 | 25.42 | 20.34 | 15.25 | 1.69 |

**Provides:** prof. RNDr. Danica Studenovská, CSc.

**Date of last modification:** 03.05.2015

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/ VEM/10 | **Course name:** Selected topics in elementary mathematics |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 1 / 1 **Per study period:** 14 / 14
**Course method:** present

**Number of ECTS credits:** 3

**Recommended semester/trimester of the course:** 5.

**Course level:** I.

**Prerequisities:** ÚMV/MAN2c/10

**Conditions for course completion:**
exam

**Learning outcomes:**
Obtain knowledge about the structure of elementary mathematics with respect to advanced mathematics; the development of mathematical skills of prospective teachers.

**Brief outline of the course:**
Language of Mathematics; syntax and semantics; sets, relations, rational and irrational numbers, equations and inequations in reals; elementary functions

**Recommended literature:**
W.W. Esty: The Language of Mathematics, Montana State University, 2007.
F. Klein: Elementary mathematics from an advanced standpoint, Dower Publications, 1945.

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 42

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 4.76 | 26.19 | 14.29 | 28.57 | 26.19 | 0.0 |

**Provides:** prof. RNDr. Jozef Doboš, CSc.

**Date of last modification:** 03.05.2015

**Approved:**

**COURSE INFORMATION LETTER**

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** KPPaPZ/ECo-C2/14 | **Course name:** Self Marketing ECo-C2 |

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** combined, present

**Number of ECTS credits:** 4

**Recommended semester/trimester of the course:** 4., 6.

**Course level:** I., N

**Prerequisities:**

**Conditions for course completion:**
1. Active participation in lessons (absence is allowed max. 90 min.), 2. Realization of assignments according to the teacher's instructions.
Detailed information in the electronic bulletin board of the course in AIS2. The teaching of the subject will be realized by a combined method.

**Learning outcomes:**
The student is able to understand and explain the basic assumptions of good self-marketing, knows the possibilities for the correct presentation of his own person and understands the related knowledge and principles of personal and communication area. He / she can understand his / her competencies, his / her goals, how to make his / her strengths visible and he / she can apply this knowledge and social and professional skills in the personal and professional sphere of his / her life, which will also improve his / her employment opportunities.

**Brief outline of the course:**
What is marketing? (Marketing - Mix)
Basics of self-marketing (Personal opinion is crucial, Goal setting, Proper use of opportunity)
Me and my influence (What can I offer? What does he / she have unlike me? How do others see me? Ability to defend one's own opinion, Think positively!, I know how to explore myself - what options do I have?),
Competence (Have your own opinion, How to withstand criticism, Be a team player, Competence at work),
Draw attention to yourself (Voice and word selection, Active in meetings, Present yourself successfully).

**Recommended literature:**
VÝROST, Jozef - SLAMĚNÍK, Ivan. Sociální psychologie. 2., přepr. a rozš. vyd. Praha : GRADA, 2008. 408 s.
VÝROST, Jozef - SLAMĚNÍK, Ivan. Aplikovaná sociální psychologie I : Člověk a sociální instituce. 1. vyd. Praha : Portál, 1998. 384 s. ISBN 80-7178-269-6.
KOMÁRKOVÁ, Růžena - SLAMĚNÍK, Ivan - VÝROST, Jozef. Aplikovaná sociální psychologie III : Sociálněpsychologický výcvik. 1. vyd. Praha : Grada Publishing, 2001. 224 s.

VÝROST, Jozef - SLAMĚNÍK, Ivan. Aplikovaná sociální psychologie II. 1. vyd. Praha : Grada Publishing, 2001. 260 s.

**Course language:**
slovak

**Notes:**
After passing the certification exams from all 4 modules (Teamwork, Selfmarketing, Conflict Management, Communication) the student will receive an ECo-C card and an ECo-C certificate.

**Course assessment**
Total number of assessed students: 64

| abs | n |
|---|---|
| 78.13 | 21.88 |

**Provides:** Mgr. Lucia Barbierik, PhD.

**Date of last modification:** 25.06.2021

**Approved:**

## COURSE INFORMATION LETTER

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** ÚMV/ SHM/10 | **Course name:** Seminar on history of mathematics |

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 6.

**Course level:** I., II.

**Prerequisities:**

**Conditions for course completion:**
Homework, presentation on the chosen topic during the seminar.
More than 91 points - evaluation of A.
81-90 points - evaluation of B.
71-80 points - rating C.
61-70 points - evaluation of D.
51-60 points - evaluation of E.
Less than 50 points - FX evaluation.

**Learning outcomes:**
Students get an overview of the history of the development of certain mathematical disciplines and selected terms and about parallel between phylogenesis and ontogenesis of mathematical thinking.

**Brief outline of the course:**
Mathematics in Early Civilizations. Greek Mathematics. Mathematics in the Near and Far East (Arabia, China, India). Medieval European Mathematics. The Renaissance of Mathematics. The Beginning of Modern Mathematics.

**Recommended literature:**
Burton, D. M.: The History of Mathematics: An Introduction. McGraw−Hill, 2007.
Devlin, K.: Jazyk matematiky. Dokořán, 2002 (in czech)
Kolman, A.: Dejiny matematiky ve starověku. Academia, Praha, 1968 (in slovak)
Juškevič, A. P.: Dejiny matematiky ve středověku. Academia, Praha 1977 (in slovak)
Znám,Š. a kol.: Pohľad do dejín matematiky. Alfa, Bratislava, 1986 (in slovak)
Konforovič, A.G.: Významné matematické úlohy, SPN Praha, 1989 (in slovak)

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 112

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 74.11 | 9.82 | 8.93 | 3.57 | 3.57 | 0.0 |

**Provides:** doc. RNDr. Ingrid Semanišinová, PhD.

**Date of last modification:** 03.05.2015

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/ SMK/17 | **Course name:** Seminar to mathematical clubs |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 6.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Individual problem solving during seminars and homework.
More than 91 points - evaluation of A.
81-90 points - evaluation of B.
71-80 points - rating C.
61-70 points - evaluation of D.
51-60 points - evaluation of E.
Less than 50 points - FX evaluation.

