CONTENS

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Idb/ AP/15	**Name:** Computer Hardware
Types, range and methods of educational activities: **Form of study:** Lecture / Seminar / Practical **Recommended extent of course (in hours):** **Per week:** 2 / 0 / 1 **For the study period:** 26 / 0 / 13 **Methods of study:** present	
Number of credits: 5	
Recommended semester/trimester of study: 3.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject: The subject is finished by an written exam (test). For assessment A should be obtained at least 90 points, for assessment B at least 80 points, for assessment C at least 70 points, for assessment D at least 60 points, for assessment E at least 50 points. Credits will not be granted to students who obtain less than 50 points.	
Results of education: Within this subject students are familiar with the construction and principles of operation of computers, the computer architecture. Students gain a deeper understanding of traditional Von-Neumann architecture. Attention is paid to the technological milestones that have been the basis for the development of processors and computer components. The ways of cooperating of base units, principles of their operation and application areas with regard to current trends are explained. Attention is also paid to theoretical background and demonstrations of specific problems solutions in the context of current trends in the field.	
Brief syllabus: The meaning of computer architecture. Boolean algebra, logic elements. Logic circuits - design and realization Building blocks of digital systems Computer memory, registers. Data types, mathematical operations, Arithmetic logic unit, executing instructions (instruction cycle). Bus types, principle of operation, serial and parallel bus (FSB, PCI, PCIe, HT, QPI), characteristics I/O, I/O operations, performed in the storage unit DMA. I/O channel. IRQ system. Pinciple of operation DRAM, SRAM, ROM a EEPROM. Virtual machine - construction and operating principles. Intel, AMD, IBM a ARM processors, their architecture and development trends. Multi-core processors - development, implementation reasons, restrictions on use.	
Literature:	

1. CSERNY, L. : Mikroszámítógépek. Budapest : LSI Oktatóközpont, 2003. s. 330. ISBN 963 577 188 6.
2. SIMA D. – FOUNTAIN, T. – KACSUK, P.: Korszerű számítógép-architektúrák tervezési tér megközelítésben. Bicske : SZAK Kiadó, 1998, s. 809. ISBN 963 9131 09 1.
3. TANNENBAUM, A. S.: Számítógéparchitektúrák. Budapest : Panem Kiadó, 2001, s. 720. ISBN 963 545 282 9

Language, knowledge of which is necessary to complete a course:
Hungarian language, Slovak language

Notes:

Evaluation of subjects
Total number of evaluated students: 196

A	B	C	D	E	FX
13.27	15.82	19.9	17.35	24.49	9.18

Teacher: Ing. Ondrej Takáč, PhD.

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Idb/ DEI/15	**Name:** History of Informatics
Types, range and methods of educational activities: **Form of study:** Lecture / Seminar / Practical **Recommended extent of course (in hours):** **Per week:** 0 / 2 / 0 **For the study period:** 0 / 26 / 0 **Methods of study:** present	
Number of credits: 2	
Recommended semester/trimester of study: 1.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject:	
Results of education:	
Brief syllabus:	
Literature:	
Language, knowledge of which is necessary to complete a course:	
Notes:	

Evaluation of subjects

Total number of evaluated students: 711

A	B	C	D	E	FX
19.97	15.33	16.46	17.58	24.33	6.33

Teacher:
Date of last update: 03.03.2023
Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Idb/ DM/15	**Name:** Discret Mathematics

Types, range and methods of educational activities:
Form of study: Lecture / Seminar / Practical
Recommended extent of course (in hours):
Per week: 1 / 2 / 0 **For the study period:** 13 / 26 / 0
Methods of study: present

Number of credits: 5

Recommended semester/trimester of study: 2.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
During the semester will be held two written tests by 20 points. The course is finished by an exam where it is possible to obtain 60 points. For assessment A should be obtained at least 90 points, for assessment B at least 80 points, for assessment C at least 70 points, for assessment D at least 60 points, for assessment E at least 50 points. Credits will not be granted to students who obtain less than 50 points.

Results of education:
At the end of the course, students will obtain an overview of the basic concepts of Set Theory, Combinatorics, Mathematical Logic and Boolean Algebra.

Brief syllabus:
Introduction to the Discrete Mathematics, Peano axioms, principle of Mathematical induction.
Set Theory – basic terms, set operations.
Relations and mappings, composition of mappings, equivalence relation.
Cardinality of sets, finite and nonfinite sets, computable sets.
Combinatorics – combinations and variations (with and without repetition).
Permutations (with and without repetition), combinatorial identities.
Binomial and Polynomial theorem.
Inclusion–exclusion principle, Pigeonhole principle.
Propositions and logical operations, tautologies.
Boolean algebra – binary Boolean functions, realization of Boolean functions by formulas.
Equivalence of Boolean formulas, properties of elementary Boolean functions, principle of duality.
Canonic form of Boolean functions, full disjunctive normal form.
Functional completeness and closure, most important closed classes, Completeness theorem.
Minimization of Boolean functions.

Literature:
JABLONSKIJ, S. V.: Úvod do diskrétnej matematiky. Bratislava : Alfa, 1984., 278 s. JABLONSKIJ, S. V. a kol.: Diszkrét matematika a számítástudományban. Budapest : Műszaki Könyvkiadó, 1980. 354 s. ISBN 978-963-1025-99-3 SZENDREI, Á.: Diszkrét matematika. Szeged : Polygon, 1998. 380 s. ISSN 1417-0590. LOVÁSZ, L.: Kombinatorikai problémák és feladatok. Budapest : Typotex, 2008. 670 s. ISBN 978-963-9664-93-7. LOVÁSZ, L. –

VESZTERGOMBI, K. – PELIKÁN, J.: Diszkrét matematika. Budapest : Typotex, 2006. 292 s. ISBN 978-963-9664-02-9.

Language, knowledge of which is necessary to complete a course:
Hungarian, Slovak

Notes:

Evaluation of subjects
Total number of evaluated students: 1093

A	B	C	D	E	FX
10.06	9.24	15.65	15.19	25.98	23.88

Teacher: doc. RNDr. József Bukor, PhD.

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Idb/ DS1/15	**Name:** Database Systems 1
Types, range and methods of educational activities: **Form of study:** Lecture / Seminar / Practical **Recommended extent of course (in hours):** **Per week:** 1 / 0 / 2 **For the study period:** 13 / 0 / 26 **Methods of study:** present	
Number of credits: 4	
Recommended semester/trimester of study: 4.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject: Students during the semester to create their own database applications, where it is possible to obtain 50 percent. The course is finished by an exam where it is possible to obtain 50 percent. For assessment A should be obtained at least 90 percent, for assessment B at least 80 percent, for assessment C at least 70 percent, for assessment D at least 60 percent, for assessment E at least 50 percent. Credits will not be granted to students who obtain less than 50 points.	
Results of education: In this course the student learns the issue of databases, their design and further its knowledge of relational databases. After successfully completing the course will gain an overview as the theoretical knowledge as well as practical aspects of creation of database systems, to acquire basic technical terminology in the field and this knowledge can also adequately used for the analysis of database systems, their design and implementation in the selected database environment.	
Brief syllabus: Basic concepts and terminology database systems. Introduction to database technology. Semantic database models. Hierarchical database models. Network database models. The relational database model. Relational algebra. Normal forms of relational databases. Normalization process for the demonstration. Customization and debug databases.	
Literature: SIMON, A.: Alkalmazások fejlesztése Accesben: Budapest: Panem, 2002. 268 s. – ISBN 9635453280. HERNANDEZ, M. J.: Adatbázis-tervezés: Addison-Wesley, 2004. – 428 s. – ISBN 963 9301 75 2. BÁRTFAI, B.: Adatbáziskezelés: Budapest: 2002. 136s. ISBN 963 003444 1.	

PIZZO, D. - ALBERICO, D. - LUCARELLY, F.: Adatbáziskezelés és hálózati ismeretek. Szeged: 2Fôiskola 2010.

Language, knowledge of which is necessary to complete a course:
Hungarian language, Slovak language

Notes:

Evaluation of subjects
Total number of evaluated students: 321

A	B	C	D	E	FX
15.26	16.2	19.94	19.31	19.0	10.28

Teacher: Dr. habil. Attila Elemér Kiss, CSc.

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Idb/ GED/15	**Name:** Computer Graphics 1
Types, range and methods of educational activities: **Form of study:** Lecture / Seminar / Practical **Recommended extent of course (in hours):** **Per week:** 0 / 0 / 2 **For the study period:** 0 / 0 / 26 **Methods of study:** present	
Number of credits: 2	
Recommended semester/trimester of study: 3.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject: During the semester students work on an individual project where it is possible to obtain 100 points. For assessment A should be obtained at least 90 points, for assessment B at least 80 points, for assessment C at least 70 points, for assessment D at least 60 points, for assessment E at least 50 points. Credits will not be granted to students who obtain less than 50 points.	
Results of education: At the end of the course, students will obtain an overview of the basic concepts of Raster graphics and they will be able to apply this knowledge during photo editing.	
Brief syllabus: Basic terms of Computer graphics – vector and raster graphics, pixel, dpi, rasterization, graphics file formats. Raster graphics and raster graphics editors (Paint.Net, Gimp). Environment of the graphics editor: design area, tool palette, status line, color palette, selection tools. Work with drawing tools: paintbrush, pencil, eraser, magic wand, paint bucket, clone stamp, recolor, text tool. Drawing filled and unfilled rectangles (squares) and ellipses (circles). Object selection and deselection, resize, translation, rotation, crop. Work with text: insert and edit text. Editing digital images: resize, canvas size, rotation, retouch. Sharpening tools, blur tools, darkening and lightening tools, coloring tools, brightness and contrast, color balance. Work with layers: add and delete layers, layer selection, layer properties. Selection tools: rectangle select, ellipse select, operations on selections. Work with filters.	
Literature: SOBOTA, B. – MILIÁN, J.: Grafické formáty. České Budějovice : Kopp. 1996. 157 s. ISBN 978-80-85828-58-8. ŽÁRA, J.: Moderní počítačová grafika : kompletní průvodce metodami 2D a 3D grafiky. Brno : Computer Press, 2010. 608 s. ISBN 978-80-251-0454-0.	

BUDAI, A.: A számítógépes grafika. Budapest : LSI Oktatóközpont, 2002. 390 s. ISBN 978-963-5772-43-2.
SZIRMAY-KALOS, L.: Számítógépes grafika. Budapest : ComputerBooks. 2003, 334 s. ISBN 978-963-6182-08-6.

Language, knowledge of which is necessary to complete a course:
Hungarian, Slovak

Notes:

Evaluation of subjects
Total number of evaluated students: 243

A	B	C	D	E	FX
65.84	26.34	5.35	0.82	1.23	0.41

Teacher: RNDr. Štefan Gubo, PhD.

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Idb/HW/15	**Name:** Computer Hardware
Types, range and methods of educational activities: **Form of study:** Lecture / Seminar / Practical **Recommended extent of course (in hours):** **Per week:** 0 / 0 / 2 **For the study period:** 0 / 0 / 26 **Methods of study:** present	
Number of credits: 2	
Recommended semester/trimester of study: 2.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject:	
Results of education:	
Brief syllabus:	
Literature:	
Language, knowledge of which is necessary to complete a course:	
Notes:	

Evaluation of subjects
Total number of evaluated students: 191

A	B	C	D	E	FX
43.98	15.18	12.57	10.99	12.04	5.24

Teacher: prof. András Molnár, PhD.
Date of last update: 03.03.2023
Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Idb/ OBP/15	**Name:** Bachelor thesis and its defence
Types, range and methods of educational activities: **Form of study:** **Recommended extent of course (in hours):** **Per week: For the study period:** **Methods of study:** present	
Number of credits: 4	
Recommended semester/trimester of study:	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject:	
Results of education:	
Brief syllabus:	
Literature:	
Language, knowledge of which is necessary to complete a course:	
Notes:	

Evaluation of subjects

Total number of evaluated students: 9

A	B	C	D	E	FX
66.67	22.22	11.11	0.0	0.0	0.0

Teacher:
Date of last update: 03.03.2023
Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Idb/ OS/15	**Name:** Operating Systems

Types, range and methods of educational activities:
Form of study: Lecture / Seminar / Practical
Recommended extent of course (in hours):
Per week: 1 / 0 / 2 **For the study period:** 13 / 0 / 26
Methods of study: present

Number of credits: 5

Recommended semester/trimester of study: 5.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
The course is finished by an exam. For assessment A should be obtained at least 90 percent, for assessment B at least 80 percent, for assessment C at least 70 percent, for assessment D at least 60 percent, for assessment E at least 50 percent. Credits will not be granted to students who obtain less than 50 percent.