**Learning outcomes:**
Students become familiar with solving problems from mathematical olympiads and mathematical competitions. They acquire theoretical basics necessary to lead mathematical group of talented children.

**Brief outline of the course:**
Number theory.
Equations, inequations, inequalities.
Word problems.
Planimetry.
Stereometry.
Combinatorics. Pigeonhole principle. Combinatorial geometry. Probability.
Math games. Interesting problems.

**Recommended literature:**
Brožúry z edície Škola mladých matematikov. (in slovak)
Séria brožúr: XY. ročník matematickej olympiády. (in slovak)
Ziegler, G.M.: Matematika Vám to spočítá, Universum, Praha, 2011. (in czech)
Zhouf, J. a kol.: Matematické příběhy z korespondenčních seminářu, Prometheus, Praha, 2006. (in czech)

**Course language:**
Slovak

**Notes:**

**Course assessment**
Total number of assessed students: 94

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 57.45 | 13.83 | 14.89 | 10.64 | 3.19 | 0.0 |

**Provides:** doc. RNDr. Ingrid Semanišinová, PhD.

**Date of last modification:** 17.03.2017

**Approved:**

**COURSE INFORMATION LETTER**

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** KPPaPZ/SPMOS/16 | **Course name:** Social Psychology for Double-Major Study |

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 2 **Per study period:** 28 / 28
**Course method:** present

**Number of ECTS credits:** 6

**Recommended semester/trimester of the course:** 4.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
The evaluation of the course and its subsequent completion will be based on clearly and objectively set requirements, which will be set in advance and will not change. The aim of the assessment is to ensure an objective and fair mapping of the student's knowledge while adhering to all ethical and moral standards. There is no tolerance for students' fraudulent behavior, either in the teaching process or in the assessment process.
Continuous assessment: credit test (min. Number of 11 points) + individual work - power point presentation (min. Number of points 11). Total max. 40 b. - min. 22 b.
Final evaluation (exam, final thesis ...): exam max. 60 points, min. 30 points.
At least 90 points are required to obtain an "A" rating, 80-89 points to obtain an "B" rating, 70-79 points to obtain an "C" rating, 60-69 points to obtain an "D" rating and 51 to obtain an "E" rating 51 -59 points. The final evaluation is calculated as the sum of the points obtained

**Learning outcomes:**
Analysis of the social and socio-psychological context of human existence, with emphasis on the relationship to oneself, the relationship to others and the relationship to the social environment. The objectives of the study of the subject social psychology can be divided into three basic areas: a / to approach the subject, key areas of building the knowledge system and methods of this psychological discipline; b / specify the place of social psychology in the structure of psychological sciences and its relations to social and behavioral sciences; c / to provide information on the main directions of application of socio-psychological knowledge in research, expertise and routine work.
The basic thematic areas of the course will be the content of lectures. The purpose of the seminars will be to expand the subject matter in the form of presentations by students on the topic (papers) and to illustrate approaches to knowledge of the field (methodologies, research, model situations, socio-psychological influenza procedures).
The student is able to demonstrate an understanding of an individual's behavior in socio-psychological contexts (eg social cognition, social communication, affiliation, aggression, social conflicts, etc.).
The student is able to describe, explain and evaluate basic socio-psychological theoretical concepts and be able to illustrate them with examples.
The student is able to apply the learned knowledge - will be able to predict some forms of human behavior in socio-psychological contexts.

The method of teaching the subject will be oriented to the student. Lecturers will be interested in the needs, expectations and opinions of students so as to encourage them to think critically by expressing respect and feedback on their opinions and needs.
The content of the curriculum will be based on primary and high-quality sources that will reflect the topicality of the topics so as to ensure the connection of the curriculum with other subjects and also the connection of the curriculum with practice. Students will be expected to take an active approach in lectures and seminars with an emphasis on their independence and responsibility.

**Brief outline of the course:**
Background, subject and history of social psychology. Social cognition. Social communication. Social psychology of personality. Self-image and identity. Coping. Social impact, conformity. Aggression and aggression.

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 70

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 15.71 | 11.43 | 41.43 | 22.86 | 7.14 | 1.43 |

**Provides:** Mgr. Ondrej Kalina, PhD.

**Date of last modification:** 24.06.2021

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** KPO/ SPKVV/15 | **Course name:** Social and Political Context of Education |
|---|---|

**Course type, scope and the method:**
**Course type:** Lecture
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 4., 6.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 57

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 31.58 | 36.84 | 19.3 | 10.53 | 1.75 | 0.0 |

**Provides:** Mgr. Ján Ruman, PhD.

**Date of last modification:** 13.05.2021

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** KPPaPZ/SV1/08 | **Course name:** Social-Psychological Training I |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 3

**Recommended semester/trimester of the course:** 1., 3.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 79

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 97.47 | 0.0 | 0.0 | 2.53 | 0.0 | 0.0 |

**Provides:**

**Date of last modification:** 28.06.2021

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** KPPaPZ/SV2/08 | **Course name:** Social-Psychological Training II |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 3