Results of education:
After successfully completing the course the student is familiar with basic structures and functions of operating systems, user interfaces, the work in an operating system UNIX and Windows. He masters the operating system of single-user computers: 16-bit, 32 and 64-bit operating systems, processes, memory, file system, as well as the corresponding system terms of these functions. He learns the basic methods and algorithms used in the design and construction of operating systems that he can use in his practice.

Brief syllabus:
Introduction to the Operating systems, basic terms. History and classification of operating systems. Architecture of operating systems. Programming and user interface. Managing files and directories - name and file attributes. User rights, work with files and directories. Management and structure of disk devices. Management of resources. Management of processors and processes. Parallel processes - planning, communication and synchronization. Management of memory. Virtual memory management, memory segmentation.

Literature:
ÁCS, Z.: Linux operációs rendszer. Budapest 2004, ComputerBooks, 232 s. ISBN 9636183198.
ADAMIS, G.. – KNAPP, G..: Operációs rendszerek. Budapest : LSI Oktatóközpont, 2002, s. 278. ISBN 963 577 251 3.
CSERNY, L.: Mikroszámítógépek. Budapest : LSI Oktatóközpont, 2003, s. 330. ISBN 963 577 188 6.
DAHMKE, M.: Mikroszámítógépek operációs rendszerei. Budapest, 1986, Műszaki Könyvkiadó, 199 s. ISBN 963 10 6850 1.
KÓCZY, A. – KONDOROSI, K.: Operációs rendszerek mérnöki megközelítésben. Budapest : Panem Kiadó, 2000. ISBN 963 545250 0.

Language, knowledge of which is necessary to complete a course:
Hungarian language, Slovak language

Notes:

Evaluation of subjects
Total number of evaluated students: 310

A	B	C	D	E	FX
13.23	19.68	16.77	21.94	23.23	5.16

Teacher: prof. Dr. Annamária Várkonyiné Kóczy, DSc., RNDr. Štefan Gubo, PhD.

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Idb/PER/15	**Name:** Peripherical Devices of Computers
Types, range and methods of educational activities: **Form of study:** Lecture / Seminar / Practical **Recommended extent of course (in hours):** **Per week:** 1 / 0 / 1 **For the study period:** 13 / 0 / 13 **Methods of study:** present	
Number of credits: 2	
Recommended semester/trimester of study: 3.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject:	
Results of education:	
Brief syllabus:	
Literature:	
Language, knowledge of which is necessary to complete a course:	
Notes:	

Evaluation of subjects

Total number of evaluated students: 46

A	B	C	D	E	FX
50.0	21.74	10.87	13.04	2.17	2.17

Teacher: prof. Sándor Szénási, PhD.
Date of last update: 03.03.2023
Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Idb/ PP/15	**Name:** Propaedeuticsof programming
Types, range and methods of educational activities: **Form of study:** Lecture / Seminar / Practical **Recommended extent of course (in hours):** **Per week:** 0 / 0 / 2 **For the study period:** 0 / 0 / 26 **Methods of study:** present	
Number of credits: 2	
Recommended semester/trimester of study: 2.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject: During the semester students gain experience in programming in the microworld Imagine Logo and create custom animation in a graphical environment LogoMotion. Students from the mid-semester independently solve the programming tasks - semestral project of which outcome should be an own didactical project in Imagine. During the semester, students have the opportunity to consult his project (phase of creation) with teacher. At the end of the semester they submit the finished educational software (the electronic version), that is evaluated. Students must before classmates present and defend their project by an open discussion. Students are classified according to the average obtained in the overall assessment of the continuous preparing during the semester (50%) and according to the project (50%). For obtaining the classification A must be obtained at least 90% share of average, at least 80% for B, for C at least 70%, at least 60% for D, for E at least 50%. Credits for subject will not be assigned for the student, who is not at least 50% successful of the individual parts.	
Results of education: After successful completion of the course the student acquire an overview about the possibilities of teaching programming at the different types schools and levels of education through children's programming languages (microworlds), which can help in developing algorithmic thinking and acquire programming experiences in a playful way.	
Brief syllabus: • Teaching programming at different levels and degrees of education. • Place children's programming languages in the educational process. • Turtle Graphics - turtle, animated turtle. • LogoMotion - animation, timing, phase of turtles. • Basic control commands and elements of the program Imagine. • Data types - variables, texts, buttons and work with them. • Commands for the individual objects. • Sub-programs - their own procedures. • Events of individual objects, event response. • Conditions for process control. • Overlapping of objects, object testing.	

• Multimedia options of the Imagine environment - working with the sound and video.
• Planning and implementation of projects - didactical applications.

Literature:

1. FARKAS, K.: ComLogo példatár : Tematikus feladatsor a Logo tanuláshoz . Gyula : APC-Stúdió BT., 2004. 120 s. ISBN 963 9135 70 4.
2. STOFFA, V.: Algoritmizáció és programozás. (Algoritmizácia a programovanie) 1. kiadás, Komárom : Selye János Egyetem, Tanárképző Kar, 2005. 174 s. ISBN 80-969251-7-2.
3. TÓTH, P.: Gondolkodásfejlesztés az informatika oktatásban. Ligatura, 2004. 60 s. ISBN 9638611324xy.
4. VANKÓ, P.: Érdekes feladatok és játékok gyűjteménye mikrovilág környezetben. (Zbierka zaujímavých úloh a hier v prostredí Imagine). Komárno : Selye János Egyetem, 2010. DM.3784-PF.10.30A.6D. 43 s.
5. http://imagine.elte.hu/ [online]
6. http://imagine.infovek.sk [online]
7. http://logo.sulinet.hu/ [online]

Language, knowledge of which is necessary to complete a course:
Hungarian language, Slovak language

Notes:
none

Evaluation of subjects
Total number of evaluated students: 178

A	B	C	D	E	FX
33.71	21.35	12.36	6.74	13.48	12.36

Teacher: PaedDr. Krisztina Czakóová, PhD.

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Idb/ PR1/15	**Name:** Programming 1
Types, range and methods of educational activities: **Form of study:** Lecture / Seminar / Practical **Recommended extent of course (in hours):** **Per week:** 2 / 0 / 2 **For the study period:** 26 / 0 / 26 **Methods of study:** present	
Number of credits: 5	
Recommended semester/trimester of study: 1.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject: During the semester, students write two practical assessments. Students also solve some programming projects individually at home. The activity of students in classes is also taken into consideration, so students can get plus points. In practical assessments and programming project students need to achieve a minimum of 50%. Using all these assessments, the teacher of seminars prepare students continuous evaluation. The exam consists of a practical and theoretical programming tasks. Students in exam have to reach also a minimum of 50%. The final grade is calculated as a mean of continuous evaluation and exam mark. For the classification A at least 90%, for B at least 80%, for C at least 70%, for D at least 60%, and for E at least 50% must be obtained. Those students, who did not achieve the minimum 50% from any part, do not finish the course successfully.	
Results of education: After successful completion of course, students will know the fundamentals of structural programming, will be able to write algorithms as sequence of logical steps to different problems, draw flowcharts, and rewrite them into programs. Students will have experiences in the usage of programming environment, practice in programming using standard control structures and functions.	
Brief syllabus: • Algorithmization - Basic features of algorithms, forms of creating and expressing algorithms. • Oral and graphical expression of algorithms. • Basic elements of algorithms, and their usage. • Programming - The structure of programs in programming language. Syntax and semantics. • Data types, representation of standard data types in the programming language. • Standard data structures, basic commands. • Standard functions and procedures. • Programming, solving tasks (sorting algorithms). • Procedures and functions: hierarchy of program structure. Defining own functions. Global and local variables. • Procedures with and without parameters.	

• Extending the concept of data types using additional standard types and structures, their importance in solving problems (enumerated types, sets, files, etc.).
• The file, as useful tool of exchanging data between programs and their environment. The structure of files, declaration of files, file types, accessing files, operation on files.
• Standard procedures for processing files. Methods of file handling.
• Complex solution of problems.

Literature:

1. STOFFA, V.: Algoritmizáció és programozás. (Algoritmizácia a programovanie). 1. vyd. Komárno : Univerzita J. Selyeho v Komárne, 2005. 174 s. ISBN 80-969251-7-2.
2. BENKŐ, T.: Programozzunk Turbo Pascal nyelven ! Kezdőknek, középhaladóknak. Budapest : ComputerBooks, 2005. 556 s. ISBN 9636183236.
3. BENKŐ, L. at all.: Objektum orientált programozás Turbo Pascal nyelven 7. Budapest : ComputerBooks, 1997. 238 s. ISBN 9636181527.
4. BENTLEY, J.: Programming Pearls. 1. vyd. New York : ACM Press, 2000. 240 s. ISBN 0-201-65788-0.
5. MOLNÁR, Cs.: Programozás Turbo Pascal nyelven. (Programovanie v jazyku Turbo Pascal). Budapest : BBS-INFO, 2001. 234 s. ISBN 963 03 7152 9.
5. PONGOR, Gy.: Szabványos Pascal programozás és algoritmusok. (Štandardné programovanie v Pascale a algoritmy). Budapest : Műszaki könyvkiadó, 2002. 424 s. ISBN 9631625737.

Language, knowledge of which is necessary to complete a course:
Hungarian, Slovak, English

Notes:

Evaluation of subjects
Total number of evaluated students: 489

A	B	C	D	E	FX
14.31	12.68	16.16	21.27	26.58	9.0

Teacher: prof. József Zoltán Kató, DSc., PaedDr. Ladislav Végh, PhD.

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Idb/ PR2/15	**Name:** Programming 2
Types, range and methods of educational activities: **Form of study:** Lecture / Seminar / Practical **Recommended extent of course (in hours):** **Per week:** 2 / 0 / 2 **For the study period:** 26 / 0 / 26 **Methods of study:** present	
Number of credits: 5	
Recommended semester/trimester of study: 2.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject: The course ends with exam, where students can get 100 points. For the classification A at least 90 points, for B at least 80 points, for C at least 70 points, for D at least 60 points, and for E at least 50 points must be obtained.	
Results of education: After the successful accomplishment of the course, students will understand the concept of dynamic variable, dynamic data structures, and their implementation in the given programming language. They will acquire knowledge about the searching and sorting algorithms. Furthermore, students will be acquaint with various programming techniques.	
Brief syllabus: • Procedures and functions, creating own procedures and functions. • Data structures: set, record, enumerated type. • Using files: text files, typed binary files, untyped binary files. • Standard modules: System, Dos, Crt, Graph, String. • Special algorithms: Sorting, as an example for finding an effective algorithm: insertion sort, selection sort, bubblesort, binary insertion sort, shaker sort, lexicographic sort, merge sort, heapsort.... • Sorting files. • Programming techniques: Recursion. Recursive sorting algorithms: quicksort, merge sort. Comparing complexity of sorting algorithms. • Programming techniques: backtracking, iterative algorithms • Graph unit: graphic mode and its parameters (graphic driver, graphic mode and color depth, initializing graphic mode), procedures and functions of the graph unit, and their usage. • Graph, Winmouse units: Creating simple animations, using mouse (Winmouse unit). • Dynamic types and data structures: concept of dynamic variable, its representation in the computer's memory. Examples of dynamic data structures: linked list, stack, queue, and their usage in programming. • Implementing standard data structures (shift register, single linked list, double linked list, cyclic list, tree structure, net structures. Using appropriate data structure for simplifying the solution of problems.	

• Developing software products: from top to bottom, from bottom to top, functional and procedural programming, modular programming, creating units, Jackson method.
• Developing of software systems: Rules of developing programs: analyzing the problem, redefining problems, dividing problems into smaller parts, etc. Methods of developing software projects, and their characterization. Collaborating and managing a programming group.