**Recommended semester/trimester of the course:**

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**
Komárková.R., Slaměník,I., Výrost,J. (Eds.): Aplikovaná sociální psychologie III: Sociálněpsychologický výcvik. Praha, Grada, 2001.
Výrost, J., Slaměník, I.: Sociání psychologie. Praha: Portál 2008.Domestic and foreign magazines

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 52

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

**Provides:**

**Date of last modification:** 28.06.2021

**Approved:**

**COURSE INFORMATION LETTER**

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** KPS/ SOC/05 | **Course name:** Sociology |

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 1 **Per study period:** 28 / 14
**Course method:** present

**Number of ECTS credits:** 5

**Recommended semester/trimester of the course:** 3.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Continuous evaluation: active participation in seminars, test
Final evaluation: Oral exam (In case of an unfavorable epidemiological situation, teaching will take place in an online environment).

**Learning outcomes:**
Getting acquainted with the basics of sociology as a theoretical-empirical science in an effort to create a basis for the study of other sociological and political science disciplines.

**Brief outline of the course:**
Origin, development, essence and subject of Sociology;
Relation of Sociology to other scientific disciplines;
Paradigms, Directions and Theories of Sociology;
Culture;
Socialization, Social status, Social role;
Deviation and Social control;
Society, Social structure, Social groups;
Social stratification, Social mobility, Social (in)equalities;
Organizations and Bureaucracy;
Social Change;
Social Institutions: Economics and Politics;
Social Institutions: Family and Religion;
Research in Sociology;

**Recommended literature:**
BAUMAN, Z.: Myslet sociologicky Praha: Slon, 1996.
BERGER, P. L.: Pozvání do sociologie. Praha: FMO, 1991.
BUOCOVÁ, Z.: Úvod do sociológie. Prešov: FF PU, 2006.
GIDDENS, A.: Sociologie. Praha: Argo, 1999.
HAVLÍK, R.: Úvod do sociologie. Praha: Karolinum, 2005
JANDOUREK, J.: Úvod do sociologie. Praha: Portál, 2003.
KELLER, J.: Úvod do sociologie. Praha: Slon, 1991.
MONTONSSÉ, M.; RENNOARD, G.: Přehled sociologie. Praha: Portál, 2005.

NOVOTNÁ, E.: Základy sociologie. Praha: Grada, 2008.
PETRUSEK, M.; ALAN, J.; DUFFKOVA, J.; HAVLÍK, R.; KABELE, J.: Sociologie. Praha: SPN, 1997.
SOPÓCI, J.; BÚZIK, B.: Základy sociológie. Bratislava: SPN, 1995.
URBAN, L.: Sociologie trochu jinak. Praha: Grada, 2011.

**Course language:**
Slovak, Czech

**Notes:**

**Course assessment**
Total number of assessed students: 782

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 39.77 | 27.11 | 16.62 | 9.46 | 5.37 | 1.66 |

**Provides:** Mgr. Alexander Onufrák, PhD.

**Date of last modification:** 26.03.2021

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** KGER/OJPV1/07 | **Course name:** Specialised German Language - Natural Sciences 1 |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 4.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 144

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 23.61 | 22.92 | 24.31 | 20.83 | 7.64 | 0.69 |

**Provides:** Mgr. Blanka Jenčíková

**Date of last modification:** 03.05.2015

**Approved:**

## COURSE INFORMATION LETTER

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** ÚTVŠ/ TVa/11 | **Course name:** Sports Activities I. |

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** combined, present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 1.

**Course level:** I., I.II., II.

**Prerequisities:**

**Conditions for course completion:**
Min. 80% of active participation in classes.

**Learning outcomes:**
Sports activities in all their forms prepare university students for their professional and personal life. They have a great impact on physical fitness and performance. Specialization in sports activities enables students to strengthen their relationship towards the selected sport in which they also improve.

**Brief outline of the course:**
Brief outline of the course:
Within the optional subject, the Institute of Physical Education and Sports of Pavol Jozef Šafárik University provides for students the following sports activities: aerobics, aikido, basketball, badminton, body form, bouldering, floorball, yoga, power yoga, pilates, swimming, body-building, indoor football, S-M systems, step aerobics, table tennis, tennis, volleyball and chess.
In the first two semesters of the first level of education students will master basic characteristics and particularities of individual sports, motor skills, game activities, they will improve level of their physical condition, coordination abilities, physical performance, and motor performance fitness. Last but not least, the important role of sports activities is to eliminate swimming illiteracy and by means of a special program of medical physical education to influence and mitigate unfitness.
In addition to these sports, the Institute offers for those who are interested winter and summer physical education trainings with an attractive program and organises various competitions, either at the premises of the faculty or University or competitions with national or international participation.

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 12859

| abs | abs-A | abs-B | abs-C | abs-D | abs-E | n | neabs |
|---|---|---|---|---|---|---|---|
| 87.01 | 0.08 | 0.0 | 0.0 | 0.0 | 0.04 | 8.1 | 4.77 |

**Provides:** Mgr. Agata Horbacz, PhD., Mgr. Dávid Kaško, PhD., Mgr. Zuzana Küchelová, PhD., doc. PaedDr. Ivan Uher, PhD., prof. RNDr. Stanislav Vokál, DrSc., Mgr. Marcel Čurgali, Mgr. Patrik Berta, Mgr. Ladislav Kručanica, PhD., Bc. Richard Melichar, Mgr. Petra Tomková, PhD.

**Date of last modification:** 13.05.2021

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚTVŠ/ TVb/11 | **Course name:** Sports Activities II. |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** combined, present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 2.