Literature:

1. STOFFOVÁ, VERONIKA: ALGORITMIZÁCIÓ ÉS PROGRAMOZÁS I. Univerzita J. Selyeho, Komárno, 2005. ISBN 80-969251-7-2.
2. WIRTH, NIKLAUS: ALGORITMY A ŠTRUKTÚRY ÚDAJOV. Alfa, Bratislava, 1987. ISBN 80-05-00153-3.
3. MOLNÁR, CSABA: PROGRAMOZÁS TURBO PASCAL NYELVEN. BBS-INFO, Budapest, 2001. ISBN 963-0371-52-9.
4. ANGSTER, ERZSÉBET: PROGRAMOZÁS TANKÖNYV II.: STRUKTURÁLT TERVEZÉS TURBO PASCAL. 4KÖR Bt., Budapest, 2003. ISBN 963-4509-57-6.
5. PONGOR, GYÖRGY: SZABVÁNYOS PASCAL: PROGRAMOZÁS ÉS ALGORITMUSOK. Műszaki könyvkiadó, Budapest, 2003. ISBN 963-1625-73-7.
6. VÉGH, LADISLAV: PASCAL II. Komárno, 2004-2013. Dostupné na adrese: <http://prog.ide.sk/pas2.php>
7. STOFFOVÁ, Veronika – CZAKÓOVÁ, Krisztina – VÉGH, Ladislav: Programozás a gyakorlatban : Algoritmizáció és programozás II. Komárno : Univerzita J. Selyeho, 2015, 1. vyd. 124 s. ISBN 978-80-8122-146-0.

Language, knowledge of which is necessary to complete a course:
Hungarian, Slovak

Notes:

Evaluation of subjects
Total number of evaluated students: 623

A	B	C	D	E	FX
13.32	12.36	16.85	21.35	20.22	15.89

Teacher: PaedDr. Ladislav Végh, PhD., prof. József Zoltán Kató, DSc.

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Idb/ PR3/15	**Name:** Programming 3
Types, range and methods of educational activities: **Form of study:** Lecture / Seminar / Practical **Recommended extent of course (in hours):** **Per week:** 1 / 0 / 2 **For the study period:** 13 / 0 / 26 **Methods of study:** present	
Number of credits: 5	
Recommended semester/trimester of study: 3.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject: The course ends with exam, where students can get 100 points. For the classification A at least 90 points, for B at least 80 points, for C at least 70 points, for D at least 60 points, and for E at least 50 points must be obtained.	
Results of education: After the successful accomplishment of the course, students will be familiar with the visual, event-driven programming, and developing applications with graphical user interface under the modern operating systems. Furthermore, students will have knowledge about creating software products in visual environments, and will have fundamental knowledge needed for deeper understanding of object-oriented programming.	
Brief syllabus: • Programming under Windows operating system, review of programming languages, visual, event-driven programming. • Basic components and events, properties of components. • Object oriented programming, classes and objects, attributes and methods. • Constructor, destructor, visibility modifiers (public, private, protected). • Objects, inheritance, polymorphism, virtual, dynamic, and abstract methods. • Compatibility and casting classes. • Objects that are available for creating a simple application. • Graphics, drawing on canvas, creating simple animations. • Handling files, saving preferences into ini files and registers. • Standard dialogs (OpenDialog, SaveDialog, FontDialog, ColorDialog, ...). • Using more windows in an applications, developing SDI and MDI applications. • Events of the operating system, messages, reactions to the events of the operating system. • OOP in practice – practical examples, runtime creating of visual objects. • User requirements and taking them into consideration, written and unwritten rules of software development. • Testing software products, copyright, copyright protection.	
Literature:	

1. VÉGH, L.: PROGRAMOZÁS DELPHI-BEN I. KOMÁRNO : UNIVERZITA J. SELYEHO, 2012. ISBN 3. 978-80-8122-050-0.
2. VÉGH, L.: PROGRAMOZÁS DELPHI-BEN II. KOMÁRNO : UNIVERZITA J. SELYEHO, 2012. ISBN 978-80-8122-051-7.
3. LAZARUS DOCUMENTATION. 2014. http://wiki.freepascal.org/Lazarus_Documentation
4. CANTÚ, M.: DELPHI 7 MESTERI SZINTEN I. KÖTET. BUDAPEST : KISKAPU, 2003, S. 638. ISBN 963-9301-66-3.
5. KADLEC, V.: DELPHI K OKAMŽITÉMU POUŽITÍ – HOTOVÁ ŘEŠENÍ. BRNO : CP BOOKS, 2005, S. 312. ISBN 80-251-0017-0.
6. BENKŐ, L. – BENKŐ, T. – POPPE, A.: OBJEKTUM-ORIENTÁLT PROGRAMOZÁS C++ NYELVEN. BUDAPEST : COMPUTERBOOKS, 2002, S. 378. ISBN 963-6182-70-1.
7. ANGSTER, E.: OBJEKTUMORIENTÁLT TERVEZÉS ÉS PROGRAMOZÁS JAVA. BUDAPEST, 4KÖR, 2003. ISBN 963-0062-63-1.

Language, knowledge of which is necessary to complete a course:
Hungarian, Slovak

Notes:

Evaluation of subjects
Total number of evaluated students: 542

A	B	C	D	E	FX
19.37	14.58	14.76	17.16	23.8	10.33

Teacher: PaedDr. Ladislav Végh, PhD.

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University

Name of the faculty: Faculty of Education

Code: KMI/Idb/ PR4/15	**Name:** Programming 4

Types, range and methods of educational activities:
Form of study: Lecture / Seminar / Practical
Recommended extent of course (in hours):
Per week: 0 / 0 / 2 **For the study period:** 0 / 0 / 26
Methods of study: present

Number of credits: 2

Recommended semester/trimester of study: 4.

Level of study: I.

Prerequisites:

Conditions for passing the subject:

Results of education:

Brief syllabus:

Literature:

Language, knowledge of which is necessary to complete a course:

Notes:

Evaluation of subjects
Total number of evaluated students: 325

A	B	C	D	E	FX
24.31	18.77	19.08	18.77	16.31	2.77

Teacher: Dr. habil. Dr. Gábor Kiss, PhD.

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Idb/ PS/15	**Name:** Computer Networks
Types, range and methods of educational activities: **Form of study:** Lecture / Seminar / Practical **Recommended extent of course (in hours):** **Per week:** 2 / 0 / 1 **For the study period:** 26 / 0 / 13 **Methods of study:** present	
Number of credits: 5	
Recommended semester/trimester of study: 6.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject:	
Results of education:	
Brief syllabus:	
Literature:	
Language, knowledge of which is necessary to complete a course:	
Notes:	

Evaluation of subjects

Total number of evaluated students: 446

A	B	C	D	E	FX
11.21	12.78	25.78	18.61	22.2	9.42

Teacher: Ing. Ondrej Takáč, PhD.
Date of last update: 03.03.2023
Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Idb/ TAP/15	**Name:** Developing Applications
Types, range and methods of educational activities: **Form of study:** Lecture / Seminar / Practical **Recommended extent of course (in hours):** **Per week:** 0 / 0 / 2 **For the study period:** 0 / 0 / 26 **Methods of study:** present	
Number of credits: 2	
Recommended semester/trimester of study: 4.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject:	
Results of education:	
Brief syllabus:	
Literature:	
Language, knowledge of which is necessary to complete a course:	
Notes:	

Evaluation of subjects
Total number of evaluated students: 350

A	B	C	D	E	FX
34.57	26.29	19.14	11.43	3.43	5.14

Teacher: PaedDr. Krisztina Czakóová, PhD.
Date of last update: 03.03.2023
Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Idb/ TAZ/15	**Name:** Algorithm and Complexity Theory

Types, range and methods of educational activities:
Form of study: Lecture / Seminar / Practical
Recommended extent of course (in hours):
Per week: 2 / 1 / 0 **For the study period:** 26 / 13 / 0
Methods of study: present

Number of credits: 5

Recommended semester/trimester of study: 5.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
During the semester will be held two written tests by 20 points. The course is finished by an exam where it is possible to obtain 60 points. For assessment A should be obtained at least 90 points, for assessment B at least 80 points, for assessment C at least 70 points, for assessment D at least 60 points, for assessment E at least 50 points. Credits will not be granted to students who obtain less than 50 points.

Results of education:
At the end of the course, students will obtain an overview of the basic concepts of Algorithm and Complexity Theory. They will be familiar with sorting algorithms, mathematical models of computers, complexity classes and algorithmically unsolvable problems.

Brief syllabus:
Algorithm, properties of algorithms.
Correctness of algorithms, proving correctness of algorithms.
Complexity of algorithms – time and space complexity. Asymptotic complexity.
Algorithms for searching in sorted array. Linear and Binary search.
Sorting algorithms and their complexity: Bubble Sort, Insertion Sort, Binary Insertion Sort, Selection Sort.
Sorting algorithms and their complexity: Merge Sort, Quick Sort, Heap Sort.
Sorting algorithms and their complexity: Counting Sort, Radix Sort, Bucket Sort.
Hash tables and their use. Hash functions.
Mathematical models of computers: Turing machine.
Mathematical models of computers: RAM
Computation Theory - recursively enumerable and recursive languages, and partial recursive and recursive functions. Church–Turing thesis.
Complexity classes P and NP. NP-complete problems. The NPC class.
Algorithmically unsolvable problems, the Halting problem for Turing machines.

Literature:
WIRTH, N.: Algoritmy a štruktúry údajov. Bratislava : Alfa, 1989. 488 s. ISBN 80-05-00153-3.
RÓNYAI, L. – IVANYOS, G. – SZABÓ, R.: Algoritmusok. Budapest : Typotex, 2005. 350 s. ISBN 978-963-2790-14-5.

CORMEN, T. H. – LEISERSON, CH. E. – RIVEST, R. L.: Algoritmusok. Budapest : Műszaki Könyvkiadó, 2003. 884 s. ISBN 978-963-1630-29-9.
CORMEN, T. H. – LEISERSON, CH. E. – RIVEST, R. L. – STEIN, C.: Új algoritmusok. Budapest : Scolar Kft., 2003. 992 s. ISBN 978-963-9193-90-1.

Language, knowledge of which is necessary to complete a course:
Hungarian, Slovak

Notes:

Evaluation of subjects
Total number of evaluated students: 306

A	B	C	D	E	FX
21.57	7.19	16.34	18.63	29.74	6.54

Teacher: RNDr. Štefan Gubo, PhD.

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Idb/ TFJ/15	**Name:** Theory of Formal Languages
Types, range and methods of educational activities: **Form of study:** Lecture / Seminar / Practical **Recommended extent of course (in hours):** **Per week:** 1 / 2 / 0 **For the study period:** 13 / 26 / 0 **Methods of study:** present	
Number of credits: 5	
Recommended semester/trimester of study: 4.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject: During the semester will be held two written tests by 20 points. The course is finished by an exam where it is possible to obtain 60 points. For assessment A should be obtained at least 90 points, for assessment B at least 80 points, for assessment C at least 70 points, for assessment D at least 60 points, for assessment E at least 50 points. Credits will not be granted to students who obtain less than 50 points.	
Results of education: At the end of the course, students will obtain an overview of the basic concepts of Theory of Formal Languages and Automata. They will be able to create regular and context-free grammars, finite and push-down automata.	
Brief syllabus: Introduction to the Theory of Formal Languages and Automata, basic terms. The Chomsky hierarchy of grammars, the Chomsky hierarchy of languages. Regular languages – basic terms. Nondeterministic and deterministic finite automata. Connection between regular grammars and finite automata. Regular expressions. Pumping lemma for regular languages. Context-free languages – basic terms. Push-down automata, nondeterminism of push-down automata. Equivalence between context-free languages and push-down automata. Pumping lemma for context-free languages. Top-down parsing, bottom-up parsing.	
Literature: GUBO, Š.: Formális nyelvek és automaták. Komárno : Univerzita J. Selyeho, 2015. 131 s. ISBN 978-80-8122-148-4. DEMLOVÁ, M. – KOUBEK, V.: Algebraická teorie automatů. Praha : SNTL, 1990., 288 s. ISBN 978-80-03-00348-2. BACH, I.: Formális nyelvek. Budapest : Typotex, 2002. 227 s. ISBN 978-963-9132-92-6.	