**Course level:** I., I.II., II.

**Prerequisities:**

**Conditions for course completion:**
active participation in classes - min. 80%.

**Learning outcomes:**
Sports activities in all their forms prepare university students for their professional and personal life. They have a great impact on physical fitness and performance. Specialization in sports activities enables students to strengthen their relationship towards the selected sport in which they also improve.

**Brief outline of the course:**
Within the optional subject, the Institute of Physical Education and Sports of Pavol Jozef Šafárik University provides for students the following sports activities: aerobics, aikido, basketball, badminton, body form, bouldering, floorball, yoga, power yoga, pilates, swimming, body-building, indoor football, S-M systems, step aerobics, table tennis, tennis, volleyball and chess.
In the first two semesters of the first level of education students will master basic characteristics and particularities of individual sports, motor skills, game activities, they will improve level of their physical condition, coordination abilities, physical performance, and motor performance fitness. Last but not least, the important role of sports activities is to eliminate swimming illiteracy and by means of a special program of medical physical education to influence and mitigate unfitness.
In addition to these sports, the Institute offers for those who are interested winter and summer physical education trainings with an attractive program and organises various competitions, either at the premises of the faculty or University or competitions with national or international participation.

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 11675

| abs | abs-A | abs-B | abs-C | abs-D | abs-E | n | neabs |
|---|---|---|---|---|---|---|---|
| 84.52 | 0.56 | 0.02 | 0.0 | 0.0 | 0.05 | 10.63 | 4.22 |

| |
|---|
| **Provides:** Mgr. Agata Horbacz, PhD., Mgr. Dávid Kaško, PhD., Mgr. Zuzana Küchelová, PhD., doc. PaedDr. Ivan Uher, PhD., prof. RNDr. Stanislav Vokál, DrSc., Mgr. Marcel Čurgali, Mgr. Patrik Berta, Mgr. Ladislav Kručanica, PhD., Bc. Richard Melichar, Mgr. Petra Tomková, PhD. |
| **Date of last modification:** 13.05.2021 |
| **Approved:** |

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚTVŠ/ TVc/11 | **Course name:** Sports Activities III. |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** combined, present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 3.

**Course level:** I., I.II., II.

**Prerequisities:**

**Conditions for course completion:**
min. 80% of active participation in classes

**Learning outcomes:**
Sports activities in all their forms prepare university students for their professional and personal life. They have a great impact on physical fitness and performance. Specialization in sports activities enables students to strengthen their relationship towards the selected sport in which they also improve.

**Brief outline of the course:**
Within the optional subject, the Institute of Physical Education and Sports of Pavol Jozef Šafárik University provides for students the following sports activities: aerobics, aikido, basketball, badminton, body form, bouldering, floorball, yoga, power yoga, pilates, swimming, body-building, indoor football, S-M systems, step aerobics, table tennis, tennis, volleyball and chess.
In the first two semesters of the first level of education students will master basic characteristics and particularities of individual sports, motor skills, game activities, they will improve level of their physical condition, coordination abilities, physical performance, and motor performance fitness. Last but not least, the important role of sports activities is to eliminate swimming illiteracy and by means of a special program of medical physical education to influence and mitigate unfitness.
In addition to these sports, the Institute offers for those who are interested winter and summer physical education trainings with an attractive program and organises various competitions, either at the premises of the faculty or University or competitions with national or international participation.

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 7873

| abs | abs-A | abs-B | abs-C | abs-D | abs-E | n | neabs |
|---|---|---|---|---|---|---|---|
| 88.8 | 0.05 | 0.01 | 0.0 | 0.0 | 0.03 | 4.08 | 7.04 |

| |
|---|
| **Provides:** Mgr. Marcel Čurgali, Mgr. Agata Horbacz, PhD., Mgr. Dávid Kaško, PhD., Mgr. Zuzana Küchelová, PhD., doc. PaedDr. Ivan Uher, PhD., prof. RNDr. Stanislav Vokál, DrSc., Mgr. Patrik Berta, Mgr. Ladislav Kručanica, PhD., Bc. Richard Melichar, Mgr. Petra Tomková, PhD. |
| **Date of last modification:** 13.05.2021 |
| **Approved:** |

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

**Course ID:** ÚTVŠ/TVd/11 | **Course name:** Sports Activities IV.

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** combined, present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 4.

**Course level:** I., I.II., II.

**Prerequisities:**

**Conditions for course completion:**
min. 80% of active participation in classes

**Learning outcomes:**
Sports activities in all their forms prepare university students for their professional and personal life. They have a great impact on physical fitness and performance. Specialization in sports activities enables students to strengthen their relationship towards the selected sport in which they also improve.

**Brief outline of the course:**
Within the optional subject, the Institute of Physical Education and Sports of Pavol Jozef Šafárik University provides for students the following sports activities: aerobics, aikido, basketball, badminton, body form, bouldering, floorball, yoga, power yoga, pilates, swimming, body-building, indoor football, S-M systems, step aerobics, table tennis, tennis, volleyball and chess.
In the first two semesters of the first level of education students will master basic characteristics and particularities of individual sports, motor skills, game activities, they will improve level of their physical condition, coordination abilities, physical performance, and motor performance fitness. Last but not least, the important role of sports activities is to eliminate swimming illiteracy and by means of a special program of medical physical education to influence and mitigate unfitness.
In addition to these sports, the Institute offers for those who are interested winter and summer physical education trainings with an attractive program and organises various competitions, either at the premises of the faculty or University or competitions with national or international participation.