FÜLÖP, Z.: Formális nyelvek és szintaktikus elemzésük. Szeged : Polygon, 1999. 124 s. ISSN 1417-0590.

Language, knowledge of which is necessary to complete a course:
Hungarian, Slovak

Notes:

Evaluation of subjects
Total number of evaluated students: 361

A	B	C	D	E	FX
11.63	9.42	19.39	15.51	22.44	21.61

Teacher: RNDr. Štefan Gubo, PhD.

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Idb/ TPS/15	**Name:** Educational Software Development

Types, range and methods of educational activities:
Form of study: Lecture / Seminar / Practical
Recommended extent of course (in hours):
Per week: 1 / 0 / 2 **For the study period:** 13 / 0 / 26
Methods of study: present

Number of credits: 4

Recommended semester/trimester of study: 6.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
Students during the semester independently solve a programming tasks - semestral project of which outcome should be an own educational software. During the semester, students have the opportunity to consult his project (phase of creation) with teacher. At the end of the semester they submit the finished educational software (the electronic version and the instructions for use), that is evaluated. Students must get at least the 50% of the total evaluation, to be allowed to pass the examination. The exam is combined and consists of practical part - presentation of the finished educational software and verification of theoretical knowledge from creation of educational software. The students, to be classified, must be also successful at least 50% on the exam. Students are classified according to the average obtained in the overall assessment of the continuous preparing (semestral project) during the semester (50%) and according to the exam (50%). For obtaining the classification A must be obtained at least 90% share of average, at least 80% for B, for C at least 70%, at least 60% for D, for E at least 50%. Credits for subject will not be assigned for the student, who is not at least 50% successful of the individual parts.

Results of education:
After successful completion of this course the students are proficient in basic of creation of educational software, they are able to select the right algorithm for solving the problem, they know the pedagogical and psychological aspects of creation of educational software. They are aware of the features of the computer in different forms and phases of learning and are able to choose and skillful use appropriate programming environment (optionally also combine different environments) for the creation of educational software for some topic. They master rules for a correct creation of software product documentation.

Brief syllabus:
• Computer options in different forms and phases of learning,
• presenting the educational content - computer skills,
• Computer based knowledge testing,
• the possibility of creating animation in different programming languages,
• the possibility of creating an interactive user interface,
• multimedia options in the learning process,
• pedagogical and psychological aspects of creation of educational software,

• comparison of the specifics of the first, the second level of elementary school and secondary schools,
• choice of the appropriate topic for educational software based on consultation with teachers in praxis,
• implementation of educational software,
• rules for a correct creation software product documentation,
• testing of final products in real conditions.

Literature:

1. ANGSTER, E.: Az objektumorientált tervezés és programozás alapjai. Budapest : Akadémiai, 2000. 312 s.ISBN 9636508186.
2. BENKŐ, L. at all: Objektum orientált programozás Turbo Pascal nyelven 7. Budapest : ComputerBooks, 1997. 238 s. ISBN 9636181527.
3. CHAPMAN, N. - CHAPMAN, J.: Digitel multimedia: Second Edition, 2003. 700 s. ISBN 0470858907.
4. KADLEC, V.: Učíme se programovat v Delphi a jazyce OBJECT PASCAL. Brno : Computer Press, 2002. 290 s. ISBN 8072262459.
5. MCCARTHY, J.: Softwarové projekty. 1. vyd. Praha : Computer Press, 1999. 190 s. ISBN 80-7226-164-0.
6. MCCARTHY, J.: Softwarové projekty. Brno : Computer Press, 1999. 190 s. ISBN 8072261940.
7. STOECKER, M.: Developing Wisndows-Based Applicatoins with Microsft. Microsoft .net, 2003. 600 s. ISBN 0735619263.
8. STOFFOVÁ, V.: Informačné technológie a výpočtová technika. Prírodovedec, Nitra, 2001. ISBN 80-8050-450-4.
9. SZIRMAY-KALOS, L. - LÁSZLÓ, Z. – KONDOROSI, K.: Objektum-orientált szoftverfejlesztés. Budapest : ComputerBooks, 2001. 427 s. ISBN 963 618 108 X.
10. SZIRMAY-KALOS, L. Háromdimenziós grafika, animáció és játékfejlesztés. Budapest : ComputerBooks, 2004. 486 s. ISBN 9636183031.
11. VÁMOSSY, Z.: Delphi a gyakorlatban. Bicske : Szak, 2002. 132 s. ISBN 963 9131 22 9.
12. VÉG, Cs.: Alkalmazásfejlesztés : a Unified Modeling Language szabványos jelöléseivel. Debrecen : Logos 2000, 1999. 246 s. ISBN 963 03 7660 1.

Language, knowledge of which is necessary to complete a course:
Hungarian language, Slovak language, English language

Notes:
none

Evaluation of subjects
Total number of evaluated students: 319

A	B	C	D	E	FX
25.39	31.03	14.11	11.91	7.21	10.34

Teacher: PaedDr. Krisztina Czakóová, PhD.

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Idb/ UDI/15	**Name:** Introduction to Informatics

Types, range and methods of educational activities:
Form of study: Lecture / Seminar / Practical
Recommended extent of course (in hours):
Per week: 1 / 1 / 0 **For the study period:** 13 / 13 / 0
Methods of study: present

Number of credits: 3

Recommended semester/trimester of study: 1.

Level of study: I.

Prerequisites:

Conditions for passing the subject:

Results of education:

Brief syllabus:

Literature:

Language, knowledge of which is necessary to complete a course:

Notes:

Evaluation of subjects
Total number of evaluated students: 322

A	B	C	D	E	FX
20.81	13.98	14.91	16.46	27.02	6.83

Teacher: Dr. habil. Attila Elemér Kiss, CSc.

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Idb/ŠSBc/15	**Name:** Informatics
Types, range and methods of educational activities: **Form of study:** **Recommended extent of course (in hours):** **Per week: For the study period:** **Methods of study:** present	
Number of credits: 2	
Recommended semester/trimester of study:	
Level of study: I.	
Prerequisites: KMI/Idb/PR1/15 and KMI/Idb/UDI/15 and KMI/Idb/DM/15 and KMI/Idb/PR2/15 and KMI/Idb/AP/15 and KMI/Idb/PR3/15 and KMI/Idb/DS1/15 and KMI/Idb/TFJ/15 and KMI/Idb/OS/15 and KMI/Idb/TAZ/15 and KMI/Idb/PS/15 and KMI/Idb/TPS/15	
Conditions for passing the subject:	
Results of education:	
Brief syllabus:	
Literature:	
Language, knowledge of which is necessary to complete a course:	
Notes:	

Evaluation of subjects

Total number of evaluated students: 32

A	B	C	D	E	FX
31.25	28.13	12.5	9.38	15.63	3.13

Teacher:
Date of last update: 03.03.2023
Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Mdb/ ALG1/15	**Name:** Algebra 1
Types, range and methods of educational activities: **Form of study:** Lecture / Seminar / Practical **Recommended extent of course (in hours):** **Per week:** 2 / 1 / 0 **For the study period:** 26 / 13 / 0 **Methods of study:** present	
Number of credits: 5	
Recommended semester/trimester of study: 5.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject: Evaluation is based on two tests written during the semester, each worth 50 points. The minimum scores required to earn for the individual grades are the following: 91 points for A, 81 points for B, 71 points for C, 61 points for D and 51 points for E. If the above conditions are not met, a written exam worth 100 points is to be taken during the examination period.	
Results of education: Basic concepts of abstract algebra, binary operations, algebraic structures. Group, sub-group. The student is introduced to the basic concepts of abstract algebra, is able to classify the fundamental and binary operation algebraic structures. He is aware of the concept of group homomorphism and is able to determine the core and image of homomorphism. He knows the even and odd permutations and the concept of ideal, maximal ideal and prime ideal.	
Brief syllabus: Elements of abstract algebra, binary operations and algebraic structures. Group, subgroup, homomorphism, standard dividers, cyclic groups. Permutation groups, the parity of permutations. Ring, integral domain, numerical body. Divisibility in integral domains. Gauss rings, Euclidean rings, polynomial rings. Ideals, maximal and prime ideal.	
Literature: Kaluzsnyin: Bevezetés az absztrakt algebrába, Tankönyvkiadó, Budapest,1979. 473s. ISBN 963 17 4369 1. Szendrei, J.: Algebra és számelmélet, Nemzeti Tankönyvkiadó, Budapest, 2001. ISBN 9631924017	
Language, knowledge of which is necessary to complete a course: Hungarian, Slovak	
Notes:	
Evaluation of subjects Total number of evaluated students: 104	

A	B	C	D	E	FX
10.58	24.04	20.19	19.23	18.27	7.69
Teacher: prof. László Szalay, DSc.					
Date of last update: 03.03.2023					
Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.					

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Mdb/ ALG2/15	**Name:** Algebra 2

Types, range and methods of educational activities:
Form of study: Lecture / Seminar / Practical
Recommended extent of course (in hours):
Per week: 2 / 1 / 0 **For the study period:** 26 / 13 / 0
Methods of study: present

Number of credits: 5

Recommended semester/trimester of study: 6.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
Evaluation is based on two tests written during the semester, each worth 50 points. The minimum scores required to earn for the individual grades are the following: 91 points for A, 81 points for B, 71 points for C, 61 points for D and 51 points for E. If the above conditions are not met, a written exam worth 100 points is to be taken during the examination period.

Results of education:
The student understands the basic properties of polynomials. He knows and is able to apply the Horner method in polynomial root finding. He knows the polynomial division and can determine the greatest common divisor of two polynomials using the Euclidean algorithm. The student can decompose the polynomials into multiplied irreducible polynomials over a number of different numerical bodies. He is familiar with the fundamentals of algebra and the connection between radicals and coefficients. He is aware of the solving formulas for second and third degree equations as well as the solving methods of binomial equations and those reducible to a lesser degree.

Brief syllabus:
Polynomials and polynomial functions. Horner's scheme. Divisibility of polynomials, Euclidean algorithm. Roots of polynomials, decomposition of polynomial into irreducible factors. Polynomials over rational, real and complex numerical bodies. The fundamental proposition of algebra. Taylor’s series expansion, multiple radicals. Symmetric polynomials. Connection between radicals and coefficients. Solving second- and third-degree equations, binomial equations. Approximate solutions of equations.

Literature:
Katriňák a kol.: Algebra a teoretická aritmetika 1, Alfa, Bratislava, 1985
Kaluzsnyin: Bevezetés az absztrakt algebrába, Tankönyvkiadó, Budapest,1979. 473s. ISBN 963 17 4369 1.
Szendrei, J.: Algebra és számelmélet, Nemzeti Tankönyvkiadó, Budapest, 2001. ISBN 9631924017

Language, knowledge of which is necessary to complete a course:
Hungarian, Slovak

Notes:

Evaluation of subjects
Total number of evaluated students: 133

A	B	C	D	E	FX
13.53	18.8	18.8	18.8	27.07	3.01

Teacher: prof. László Szalay, DSc.