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 5125

| abs | abs-A | abs-B | abs-C | abs-D | abs-E | n | neabs |
|---|---|---|---|---|---|---|---|
| 83.14 | 0.31 | 0.04 | 0.0 | 0.0 | 0.0 | 7.75 | 8.76 |

| |
|---|
| **Provides:** Mgr. Marcel Čurgali, Mgr. Agata Horbacz, PhD., Mgr. Dávid Kaško, PhD., Mgr. Zuzana Küchelová, PhD., doc. PaedDr. Ivan Uher, PhD., prof. RNDr. Stanislav Vokál, DrSc., Mgr. Patrik Berta, Mgr. Ladislav Kručanica, PhD., Bc. Richard Melichar, Mgr. Petra Tomková, PhD. |
| **Date of last modification:** 13.05.2021 |
| **Approved:** |

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** KPPaPZ/SI2/09 | **Course name:** Statistical Methods II |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 3 **Per study period:** 42
**Course method:** present

**Number of ECTS credits:** 3

**Recommended semester/trimester of the course:** 6.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Assessment is based on interim evaluation.

**Learning outcomes:**
The aim of the subject is to increase the practical capabilities of students in processing statistical data using the SPSS software package. By completing the subject, students will learn and practice basic competences for working with databases. Students will learn how to use the functions of the SPSS application in the context of descriptive and infferential statistics to the extent covered within the subject Statistics I.

**Brief outline of the course:**

**Recommended literature:**
1. J Pallant : SPSS Survival manual. A step by step guide to data analysis using SPSS for Windows.

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 60

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 96.67 | 0.0 | 3.33 | 0.0 | 0.0 | 0.0 |

**Provides:** Mgr. Jozef Benka, PhD. et PhD.

**Date of last modification:** 18.02.2021

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** ÚMV/ SVK/10 | **Course name:** Students scientific conference |
|---|---|

**Course type, scope and the method:**
**Course type:**
**Recommended course-load (hours):**
**Per week: Per study period:**
**Course method:** present

**Number of ECTS credits:** 4

**Recommended semester/trimester of the course:**

**Course level:** I., II.

**Prerequisities:**

**Conditions for course completion:**

**Learning outcomes:**
Individual scientific work of students. Publishing of obtained results in a written form and as a public presentation.

**Brief outline of the course:**

**Recommended literature:**
With respect to the research problematics (article in journals, books).

**Course language:**
Slovak or English

**Notes:**

**Course assessment**
Total number of assessed students: 101

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 99.01 | 0.99 | 0.0 | 0.0 | 0.0 | 0.0 |

**Provides:**

**Date of last modification:** 03.05.2015

**Approved:**

**COURSE INFORMATION LETTER**

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** ÚMV/ DGS/15 | **Course name:** Students` Digital Literacy |

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 1.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
continuous assessment and final project

**Learning outcomes:**
To acquire an overview of the current possibilities of digital technology to develop skills and competencies with emphasis on the area of communication, social interaction and personal. To acquire basic digital skills for working with advanced technologies (mobile phone, tablet, laptop, social media, online webtechnologies). To understand the value of existing advanced technologies for better and more effective learning, work and active life in higher education, lifelong learning and further career prospects.

**Brief outline of the course:**
Introduction to the problems of current, commonly available digital technology. Tools for access to online information source (mobile applications for access to information systems, databases, data books). Tools for collecting, generating direct information and data and its subsequent analysis and visualization. Tools for providing and sharing of electronic content (cloud technology - Google Drive, Youtube, Google+, Skydrive, Dropbox). Tools for communication, discussion and collaborative activities. Legal work with digital technologies and resources, plagiarism, critical evaluation of digital resources. Security, privacy, digital ethics and etiquette, digital citizenship.

**Recommended literature:**
1. Bruff, D. (2009). Teaching with classroom response systems: Creating active learning environments. San Francisco: Jossey-Bass.
2. Byrne, R. (2012). Google Drive and Docs for Teachers. Free Tech for Teachers.
3. Kawasaki, G. (2012). What the Plus! Google+ for the Rest of Us. Amazon igital Services.
4. Kolb, L. (2011). Cell Phones in the Classroom: A Practical Guide for Educators. International Society for Technology in Education.

**Course language:**
Slovak

**Notes:**

| **Course assessment**<br>Total number of assessed students: 250 | |
|---|---|
| abs | n |
| 96.0 | 4.0 |
| **Provides:** doc. RNDr. Stanislav Lukáč, PhD., doc. RNDr. Jozef Hanč, PhD., doc. RNDr. Ľubomír Šnajder, PhD. | |
| **Date of last modification:** 03.05.2015 | |
| **Approved:** | |

**COURSE INFORMATION LETTER**

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|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** ÚTVŠ/ LKSp/13 | **Course name:** Summer Course-Rafting of TISA River |
| **Course type, scope and the method:**<br>**Course type:** Practice<br>**Recommended course-load (hours):**<br>**Per week: Per study period:** 36s<br>**Course method:** present | |
| **Number of ECTS credits:** 2 | |
| **Recommended semester/trimester of the course:** | |
| **Course level:** I., II. | |
| **Prerequisities:** | |
| **Conditions for course completion:**<br>Conditions for course completion:<br>Attendance<br>Final assessment: Raft control on the waterway (attended/not attended) | |
| **Learning outcomes:**<br>Learning outcomes:<br>Students have knowledge of rafts (canoe) and their control on waterway. | |
| **Brief outline of the course:**<br>Brief outline of the course:<br>1. Assessment of difficulty of waterways<br>2. Safety rules for rafting<br>3. Setting up a crew<br>4. Practical skills training using an empty canoe<br>5. Canoe lifting and carrying<br>6. Putting the canoe in the water without a shore contact<br>7. Getting in the canoe<br>8. Exiting the canoe<br>9. Taking the canoe out of the water<br>10. Steering<br>a) The pry stroke (on fast waterways)<br>b) The draw stroke<br>11. Capsizing<br>12. Commands | |
| **Recommended literature:** | |
| **Course language:** | |
| **Notes:** | |

| **Course assessment**<br>Total number of assessed students: 153 | |
|---|---|
| abs | n |
| 45.75 | 54.25 |
| **Provides:** Mgr. Dávid Kaško, PhD. | |
| **Date of last modification:** 18.03.2019 | |
| **Approved:** | |

## COURSE INFORMATION LETTER

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** ÚTVŠ/ KP/12 | **Course name:** Survival Course |
| **Course type, scope and the method:**<br>**Course type:** Practice<br>**Recommended course-load (hours):**<br>**Per week: Per study period:** 36s<br>**Course method:** combined, present | |
| **Number of ECTS credits:** 2 | |
| **Recommended semester/trimester of the course:** | |
| **Course level:** I., II. | |
| **Prerequisities:** | |
| **Conditions for course completion:**<br>Conditions for course completion:<br>Attendance<br>Final assessment: continuous fulfilment of all tasks within the course | |
| **Learning outcomes:**<br>Learning outcomes:<br>Students will be familiarized with principles of safe stay and movement in extreme natural conditions as they will obtain theoretical knowledge and practical skills to solve the extraordinary and demanding situations connected with survival and minimization of damage to health. The course develops team work and students will learn how to manage and face the situations that require overcoming of obstacles. | |
| **Brief outline of the course:**<br>Brief outline of the course:<br>Lectures:<br>1. Principles of behaviour and safety for movement and stay in unknown mountains<br>2. Preparation and leadership of tour<br>3. Objective and subjective danger in mountains<br>4. Principles of hygiene and prevention of damage to health in extreme conditions<br>Exercises:<br>1. Movement in terrain, orientation and navigation in terrain (compasses, GPS)<br>2. Preparation of improvised overnight stay<br>3. Water treatment and food preparation. | |
| **Recommended literature:** | |
| **Course language:** | |
| **Notes:** | |

| **Course assessment**<br>Total number of assessed students: 393 | |
|---|---|
| abs | n |
| 44.53 | 55.47 |
| **Provides:** MUDr. Peter Dombrovský, Mgr. Ladislav Kručanica, PhD. | |
| **Date of last modification:** 15.03.2019 | |
| **Approved:** | |

**COURSE INFORMATION LETTER**

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|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** KPS/ SYP/06 | **Course name:** Systems of Psychology |

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 2 **Per study period:** 28 / 28
**Course method:** present

**Number of ECTS credits:** 6

**Recommended semester/trimester of the course:** 1., 3.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
Seminar evaluation (40% of the total evaluation): 1. test examination - 15b test (min 8);
2. test examination - 15b test (min 8); 3. seminar work on a selected topic, paper - possibility to get a maximum of 10b
Final evaluation (60% of the total evaluation): written exam in the examination period max. 60b min.31b.
Overall rating: A (100-90b), B (80-89b), C (70-79b), D (60-69b), E (51-59b), FX (50b and less).
The student is allowed max. 2 absences from exercises.

**Learning outcomes:**
The aim is to acquaint students with the development of psychological thinking with emphasis on the main psychological directions and their representatives. The student will acquire a basic orientation in the main psychological directions of the 20th century and current directions of psychology, through their basic theories, research as well as connection to a broader context

**Brief outline of the course:**
Brief syllabus:
1 Introduction to the study of history and systems of psychology,
2 The influence of philosophy and physiology on modern psychology.
3 The beginnings of modern psychology as a separate scientific discipline.
4 Structuralism in psychology.
5 Functionalism in psychology - CH. Darwin, W. James and his system of psychology, Chicago School J. Dewey. R. S. Woodworth.
6 Russian reflexology and associationism - predecessors of behaviorism.
7 Behaviourism, J.B Watson
8 Skinner's behaviorism and neo-neobehaviorizmus.
9 Gestalt psychology.
10 Psychoanalysis: Freud S. Predecessors of psychoanalysis.
11 Neofreudism: ego psychology A. Freud, analytical psychology of C.G. Jung.
12 Individual psychology - A. Adler, K. Horney, Fromm E, H. Sullivan.
12, Humanistic psychology.
13 Cognitive psychology.

14 Effects of postmodern thinking in psychology. Critical psychology, its main ideas and leaders.
15 Social constructivism J. Shotter and K. J. Gergen. Psychology of discourse and narrative psychology

**Recommended literature:**

Hunt, M.: Dejiny psychológie, Portál, Praha, 2000;
Plháková, A.: Dejiny psycholoie, Grada, 2006;
Hoskovec, J., Hoskovcová, S.: Stručné dejiny stredoeurópskej psychológie. Portál, Praha, 2000
Hergenhahn, B. R. (2001). An introduction to the history of psychology (4th ed.). Wadsworth/ Thomson Learning.