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Mdb/ FAP/15	**Name:** Functions and Sequences
Types, range and methods of educational activities: **Form of study:** Lecture / Seminar / Practical **Recommended extent of course (in hours):** **Per week:** 1 / 2 / 0 **For the study period:** 13 / 26 / 0 **Methods of study:** present	
Number of credits: 4	
Recommended semester/trimester of study: 1.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject: During the semester, students write two tests, each worth 10 points. They can also obtain maximum 10 points for homework and presentations. The exam consists of a written and oral part, each worth maximum 35 points. After adding up the results, the minimum and maximum scores required to earn for the individual grades are the following: minimum 91 points for A, 81-90 points for B, 71-80 points for C, 61-70 points for D and 51-60 points for E.	
Results of education: The students recognize the basic functions and sequences of mathematical analysis. He is able to identify important function features and apply them correctly when solving tasks. He knows the exact interpretation of sequence limits. He is able to calculate the limit of specific sequences and examine the question of convergence for sequences.	
Brief syllabus: General function concept. Interpretation range and domain. Elementary functions and basic function properties. Function transformations and the representation of elementary functions. Intermittent functions. The composition of functions and the concept of inverse functions. Arcos and hyperbolic functions. Number sequences. Arithmetic, geometric and recursive sequences. Complete induction. Convergence of sequences. Classification of divergent sequences. Cauchy's criterion for convergence. Limit of bounded and monotone functions. Partial sequences. Limits of noted functions. Euler's number.	
Literature: T. Neubrunn, J. Vencko: Matematická analýza 1, skriptum, Bratislava, UK 1989. 190 s. ISBN 80-223-0055-1. G.B. Thomas: Thomas-féle KALKULUS I. kötet - 3.,javított kiadás, Budapest, Typotex 2011 T. Szerényi: Analízis, Budapest, Tankönyvkiadó 1990. 560 s. ISBN 963 18 30009 8. Gy.J. Obádovics: Felsőbb matematikai feladatgyűjtemény, Scolar 2003. 562. ISBN 9639193119. J. Urbán: Határértékszámítás, Budapest, Műszaki Könyvkiadó 2003. 452 s. ISBN 963 16 3072 2. G. Denkinger, L. Gyurkó: Analízis: Gyakorlat, Budapest, Nemzeti Tankönyvkiadó 2001. 379. ISBN 9631946134.	
Language, knowledge of which is necessary to complete a course:	

Hungarian, Slovak

Notes:

Evaluation of subjects
Total number of evaluated students: 54

A	B	C	D	E	FX
18.52	12.96	11.11	29.63	24.07	3.7

Teacher: Dr. habil. Kálmán Csaba Liptai, PhD.

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Mdb/ GEO1/15	**Name:** Geometry 1

Types, range and methods of educational activities:
Form of study: Lecture / Seminar / Practical
Recommended extent of course (in hours):
Per week: 2 / 1 / 0 **For the study period:** 26 / 13 / 0
Methods of study: present

Number of credits: 5

Recommended semester/trimester of study: 3.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
For the successful completion of the course students are expected to hand in homework assignments (30 points) and pass an exam at the end of the semester consisting of a written part (50 points) and an oral part (20 points). The minimum scores required to achieve for the individual grades are the following: 91 points for A, 81 points for B, 71 points for C, 61 points for D and 51 points for E.

Results of education:
The course deals with the topics of the Euclidean plane geometry while developing logical and creative thinking and deepening the knowledge of geometrical plane shapes. By successfully completing the course students acquire in-depth knowledge of the Euclidean geometry and gain an overview over the area they might need as future teachers of mathematics. The student knows the structure of geometry, the composition principles of plane geometry, the specified topic areas of the syllabus and he can use them in geometrical drawing tasks.

Brief syllabus:
Basic concepts of geometry, matching, sorting, mutual position of linear spatial elements, congruence. Geometrical places (point sets with specific properties). Basic principles of solving geometrical drawing tasks. Classification of plane shapes. The golden section ratio and its application. Metric properties of geometric shapes. Triangular geometry. Circular geometry. Central and peripheral angles. Cyclic quadrilaterals. Power of point over circle, power line. Drawing tasks. Solving Apollonius tasks (without circular inversion)

Literature:
Hajós, Gy.: Bevezetés a geometriába, Nemzeti Tankönyvkiadó, Budapest, 1999. 596. ISBN 9631901165
Horvay, K.: Geometriai feladatok gyűjteménye I-II., Nemzeti Tankönyvkiadó, Budapest, 1993. ISBN 9631848868
Pelle, B.: Geometria, Tankönyvkiadó, Budapest, 1974. ISBN 9631707466
Szendrei, J.: Geometria, Budapesti Tanítóképzo Foiskola, Budapest, 1999. - 92. - ISBN 0001687
Birkhoff, G. D.: Basic Geometry, Ralph Beatley. - NY : AMS Chelsea Publishing, 1959. - 294. - ISBN 0821821016
Vermes, I.: Geometria, Műegyetemi Kiadó, 2003. - 270 s. - ISBN 0147845

Reiman I.: Fejezetek az elemi geometriából, Nemzeti Tankönyvkiadó, 2002. - 206 s. - ISBN 963 9132 28 4.

Language, knowledge of which is necessary to complete a course:
Hungarian and Slovak

Notes:

Evaluation of subjects
Total number of evaluated students: 127

A	B	C	D	E	FX
12.6	21.26	14.17	14.96	28.35	8.66

Teacher: Dr. habil. RNDr. Peter Csiba, PhD.

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Mdb/ GEO2/15	**Name:** Geometry 2

Types, range and methods of educational activities:
Form of study: Lecture / Seminar / Practical
Recommended extent of course (in hours):
Per week: 2 / 1 / 0 **For the study period:** 26 / 13 / 0
Methods of study: present

Number of credits: 5

Recommended semester/trimester of study: 4.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
For the successful completion of the course students are required to actively participate in seminars (10 points) and pass two written tests (worth 40 and 50 points). The minimum scores required to achieve for the individual grades are the following: 91 points for A, 81 points for B, 71 points for C, 61 points for D and 51 points for E.

Results of education:
The student knows the relations in the axiomatic structure of geometry, including the concept of vector space, affine space or Euclidean space. He knows and understands the abstraction of the n-dimensional space and is capable of interpreting calculations in the n-dimensional space. He is able to choose the appropriate coordinate system and solve analytical geometrical tasks in it.

Brief syllabus:
Vector and vector operations. Vector space, dimensional affine space. Affine coordinate system. Linear subspaces. Mutual positions of linear subspace. Divider relations. Barycentric coordinates. Ceva and Menelaus theorems. Scalar product of vectors, metric properties of vectors. Orthogonal and orthonormal coordinate systems. Euclidean space. Analytical determination of geometrical places (median perpendicular, bisector, circle, conic sections,...)

Literature:
Hajós, Gy.: Bevezetés a geometriába, Nemzeti Tankönyvkiadó, Budapest, 1999. 596s. ISBN 9631901165
Pogorelov, A.: Geometry, Moskva : MIR Publishers, 1987. - 311 s.
Kovács, Z.: Geometria, Kossuth Egyetemi Kiadó, Debrecen, 2002. 160s. ISBN 0013796
Reiman I.: Geometria és határterületei, Szalay Könyvkiadó és Kereskedőház Kft., 1999. - 446 s. - ISBN 963 237 012 0.
Skljarszkij, D. O., Csencov, N. N., Jaglom, I. M. .: Válogatott feladatok és tételek az elemi matematika köréből 2/1 : Geometria I. (Planimetria), Tankönyvkiadó, Budapest, 1972. - 261 s.
Baboss, Cs: Geometriai példatár 1., Koordináta-geometria, Nyugat-magyarországi Egyetem, 2010. dostupná na adrese: http://www.tankonyvtar.hu/hu/tartalom/tamop425/0027_GEM1/ch01.html

Language, knowledge of which is necessary to complete a course:

Hungarian, Slovak

Notes:

Evaluation of subjects
Total number of evaluated students: 104

A	B	C	D	E	FX
8.65	18.27	12.5	19.23	31.73	9.62

Teacher: Dr. habil. RNDr. Peter Csiba, PhD.

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Mdb/ GEO3/15	**Name:** Geometry 3
Types, range and methods of educational activities: **Form of study:** Lecture / Seminar / Practical **Recommended extent of course (in hours):** **Per week:** 2 / 1 / 0 **For the study period:** 26 / 13 / 0 **Methods of study:** present	
Number of credits: 5	
Recommended semester/trimester of study: 5.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject: For the successful completion of the course students are expected to hand in homework assignments (20 points), pass a written mid-year test (30 points) and take an exam at the end of the semester consisting of a written part (30 points) and an oral part (20 points). The minimum scores required to achieve for the individual grades are the following: 91 points for A, 81 points for B, 71 points for C, 61 points for D and 51 points for E.	
Results of education: The student knows the properties of geometric transformations in the topic area and is able to apply them when solving geometrical tasks.	
Brief syllabus: Congruency mappings, their types and properties, invariant elements. Composition of congruency mappings. Congruency mapping group. Using congruency mappings in resolving geometric drawing tasks. Similarity mappings. Central similarity. Similarity mapping group. Euclid's theorems. Affine transformations – axis affinity. Basic concepts of projective mappings. Solving drawing tasks using mappings.	
Literature: Hajós, Gy.: Bevezetés a geometriába, Nemzeti Tankönyvkiadó, Budapest, 1999. 596s. ISBN 9631901165. Coxeter, H.S.M..: A geometriák alapjai, Műszaki Könyvkiadó, Budapest, 1987. - 470 s. - ISBN 963 10 6843 9. Coxeter, H.S.M. - Greitzer, S.L.: Az újra felfedezett geometria, Gondolat, Budapest, 1977. - 288 s. - ISBN 963 280 512 7. Horvay, K.: Geometriai feladatok gyűjteménye I-II., Nemzeti Tankönyvkiadó, Budapest, 1993. ISBN 9631848868 Skljarszkij, D. O., Csencov, N. N., Jaglom, I. M. .: Válogatott feladatok és tételek az elemi matematika köréből 2/1 : Geometria I. (Planimetria), Tankönyvkiadó, Budapest, 1972. - 261 s.	
Language, knowledge of which is necessary to complete a course: Hungarian, Slovak	
Notes:	

Evaluation of subjects
Total number of evaluated students: 94

A	B	C	D	E	FX
14.89	15.96	29.79	17.02	19.15	3.19

Teacher: Dr. habil. RNDr. Peter Csiba, PhD.

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Mdb/ KOM/15	**Name:** Combinatorics

Types, range and methods of educational activities:
Form of study: Lecture / Seminar / Practical
Recommended extent of course (in hours):
Per week: 0 / 2 / 0 **For the study period:** 0 / 26 / 0
Methods of study: present

Number of credits: 2

Recommended semester/trimester of study: 3.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
During the semester will be held two written clearance by 50 points. Of the total of 100 points it is needed to obtain at least 91 points on the valuation A, for grade B is necessary to obtain 81 points, for grade C at least 71 points, for grade D at least 61 points and for grade E at least 51 points. For the student, who obtained less than 25 points in any written clearance, at the end of semester a final written clearance will be held with max. 100 points.

Results of education:
After successful completion of this course students will obtain knowledge of basic concepts of combinatorics and will be able to solve the tasks of combinatorial type. They will know the basic properties of Pascal's triangle and the relationship between binomial coefficients. At the same time they acquire basic knowledge of classical probability

Brief syllabus:
Basic concepts of combinatorics, combinations, variations, permutations. Binomial coefficients. Basic features of Pascal's triangle. Relations between binomial coefficients. Composed and problem task solving. Combinatorial geometry. Sorting and arrangement, arrangement models. Solving combinatorial problems of mathematical competitions. Basic concepts of classical probability. Discrete probability: uniform, binomial, polynomial, shuffle with repetition, shuffle without opakovania. Basic types of tasks.

Literature:
Bege Antal, Kása Zoltán.: Algoritmikus kombinatorika és számelmélet, 1. vyd. - Kolozsvár : Presa Universitara Clujeana, 2006. - 214 s. - ISBN 978-973-610-446-6.
Szendrei Ágnes.:Diszkrét matematika : Logika, Algebra, Kombinatorika, 3. vyd. - Szeged : POLYGON Jegyzettár, 1998. - 380 s.
Varga Tamás.: Játsszunk matematikát! 2. : Tér és sík, Valószínűség, Logika és kombinatorika - Budapest : Móra Könyvkiadó, 1976. - 120 s. - ISBN 963 11 0581 4.
Lovász László.:Kombinatorika : az általános és középiskolai matematika szakkörök számára. Budapest : Tankönyvkiadó, 1970. - 127 s. - ISBN 0012875.
Róka Sándor.: 2000 feladat az elemi matematika köréből. 6. vyd. - Budapest : Typotex Kiadó, 2010. - 378 s. - ISBN 978 963 279 163 0.

Language, knowledge of which is necessary to complete a course:
hungarian, slovak

Notes:

Evaluation of subjects
Total number of evaluated students: 51

A	B	C	D	E	FX
5.88	3.92	17.65	19.61	37.25	15.69

Teacher: PaedDr. Tomás Visnyai, PhD., RNDr. Zuzana Árki, PhD.

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Mdb/ KSM/15	**Name:** Chapters from High School Mathematics
Types, range and methods of educational activities: **Form of study:** Lecture / Seminar / Practical **Recommended extent of course (in hours):** **Per week:** 0 / 2 / 0 **For the study period:** 0 / 26 / 0 **Methods of study:** present	
Number of credits: 2	
Recommended semester/trimester of study: 2.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject:	
Results of education:	
Brief syllabus:	
Literature:	
Language, knowledge of which is necessary to complete a course:	
Notes:	

Evaluation of subjects
Total number of evaluated students: 58

A	B	C	D	E	FX
22.41	8.62	8.62	17.24	24.14	18.97

Teacher: Mgr. Miklós Vontszemű
Date of last update: 03.03.2023
Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Mdb/ LA/15	**Name:** Linear algebra

Types, range and methods of educational activities:
Form of study: Lecture / Seminar / Practical
Recommended extent of course (in hours):
Per week: 2 / 1 / 0 **For the study period:** 26 / 13 / 0
Methods of study: present

Number of credits: 5

Recommended semester/trimester of study: 2.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
During the semester will be held two written clearance by 40 points and for the active work of student in WebWork-system can the student obtain 20 points. Of the total of 100 points it is needed to obtain at least 90 points on the valuation A, for grade B is necessary to obtain 80 points, for grade C at least 70 points, for grade D at least 60 points and for grade E at least 50 points. For the student, who obtained less than 20 points in any written clearance, at the end of semester a final written clearance will be held with max. 80 points. Then at the end of the semester also an oral exam will be held, where the student can get 100 points.

Results of education:
After successful completion of this course students will know and control the basic properties of algebraic structures and the basic concepts of linear algebra. In solving the tasks of daily practice are able to apply basic methods of linear algebra. Furthermore, students are able to solve tasks and the computer in the CAS system using MATLAB or other suitable free software.

Brief syllabus:
Algebraic structures.
Vector space. Subspace of a vector space.
Linear dependence and independence of vectors.
Dimension and base vector space.
Matrices, operations with matrices.
Rank of a matrix.
Linear mapping, matrix of the linear mapping.
Composition of linear mappings.
Matrix inversion.
Solving homogeneous and inhomogeneous systems of linear equations.
Determinant, basic features and applications.
Eigenvalues and eigenvectors.

Literature:
1. Katriňák, T. a kol.: Algebra a teoretická aritmetika 1. Bratislava : UK Bratislava, 1995, s. 351. ISBN 80-223-0986-9.

2. SZENDREI, J.: Algebra és számelmélet. Budapest : Nemzeti tankönyvkiadó, 2001, s. 475. ISBN 963 19 2401 7.
3. Fried, E.: Algebra I.: Elemi és lineáris algebra. Budapest : Nemzeti Tankönyvkiadó, 2000, s. 334. ISBN 963 19 11764.

Language, knowledge of which is necessary to complete a course:
hungarian, slovak

Notes:

Evaluation of subjects
Total number of evaluated students: 113

A	B	C	D	E	FX
19.47	15.93	29.2	13.27	20.35	1.77

Teacher: prof. RNDr. János Tóth, PhD., Mgr. Szilárd Svitek

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Mdb/ MA1/15	**Name:** Mathematical Analysis 1

Types, range and methods of educational activities:
Form of study: Lecture / Seminar / Practical
Recommended extent of course (in hours):
Per week: 2 / 1 / 0 **For the study period:** 26 / 13 / 0
Methods of study: present

Number of credits: 5

Recommended semester/trimester of study: 2.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
During the semester, students write two tests, each worth 10 points. They can also obtain maximum 10 points for homework and presentations. The exam consists of a written and oral part, each worth maximum 35 points. After adding up the results, the minimum and maximum scores required to earn for the individual grades are the following: minimum 91 points for A, 81-90 points for B, 71-80 points for C, 61-70 points for D and 51-60 points for E.

Results of education:
The student is able to determine the properties of one-variable real functions related to limits, continuity and differential calculations. He has acquired the appropriate theoretical background of differential calculus. He understands the proofs of the most important theorems of the subject and can reproduce its main motives. Acquired key concepts and methods: limits of functions, methods of determining limits, continuity, differentials, derivative function, definition of extremes, L'Hospital's rule, Taylor polynomial.

Brief syllabus:
Limits and continuity of real functions of one variable. The transfer principle. Continuity at a point and set. Uniform continuity. Properties of functions continuous on the bounded, closed interval. Differential calculus for real functions of one variable. Differentiability and the basic rules of differential calculus. Derivatives of elementary functions. Higher order derivatives. Relation of the local properties of the derivative and the function. Mean value formulas. Examining functions and defining the function graph. L'Hospital's rule. Error estimates of the Taylor polynomial and the Taylor approximation.

Literature:
T. Neubrunn, J. Vencko: Matematická analýza 1, skriptum, Bratislava, UK. 1992. 190 s. ISBN 80-223-0055-1.
G.B. Thomas: Thomas-féle KALKULUS I. kötet - 3.,javított kiadás, Budapest, Typotex 2011
T. Szerényi: Analízis, Budapest, Tankönyvkiadó 1990. 560 s. ISBN 963 18 30009 8.
J. Urbán: Határértékszámítás, Budapest, Műszaki Könyvkiadó 2003. 452 s. ISBN 963 16 3072 2.
G. Denkinger, L. Gyurkó: Analízis: Gyakorlat, Budapest, Nemzeti Tankönyvkiadó 2001. 379s. ISBN 9631946134.

Language, knowledge of which is necessary to complete a course:
Hungarian

Notes:

Evaluation of subjects
Total number of evaluated students: 126

A	B	C	D	E	FX
36.51	11.11	9.52	7.94	29.37	5.56

Teacher: doc. RNDr. Ferdinánd Filip, PhD.

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Mdb/ MA2/15	**Name:** Mathematical Analysis 2

Types, range and methods of educational activities:
Form of study: Lecture / Seminar / Practical
Recommended extent of course (in hours):
Per week: 2 / 1 / 0 **For the study period:** 26 / 13 / 0
Methods of study: present

Number of credits: 5

Recommended semester/trimester of study: 4.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
During the semester, students write two tests, each worth 50 points. The minimum and maximum scores required to earn for the individual grades are the following: minimum 91 points for A, 81-90 points for B, 71-80 points for C, 61-70 points for D and 51-60 points for E. If students do not meet these requirements, they can take a written exam in the examination period, worth maximum 100 points.

Results of education:
The student knows and is able to apply the basic methods of integration. He gains practice in integrating rational fractional functions and learns the method of partial fraction decomposition. The student knows and is able to apply methods used with the integration of goniometric functions, irrational and transcendental functions. He understands the concept of the definite integral and knows the basic properties of the Riemann integral. He knows the Newton-Leibniz rule and has acquired practice in various application areas of the definite integral, such as area, volume and arc length calculation.

Brief syllabus:
ndefinite integral and primitive function, primitive function of elementary functions. Basic integration methods: per partes, substitution. Integration of rational functions, partial fraction decomposition. Integration of goniometric functions, integration of irrational and transcendental functions. The concept of the definite integral, Riemann integral, basic properties. Riemann integrable functions. The Newton-Leibniz rule. Applications of the definite integral in areas, volume and arc length calculations. Applying the definite integral. Improper integral.

Literature:
T. Neubrunn, J. Vencko: Matematická analýza 1, skriptum, Bratislava, UK. 1992. 190 s. ISBN 80-223-0055-1.
G.B. Thomas: Thomas-féle KALKULUS I. kötet - 3.,javított kiadás, Budapest, Typotex 2011
T. Szerényi: Analízis, Budapest, Tankönyvkiadó 1990. 560 s. ISBN 963 18 30009 8.
J. Urbán: Határértékszámítás, Budapest, Műszaki Könyvkiadó 2003. 452 s. ISBN 963 16 3072 2.
G. Denkinger, L. Gyurkó: Analízis: Gyakorlat, Budapest, Nemzeti Tankönyvkiadó 2001. 379s. ISBN 9631946134.

Language, knowledge of which is necessary to complete a course:
Hungarian, Slovak

Notes:

Evaluation of subjects
Total number of evaluated students: 125

A	B	C	D	E	FX
11.2	17.6	21.6	22.4	22.4	4.8

Teacher: Dr. habil. Kálmán Csaba Liptai, PhD.

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Mdb/ MA3/15	**Name:** Mathematical Analysis 3
Types, range and methods of educational activities: **Form of study:** Lecture / Seminar / Practical **Recommended extent of course (in hours):** **Per week:** 2 / 1 / 0 **For the study period:** 26 / 13 / 0 **Methods of study:** present	
Number of credits: 5	
Recommended semester/trimester of study: 6.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject: During the semester, students write two tests, each worth 50 points. The minimum and maximum scores required to earn for the individual grades are the following: minimum 91 points for A, 81-90 points for B, 71-80 points for C, 61-70 points for D and 51-60 points for E. If students do not meet these requirements, they can take a written exam in the examination period, worth maximum 100 points.	
Results of education: The student is aware of the exact interpretation of convergent series. He knows and is able to apply the convergence criteria related to positive sign series. He is aware of the concept of function series and power series. He is able to determine the convergence radius and convergence range of power series, as well as identify the sum function of power series. He can define the Fourier coefficients of periodic functions.	
Brief syllabus: Numerical sequences. The convergence of infinite series. Positive sign series. Convergence criteria. Mixed and alternating sign series, absolute convergence. Operations with series. Function series, convergence range, uniform convergence. Power series. Convergence range of power series. Differentiation and integration of power series. Taylor series. Taylor series of noted functions. Fourier series. Defining the Fourier coefficients.	
Literature: T. Neubrunn, J. Vencko: Matematická analýza 1, skriptum, Bratislava, UK. 1992. 190 s. ISBN 80-223-0055-1. G.B. Thomas: Thomas-féle KALKULUS I. kötet - 3.,javított kiadás, Budapest, Typotex 2011 T. Szerényi: Analízis, Budapest, Tankönyvkiadó 1990. 560 s. ISBN 963 18 30009 8. J. Urbán: Határértékszámítás, Budapest, Műszaki Könyvkiadó 2003. 452 s. ISBN 963 16 3072 2. G. Denkinger, L. Gyurkó: Analízis: Gyakorlat, Budapest, Nemzeti Tankönyvkiadó 2001. 379s. ISBN 9631946134.	
Language, knowledge of which is necessary to complete a course:	
Notes:	

Evaluation of subjects
Total number of evaluated students: 97

A	B	C	D	E	FX
11.34	18.56	13.4	21.65	29.9	5.15

Teacher: doc. RNDr. Ferdinánd Filip, PhD.

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Mdb/ OBP/15	**Name:** Bachelor thesis and its defence
Types, range and methods of educational activities: **Form of study:** **Recommended extent of course (in hours):** **Per week: For the study period:** **Methods of study:** present	
Number of credits: 4	
Recommended semester/trimester of study:	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject:	
Results of education:	
Brief syllabus:	
Literature:	
Language, knowledge of which is necessary to complete a course:	
Notes:	

Evaluation of subjects

Total number of evaluated students: 9

A	B	C	D	E	FX
33.33	33.33	11.11	22.22	0.0	0.0

Teacher:
Date of last update: 03.03.2023
Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Mdb/ RAN/15	**Name:** Equations and Inequalities

Types, range and methods of educational activities:
Form of study: Lecture / Seminar / Practical
Recommended extent of course (in hours):
Per week: 0 / 2 / 0 **For the study period:** 0 / 26 / 0
Methods of study: present

Number of credits: 2

Recommended semester/trimester of study: 1.

Level of study: I.