**Course language:**

**Notes:**

**Course assessment**

Total number of assessed students: 816

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 18.5 | 23.77 | 31.25 | 17.65 | 6.0 | 2.82 |

**Provides:** Mgr. René Šebeňa, PhD.

**Date of last modification:** 15.04.2021

**Approved:**

## COURSE INFORMATION LETTER

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|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** KPPaPZ/ECo-C1/14 | **Course name:** Team Work ECo-C1 |
| **Course type, scope and the method:**<br>**Course type:** Practice<br>**Recommended course-load (hours):**<br>**Per week:** 2 **Per study period:** 28<br>**Course method:** combined, present | |
| **Number of ECTS credits:** 4 | |
| **Recommended semester/trimester of the course:** 3., 5. | |
| **Course level:** I., N | |
| **Prerequisities:** | |
| **Conditions for course completion:** | |
| **Learning outcomes:** | |
| **Brief outline of the course:** | |
| **Recommended literature:** | |
| **Course language:** | |
| **Notes:** | |
| **Course assessment**<br>Total number of assessed students: 71 | |

| abs | n |
|---|---|
| 98.59 | 1.41 |

| | |
|---|---|
| **Provides:** PhDr. Anna Janovská, PhD. | |
| **Date of last modification:** 28.06.2021 | |
| **Approved:** | |

**COURSE INFORMATION LETTER**

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** KPS/ ZKP/06 | **Course name:** The Fundamentals of Clinical Psychology |

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 2 **Per study period:** 28 / 28
**Course method:** present

**Number of ECTS credits:** 6

**Recommended semester/trimester of the course:** 3., 5.

**Course level:** I.

**Prerequisities:** KPS/VP2/06 and leboKPPaPZ/VPMOS/16

**Conditions for course completion:**
Maximum 40 points per semester, minimum 22 per semester.
Semester 40%,
exam 60% - oral form
Result mark
Sum of points from semester and exam:
A 90 – 100
B 80 – 89
C 70 – 79
D 60 – 69
E 51 – 59
FX 50 and less

**Learning outcomes:**
The course introduces present information from applied psychological discipline - Clinical Psychology. It presents some actual theories, which explain basis of health, illness, dysfunction and disability. It concentrates on practical abilities, which are necessary for clinical psychology praxis. During the semester, students will gain the following knowledge (several included in the topics of the seminars):
- characteristics and content of clinical psychology,
- conditions for undergraduate and postgraduate education in clinical psychology,
- the specifics of clinical research
- a biopsychosocial approach to the treatment of mental disorders,
- clinical-psychological interview, initial psychodiagnostic interview,
- prevention in clinical psychology
- specifics of psychodiagnostics in clinical psychology,
- basics of psychopharmaco-therapy of mental disorders,
- ethical issues in clinical psychology,
They will acquire these skills during the semester
- how to solve ethical dilemmas in clinical psychology
- how to conduct a clinical-psychological interview,
- how to talk to a specific patient (depressed, silent ..)

- how to collect personal hystoro data from the patient,
- how to work with a child patient,
- how to apply theoretical knowledge about the child's early psychomotor development,
- how to proceed in the preoperative preparation of the patient,
- skill in the field of selected therapeutic procedures.

**Brief outline of the course:**

1. The subject of clinical psychology, its position in the system of psychological sciences
2. History of the development of clinical psychology, history of clinical psychology in our country, important personalities in contemporary clinical psychology
3. Practical issues of the work of a clinical psychologist: prevention, crisis intervention, clinical-psychological interview, ethics in clinical psychology
4. Psychopharmacotherapy - overview, effect
5. The methodology of research and individual approach in clinical psychology
6. Systems of classification in psychiatry (ICD-10,DSM-V).
7. Clinical psychological methods in a/ anxiety disorders, b/affective disorders, c/ psychotic disorders, d/ addictions, e/ eating disorders, f/ organic mental disorders, g/ personality disorders. Basic psychotherapeutic strategies – review. Crisis interventions, suicidology.
8. Psychology of the disease - change of needs, psychological correlates of pain, communication with the patient
9. Psychodiagnostics in clinical psychology - clinical and test methods
10. Personal jistory and its place in clinical psychology - specifics for adult and pediatric patients
11. Clinical-psychological referral
12. Patopsychology and psychology of disability

**Recommended literature:**

Heretik, A., Heretik, A., a spol. (2016). Klinická psychológia, Nové Zámky: Psychoprof.
Trull, T.J., Prinstein, M. (2012). Clinical psychology. Wadsworth: Cengage Learning.
Baštecká,B., Goldman, P. (2001). Základy klinické psychologie, Praha: Portál.
Baštecká, B. a kol. (2006). Klinická psychologie v praxi, Praha: Portál.
Křivohlavý, J. (2003). Psychologie zdraví. Praha: Portal.
Ondrášová, M. (2005). Psychiatria. Bratislava: Osveta.
Říčan, P., Krejčířová, D. a kol. (2006). Dětská klinická psychologie, Praha: Grada.

**Course language:**

Slovak, English

**Notes:**

**Course assessment**

Total number of assessed students: 692

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 39.31 | 30.78 | 16.62 | 8.24 | 3.03 | 2.02 |

**Provides:** doc. Mgr. Monika Hricová, PhD., MSc. Natália Sabolová

**Date of last modification:** 26.08.2021

**Approved:**

## COURSE INFORMATION LETTER

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** KPS/ ZPSP/06 | **Course name:** The Fundamentals of Psychology of Work |

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 2 **Per study period:** 28 / 28
**Course method:** present

**Number of ECTS credits:** 6

**Recommended semester/trimester of the course:** 3., 5.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**
During semester:
-Credit test (20p), minimum 11p
- Semester assignment - essay (20p), minimum 11p, for detailed information please see electronic noticeboard.
Overall evaluation:
- Semester maximum 40 points (minimum 22p), exam 60 points (minimum 31p)
- together min. 53p