Prerequisites:

Conditions for passing the subject:

Results of education:

Brief syllabus:

Literature:

Language, knowledge of which is necessary to complete a course:

Notes:

Evaluation of subjects
Total number of evaluated students: 50

A	B	C	D	E	FX
32.0	8.0	14.0	8.0	34.0	4.0

Teacher: prof. RNDr. János Tóth, PhD., Mgr. Szilárd Svitek

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Mdb/ SG3/15	**Name:** Geometry Seminar 3

Types, range and methods of educational activities:
Form of study: Lecture / Seminar / Practical
Recommended extent of course (in hours):
Per week: 0 / 2 / 0 **For the study period:** 0 / 26 / 0
Methods of study: present

Number of credits: 2

Recommended semester/trimester of study: 5.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
For the successful completion of the course students are expected to actively participate in seminars (40 points), hand in homework assignments (30 points) and pass a written test at the end of the semester (30 points). The minimum scores required to achieve for the individual grades are the following: 91 points for A, 81 points for B, 71 points for C, 61 points for D and 51 points for E.

Results of education:
The student receives an introduction to projective geometry. He understands basic projective mappings and is familiar with the concept of the extended Euclidean plane as the model for projective geometry.

Brief syllabus:
Basic concepts of projective geometry. Elementary projectivities and their composition. Perspective mappings. The axiomatic construction of projective geometry. Perspective triangles. Harmonic relations. Duality Principle. The fundamental theorem of projective geometry. Pappos and Desargues theorem. Projective and perspective collineations, involution. Pole and polar line. Conic sections. Projective coordinates.

Literature:
Coxeter, H.S.M.: Projektív geometria, Gondolat Könyvkiadó, Budapest, 1986. - 179 s. - ISBN 963 281 678 1.
Hajós György: Bevezetés a geometriába, Tankönyvkiadó, 1960, 1971. ISBN 963 18 31736
Coxeter, H.S.M..: A geometriák alapjai, Műszaki Könyvkiadó, Budapest, 1987. - 470 s. - ISBN 963 10 6843 9.
Hoffmann M., Papp I.: Affin és projektív geometria, Eszterházy Károly Főiskola, Matematikai és Informatikai Intézet, Educatio Kht., 2011. Dostupné na adrese: http://www.tankonyvtar.hu/hu/tartalom/tamop425/0038_matematika_Hoffmann_Miklos_Papp_Ildiko-Affin_es_projektiv_geometria/index.html

Language, knowledge of which is necessary to complete a course:
Hungarian, Slovak

Notes:

Evaluation of subjects
Total number of evaluated students: 30

A	B	C	D	E	FX
23.33	20.0	33.33	13.33	10.0	0.0

Teacher: Mgr. Peter Vajo

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Mdb/TEX/15	**Name:** Creation of Mathematical Documents

Types, range and methods of educational activities:
Form of study: Lecture / Seminar / Practical
Recommended extent of course (in hours):
Per week: 0 / 2 / 0 **For the study period:** 0 / 26 / 0
Methods of study: present

Number of credits: 2

Recommended semester/trimester of study: 4.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
During the semester, students create two seminar works, each worth 50 points. The minimum scores required to earn for the individual grades are the following: 90 points for A, 80 points for B, 70 points for C, 60 points for D and 50 points for E. Each seminar work is to achieve minimum 25 points.

Results of education:
The student has acquired the necessary knowledge to create text documents in the LaTeX system. He is able to create structured documents independently and can insert charts, images and formulas into the text. He is able to create presentations.

Brief syllabus:
Course outline:
Basic typographical rules. Document structure. Introduction to the use of LaTeX. Various LaTeX environments (images, charts, graphics). Working with mathematical formulas. Creating simple macros. Preparing presentations. Elaborating a given topic, producing an original technical text.

Literature:
1. WETTL, F. – MAYER, GY. – SZABÓ, P.: latex kézikönyv. Budapest : Panem könyvkiadó, 2004. ISBN 963 545 398 1.
2. RYBIČKA, J.: Latex pro začátečníky. Brno : Konvoj, 2003, s. 239. ISBN 80 7302 049 1.

Language, knowledge of which is necessary to complete a course:
Hungarian, Slovak

Notes:

Evaluation of subjects
Total number of evaluated students: 254

A	B	C	D	E	FX
57.48	23.62	14.57	2.36	1.97	0.0

Teacher:

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Mdb/ TGR/15	**Name:** Graph Theory

Types, range and methods of educational activities:
Form of study: Lecture / Seminar / Practical
Recommended extent of course (in hours):
Per week: 0 / 2 / 0 **For the study period:** 0 / 26 / 0
Methods of study: present

Number of credits: 2

Recommended semester/trimester of study: 6.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
During the semester will be held two written clearance by 50 points. Of the total of 100 points it is needed to obtain at least 91 points on the valuation A, for grade B is necessary to obtain 81 points, for grade C at least 71 points, for grade D at least 61 points and for grade E at least 51 points. If the student has obtained less than 25 points in any written clearance, than at the end of semester an oral exam will be held wit maximum 100 points.

Results of education:
The student will obtain an overview of the basic concepts of graph theory. He will be able to apply basic browsing graph algorithms, algorithms for finding minimal skeleton, the availability and continuity, and will be able to solve flow tasks, and apply them in the optimization problem solving. He obtain knowledge in theory of coloring graphs and find the minimum time required to perform a complex task.

Brief syllabus:
Basic concepts and results of graph theory, graph browsing algorithms, optimally lines in a graph, trees and skeletons, algorithms for finding minimal skeleton, the availability and continuity, solution of flow tasks, maximum flow, the cheapest rate, application of theory in optimization problems solving, the role of assignments, Eulerian graphs and the role of the Chinese postman, Hamiltonian graphs and the role of traveling salesman, mating and factorization, coloring graphs, planar graphs. Center and median, algorithms to search centers and medians, absolute centers and medians of the graph.

Literature:
Friedl, K., Recski, A., Simonyi, G.: Gráfelméleti feladatok. 1. vyd. Budapest : TYPOTEX, 2006. 300 s. ISBN 963 9664 01 4.
Hajnal, P.: Gráfelmélet. Szeged: Bolyai Intézet, 2003. 308 s. ISBN 0002465.
Hetyei, G.: Kombinatorika és gráfelmélet - Eger : MM Közoktatási és Pedagógustovábbképzo, 1988. - 84 s. - ISBN 9636734836

Language, knowledge of which is necessary to complete a course:
hungarian, slovak

Notes:

Evaluation of subjects
Total number of evaluated students: 79

A	B	C	D	E	FX
25.32	13.92	30.38	17.72	8.86	3.8

Teacher: RNDr. Zuzana Árki, PhD.

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Mdb/ UTC/15	**Name:** Introduction to Number Theory

Types, range and methods of educational activities:
Form of study: Lecture / Seminar / Practical
Recommended extent of course (in hours):
Per week: 2 / 1 / 0 **For the study period:** 26 / 13 / 0
Methods of study: present

Number of credits: 4

Recommended semester/trimester of study: 3.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
The exam consists of a written test worth 80 points and an oral part worth 20 points. After adding up the results, the minimum and maximum scores required to earn for the individual grades are the following: minimum 91 points for A, 81-90 points for B, 71-80 points for C, 61-70 points for D and 51-60 points for E.

Results of education:
The student knows and is able to apply the divisibility rules for integers. He is able to determine the greatest common divisor of two numbers using the Euclidean algorithm. He has acquired the basic knowledge regarding the distribution of prime numbers. He knows the concept of congruency and the related rules, and is able to solve a first-degree congruence. He can provide forms of numbers in any numerical system. He knows and is able to apply Euler's theorem.

Brief syllabus:
Divisibility of integers, greatest common divisor, least common multiple. Euclidean algorithm. Prime numbers, resolution into multiplied prime numbers. Distribution of prime numbers. Congruence. Fermat's and Euler's theorem. Lagrange theorem. Number systems and divisibility rules.

Literature:
Šalát a kol.: Algebra a teoretická aritmetika 2, Bratislava, Alfa 1986
Znám: Teória čísel, Bratislava : Vydavateľstvo Technickej a Ekonomickej Literatúry, 2. vyd. 1986. 207 s.
László, B. - Tóth, J.: Bevezetés a számelméletbe, Lilium Aurum, 1999. 125s.
Erdős, P. - Surányi, J.: Válogatott fejezetek a számelméletből, Polygon, Szeged, 2004. 327 s.
Freud, R. a kol.: Számelmélet, Nemzeti Tankönyvkiadó, Budapest, 2000. 740s. ISBN 9631907848
Bege, A. a kol.: Számelméleti feladatgyujtemény, Scientia Kiadó, Kolozsvár, 2002. 153s. ISBN 0991493

Language, knowledge of which is necessary to complete a course:
Hungarian, Slovak

Notes:

Evaluation of subjects
Total number of evaluated students: 117

A	B	C	D	E	FX
19.66	20.51	17.95	20.51	21.37	0.0

Teacher: prof. RNDr. János Tóth, PhD.

Date of last update: 03.03.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Mdb/ ZM/15	**Name:** Basics of Mathematics
Types, range and methods of educational activities: **Form of study:** Lecture / Seminar / Practical **Recommended extent of course (in hours):** **Per week:** 1 / 2 / 0 **For the study period:** 13 / 26 / 0 **Methods of study:** present	
Number of credits: 4	
Recommended semester/trimester of study: 1.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject: Evaluation is based on two tests written during the semester, each worth 50 points. The minimum scores required to earn for the individual grades are the following: 91 points for A, 81 points for B, 71 points for C, 61 points for D and 51 points for E.	
Results of education: Students are introduced to the basic concepts of different mathematical areas while deepening the acquired knowledge so it assists them in their further studies.	
Brief syllabus: Propositions – basic concepts, operations with propositions. Judgment calculator – truth value. Sets – basic concepts, set operations, Cartesian product. Number sets. The basics of number theory – number systems, divisibility, divisibility rules. The axiomatic composition of mathematics. Proofs. Relations, attributes, sorting and equivalence relations. Explicit, implicit and parametric setting of functions. Cartesian and polar coordinate system.	
Literature: Thiele, R.: Matematické dukazy, SNTL, Praha, 1986. 160s Reiman, I.: Matematika, Typotex, Budapest, 2011. 609 s. ISBN 978 963 279 300 9. Pólya, Gy.: A problémamegoldás iskolája. I. kötet, Budapest: Tankönyvkiadó, 1979. 228 s. ISBN 963 17 3844 2 Pólya, Gy.: A gondolkodás iskolája, Budapest : Akkord, 2000. 226 s. ISBN 963 7803 75 0 Lakatos I.: Bizonyitások és cáfolatok, Typotex Elektronikus Kiadó Kft., 1998. 254s. ISBN 9639132128	
Language, knowledge of which is necessary to complete a course: Hungarian, Slovak	
Notes:	
Evaluation of subjects Total number of evaluated students: 183	

A	B	C	D	E	FX
7.65	12.02	20.22	26.78	21.31	12.02
Teacher: doc. RNDr. Ferdinánd Filip, PhD.					
Date of last update: 03.03.2023					
Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.					

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KMI/Mdb/ŠSBc/15	**Name:** Mathematics
Types, range and methods of educational activities: **Form of study:** **Recommended extent of course (in hours):** **Per week: For the study period:** **Methods of study:** present	
Number of credits: 2	
Recommended semester/trimester of study:	
Level of study: I.	
Prerequisites: KMI/Mdb/FAP/15 and KMI/Mdb/ZM/15 and KMI/Mdb/LA/15 and KMI/Mdb/MA1/15 and KMI/Mdb/GEO1/15 and KMI/Mdb/UTC/15 and KMI/Mdb/GEO2/15 and KMI/Mdb/MA2/15 and KMI/Mdb/ALG1/15 and KMI/Mdb/ALG2/15 and KMI/Mdb/GEO3/15 and KMI/Mdb/MA3/15	
Conditions for passing the subject:	
Results of education:	
Brief syllabus:	
Literature:	
Language, knowledge of which is necessary to complete a course:	
Notes:	

Evaluation of subjects

Total number of evaluated students: 27

A	B	C	D	E	FX
11.11	33.33	14.81	25.93	11.11	3.7

Teacher:	
Date of last update: 03.03.2023	
Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.	