**Learning outcomes:**
Aim of study is to give the opportunity to students to familiarize with basic knowledge from applied field of psychology – work psychology. During the semester, focus is on meaning of job, work conditions, relationships on workplace and interaction between work and family. Besides, students can capture basic skills needed for execution of selected job areas of work psychologist.
During semester students will obtain knowledge in:
- history and development of work psychology, meaning of work in human life
- unemployment and options how to work with unemployed people
- workplace environment and possible negative consequences of it on people´s mental health
- job and organization adaptation
- job satisfaction and interaction between work and family
- basic psychodiagnostics methods used in work psychology
Besides, students can obtain skills in:
- analysis of physical work environment with focus on it´s psychological effect on employee
- preparation of adaptation program
- solving negative consequences of work environment
- setting of work environment design in order to avoid work-family conflicts
- work with selected psychodiagnostics methods

**Brief outline of the course:**
Definition of work psychology, historical preconditions of constitution of work psychology, work and her conditions, work performance, motivation to work and work satisfaction, forming of work environment, relationships on workplace, job-family interaction

**Recommended literature:**

Rothmann, S., Cooper, C. L., & Rothmann, S. (2015). Work and organizational psychology (Second Edition). Routledge, Taylor & Francis Group.
Schmitt, N., & Weiner, I. B. (Eds.). (2013). Industrial and organizational psychology (2. ed). Wiley.
Muchinsky, P. M. (2006). Psychology applied to work: An introduction to industrial and organizational psychology (8th ed). Thomson/Wadsworth.
Levy, P. E. (Paul E. (2017). Industrial/organizational psychology: Understanding the workplace. Worth Publishers, Macmillan Learning.
Arnold, J., & Randall, R. (2016). Work psychology: Understanding human behaviour in the workplace (Sixth Edition). Pearson.

**Course language:**
Slovak, English

**Notes:**
Lectures and activities are adapted to both, physically present and distance form of education. For further information and current changes in the form of teaching (distance vs. full-time), please see electronic noticeboard.

**Course assessment**
Total number of assessed students: 672

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 36.01 | 29.46 | 18.6 | 10.27 | 4.91 | 0.74 |

**Provides:** PhDr. Denisa Fedáková, PhD., Mgr. Pavol Kačmár, PhD., PhDr. Katarína Kušnírová, PhD.

**Date of last modification:** 29.04.2021

**Approved:**

## COURSE INFORMATION LETTER

**University:** P. J. Šafárik University in Košice

**Faculty:** Faculty of Science

| **Course ID:** KPE/ TVE/08 | **Course name:** Theory of Education |
|---|---|

**Course type, scope and the method:**
**Course type:** Practice
**Recommended course-load (hours):**
**Per week:** 2 **Per study period:** 28
**Course method:** present

**Number of ECTS credits:** 2

**Recommended semester/trimester of the course:** 4., 6.

**Course level:** I.

**Prerequisities:**

**Conditions for course completion:**

**Learning outcomes:**

**Brief outline of the course:**

**Recommended literature:**

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 501

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 36.93 | 32.93 | 20.36 | 5.99 | 1.6 | 2.2 |

**Provides:** Mgr. Katarína Petríková, PhD.

**Date of last modification:** 08.06.2021

**Approved:**

## COURSE INFORMATION LETTER

| | |
|---|---|
| **University:** P. J. Šafárik University in Košice | |
| **Faculty:** Faculty of Science | |
| **Course ID:** KPPaPZ/TPPM/19 | **Course name:** Theory of psychdiagnostics and psychometrics for inter-disciplinary study program |

**Course type, scope and the method:**
**Course type:** Lecture / Practice
**Recommended course-load (hours):**
**Per week:** 2 / 2 **Per study period:** 28 / 28
**Course method:** present

**Number of ECTS credits:** 6

**Recommended semester/trimester of the course:** 5.

**Course level:** I.

**Prerequisities:** KPPaPZ/USMM/19

**Conditions for course completion:**
The assessment for this subject is based on a combination of interim evaluation and the final exam. Proportionally the interim evaluation represents 40% and the final exam 60% of the overall assessment. The subject will be taught in both present and distance format. Up-to-date information concerning the subject for the given academic year can be found on the electronic board of the subject in the Academic information system of the UPJŠ.

**Learning outcomes:**
Students will acquire basic theoretical knowledge and practical skills in the field of psychological measurement with an emphasis on the context of the field. Attention is primarily paid to developing the individual ability to use the acquired knowledge in critical evaluation and interpretation of data obtained through psychological and psychodiagnostic measuring tools.

**Brief outline of the course:**
Psychometrics and definition of its basic concepts. Introduction to measurement and scaling in psychology. Types of tests and their characteristics, types of variables in psychometrics. Characteristics of psychodiagnostic methods. Psychological theories of tests, classical test theory and current models, Introduction to test design and item analysis, Reliability and methods of its detection, validation and sources of evidence of validity. Standardisation and norms.

**Recommended literature:**
1. Džuka, J. Základy Psychometrie a teórie testov, Prešov, 2006
2. Urbánek,T. - Denglerová,D., Širuček,J.: Psychometrika. Praha: Portál 2011
3. Říčan P.: Základy psychometrie. Bratislava: Psychodiagnostika 1977
4. FERJENČÍK, J.: Základy štatistických metód v sociálnych vedách. Košice: UPJŠ, 2006

**Course language:**

**Notes:**

**Course assessment**
Total number of assessed students: 13

| A | B | C | D | E | FX |
|---|---|---|---|---|---|
| 46.15 | 23.08 | 30.77 | 0.0 | 0.0 | 0.0 |

**Provides:** Mgr. Jozef Benka, PhD. et PhD.

**Date of last modification:** 25.06.2021

**Approved:**