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KPD/PPX/EDU/20	**Name:** Pedagogické praktikum - Používanie aplikácie EduPage
Types, range and methods of educational activities: **Form of study:** Seminar **Recommended extent of course (in hours):** **Per week:** 1 **For the study period:** 13 **Methods of study:** present	
Number of credits: 2	
Recommended semester/trimester of study: 4.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject:	
Results of education:	
Brief syllabus:	
Literature:	
Language, knowledge of which is necessary to complete a course:	
Notes:	

Evaluation of subjects
Total number of evaluated students: 43

a	n
97.67	2.33

Teacher:
Date of last update: 25.06.2023
Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KPD/SZdb/ ANA/15	**Name:** Preparation and Analysis of listen

Types, range and methods of educational activities:
Form of study: Seminar
Recommended extent of course (in hours):
Per week: 1 **For the study period:** 13
Methods of study: present

Number of credits: 1

Recommended semester/trimester of study: 5.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
Studens will attend 5-5 hours of each approbation at training schools. The course will be passed if 4 “listening reports” will be submitted (2 of each approbation).

Results of education:
During the pedagogical training students will follow and analyze the education process, they will learn how to apply the theoretical knowledge and the methodology of teaching and will become professionals being able to provide teaching, being able to record and analyze the realities of the profession. The students will be able for reflexion and self-reflexion.

Brief syllabus:
Attending training school classes. Preparing the attendance.Definition of goals, methodology and specialization.Self-observation of the educational process, didactical methods, pedagogical communication, psychological aspects. End phase of the attendance. Analyzation of records, reflexing and interpreting of the observed educational issues.

Literature:
Albert Sándor: Általános didaktika. Komárno : Selye János Egyetem, 2006. 226. ISBN 8089234070
Barabási Tünde: A tanítói tudás összetevői és fejlesztésük : Az elmélet és gyakorlat integrációja a magyarországi és romániai magyar tanítóképzési rendszerben. 1. vyd. Kolozsvár : Kolozsvári Egyetemi Kiadó, 2008. 151 s. ISBN 9789736107030
Cangelosi S. James. Strategie řízení třídy : Jak získat a udržet spolupráci žáků při výuce. 2. vyd. Praha : Portál, 1996. 300 s. ISBN 8071780839
Falus Iván: Didaktika. Budapest : Nemzeti Tankönyvkiadó, 2003. 552 s. ISBN 9631952967
Falus Iván. A tanárrá válás folyamata. - 1. vyd. - Budapest : Gondolat, 2007. - 245 s. - ISBN 978 963 9610 97 2
Falus Iván et all. A pedagógusok pedagógiája. - Budapest : Nemzeti Tankönyvkiadó, 2001. - 355 s. - ISBN 963191805x.
Kalhous Zdeněk: Školní didaktika. 2. vyd. Praha : Portál, 2009. 448 s. ISBN 9788073675714
Kovátsné-Németh Mária. Fenntarthatóság, pedagógia, kutatás. - 1. vyd. - Győr : Nyugat-Magyarországi Egyetem Apáczai Csere János Kar, 2007. 227 s. ISBN 9789639364851

Kosová Beata. Vysokoškolské vzdelávanie učiteľov : Vývoj, analýza, perspektívy. - 1. vyd. - Banská Bystrica : Pedagogická fakulta Univerzity Mateja Bela, 2012. 143 s. ISBN 9788055703534
Nagy József. Kompetencia alapú kritériumorientált PEDAGÓGIA. 1. vyd. Szeged : Mozaik Kiadó, 2007. 383 s. ISBN 978 963 697 541 8
Roeders Paul, Gefferth Éva. A hatékony tanulás titka : A hatékony tanítás és tanulás dinamikája. 1. vyd. : Trefort Kiadó, 2007. 215 s. ISBN 9789634464532
Petlák, Erich. Všeobecná didaktika. 1. vyd. : IRIS, 2004. 316 s. ISBN 8089018645
Pukánszky Béla. Iskola és pedagógusképzés. 1. vyd. Budapest : Gondolat Kiadó, 2014. 182 s. ISBN 9789636932282
Pasch Marvin, Gardner Trevor et all. Od vzdělávacího programu k vyučovací hodině : Jak pracovat s kurikulem. 1. vyd. Praha : Portál, s.r.o., 1998. 416 s. ISBN 8073670542

Language, knowledge of which is necessary to complete a course:
Hungarian or Slovak language

Notes:

Evaluation of subjects
Total number of evaluated students: 379

a	n
98.94	1.06

Teacher: Dr. habil. PaedDr. Kinga Horváth, PhD., PaedDr. Beáta Kiss

Date of last update: 18.05.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KPD/SZdb/ APK/15	**Name:** Alternative pedagogical concepts

Types, range and methods of educational activities:
Form of study: Lecture
Recommended extent of course (in hours):
Per week: 2 **For the study period:** 26
Methods of study: present

Number of credits: 3

Recommended semester/trimester of study: 6.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
One written test during a term for 50 points, another 50 points could be earned for continuous in-class activities. At least 50 points – 50% of all possible points - has to be earned to pass the class.
Evolution:
A mark - 90-100%; B mark 80-89%; C mark 70-79%; D mark 60-69%, E mark 50-59%.

Results of education:
The student will learn the existing alternative trends and ways of development in the field of pedagogyboth at home and abroad. This way the student will be able to identify, analyze, demonstrate and evaluate those alternative trends.

Brief syllabus:
The establishment of alternative schools in the first half of the 20th century (Waldorf, Jena-plan, Dalton, Freinet, Montessori). Establishment of alternative schools in the second half of the 20th century (client-centered approach according to Rogers, ITV, Zsolnay school, open school, project education, global education, etc.). Modeling of the reform school – outlining the prognosis.

Literature:
Németh András. A reformpedagógia múltja és jelene . - Budapest : Nemzeti Tankönyvkiadó, 2003. - 167 s. - ISBN 963 19 2190 5. Bodoni Ágnes. Reformpedagógia : Pedagógusi kompetenciák fejlesztése reform- és alternatív pedagógiai módszerek segítségével. - 1. vyd. - Kolozsvár : Ábel Kiadó, 2012. - 127 s. - ISBN 978-973-114-150-3. Németh András, Ehrenhard Skiera. Reformpedagógia és az iskola reformja. - 1. vyd. - Budapest : Nemzeti Tankönyv, 1999. - 345 s. - ISBN 963 19 0168 8. Németh András, Pirka Veronika. Az életreform és reformpedagógia-recepciós és intézményesülési folyamatok a 20. század első felében. - 1. vyd. - Budapest : Gondolat Kiadó, 2013. - 409 s. - ISBN 978 963 693 471 2. Kovátsné-Németh Mária. Reformpedagógiai koncepciók, alternatív megoldások. - Komárno : Selye János Egyetem, 2007. - 330 s. - ISBN 9788089234349. Zelina Miron. Alternatívne školstvo : alternatívne školy, alternatívna pedagogika, alternatívne pedagogické koncepcie a smery. - 1. vyd. - Bratislava : IRIS, 2000. - 257 s. - ISBN 80-88778-98-0. Prucha Jan. Alternativní školy a inovace ve vzdilávání. Portál, 2004. - 144 s. - ISBN 8071789771. Pukánszky Béla. Iskola és pedagógusképzés. - 1. vyd. - Budapest : Gondolat Kiadó, 2014. - 182 s. - ISBN 9789636932282.

Pukánszky Béla. Két évszázad gyermekei : A tizenkilencedik-huszadik század gyermekkorának története. - 1. vyd. - Budapest : Eötvös József Könyvkiadó, 2003. - 308 s. - ISBN 963 9316 65 2.

Language, knowledge of which is necessary to complete a course:
Hungarian or Slovak Language

Notes:

Evaluation of subjects
Total number of evaluated students: 463

A	B	C	D	E	FX
53.78	25.49	15.12	4.97	0.65	0.0

Teacher: prof. Dr. Béla István Pukánszky, DSc.

Date of last update: 18.05.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KPD/SZdb/ BDZ/15	**Name:** Biology child and school health

Types, range and methods of educational activities:
Form of study: Lecture
Recommended extent of course (in hours):
Per week: 1 **For the study period:** 13
Methods of study: present

Number of credits: 1

Recommended semester/trimester of study: 1.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
Final test. Condition for successful completion of this course is to obtain at least 50% of the maximum possible assessment of the subject. Evaluation: A - 90 -100%, B - 80% -89 C - -79% 70, D - 60-69%, E - 50 -59%.

Results of education:
Students acquire basic knowledge about the human body - body composition, human ontogenesis, developmental specificities of organ systems and the basics of school hygiene.

Brief syllabus:
Morphological and functional characteristics of the human body and physical ontogeny of human, which is analyze from prenatal period to adulthood with an emphasis on teen age and young adulthood. Developmental specificities of the different organ systems. School hygiene.

Literature:
Dylevský, I.: Somatológia. Bratislava : OSVETA, 2000. - 439 s. - ISBN 80-8063-127-1
Feneis, H.: Anatomický obrazový slovník. Stuttgart : Georg Thieme Verlag, 1993. - 455s. - ISBN 80 7169 197 6
Mader, S. S.: Human biology. Wm. C. Brown Publishers, USA, Third edition 1992. 500 s. - ISBN 0-697-12333-2
McCracken, T.O.: Háromdimenziós anatómiai atlasz. Budapest : Scolar Kiadó, 2000. - 237 s. - ISBN 978-963-9193-99-4
Nagy, M.: Humánbiológia, Lilium Aurum, Dunaszerdahely, 2006, ISBN 80-8062-283-3.
Netter, F. H.: Humán anatómiai atlasz. Budapest : Medicina Könyvkiadó, 2004. - 562 s. ISBN 963 242 848 X
POSPÍŠIL, M.: Biológia človeka I. Prírodovedecká fakulta UK Praha, 1998, 340s. ISBN 80-223-1579-6
Szentágothai, J.: Funkcionális anatómia I.-III. Budapest : Medicina Könyvkiadó, 2006. - 710, 600, 800. - ISBN 963 242 565 0
Šmarda, J. a kol.: Biologie pro psychology a pedagogy. Portál, Praha, 2004.

Language, knowledge of which is necessary to complete a course:
Slovak or Hungarian

Notes:

Evaluation of subjects
Total number of evaluated students: 386

A	B	C	D	E	FX
10.88	14.51	24.09	19.69	25.39	5.44

Teacher: Dr. habil. PaedDr. Melinda Nagy, PhD., Dr. habil. Csaba Miklós Szinetár, CSc.

Date of last update: 25.06.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KPD/SZdb/ DID/15	**Name:** General didactics

Types, range and methods of educational activities:
Form of study: Lecture / Seminar
Recommended extent of course (in hours):
Per week: 1 / 1 **For the study period:** 13 / 13
Methods of study: present

Number of credits: 3

Recommended semester/trimester of study: 3.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
Final test. Condition for successful completion of this course is to obtain at least 50% of the maximum possible assessment of the subject. Evaluation: A - 90 -100%, B - 80% -89 C - -79% 70, D - 60-69%, E - 50 -59%.

Results of education:
The students will get the basic didactical knowledges – subject and methodological profile of the didactics, extension of knowledges, skills of teaching professionals, planning and organizational skills, controls and evaluation.

Brief syllabus:
Historical and current status of the didactics.Modernization of the teaching material.Basic educational documents.Processual aspects of the education.Principles of the education.Tools for education.Categories of the education goals.Teaching styles.Differentiation.Evaluation.Theoretical models and conceptual forms of education and evaluation.

Literature:
Albert Sándor. Általános didaktika. - Komárno : Selye János Egyetem, 2006. - 226. - ISBN 80-89234-07-0.
Albert Sándor. Didaktika. Lilium Aurum, 2005. - 250 s. - ISBN 8080622523.
Falus Iván. Didaktika. - Budapest : Nemzeti Tankönyvkiadó, 2003. - 552 s. - ISBN 9631952967.
Nagy Sándor. Didaktika. - Budapest : Tankönyvkiadó, 1969. - 239 s. - ISBN 0012790.
Kalhous Zdeněk. Školní didaktika. - 2. vyd. - Praha : Portál, 2009. - 448 s. - ISBN 978-80-7367-571-4.
Petlák, Erich. Všeobecná didaktika. - 1. vyd. : IRIS, 2004. - 316 s. - ISBN 80-89018-64-5.
Komenský Ján Ámos. Výber myšlienok z diela Veľká didaktika. - Prešov : Metodické centrum Prešov, 1992. - 23 s. - ISBN 8085410273.
Barabási Tünde. A tanítói tudás összetevői és fejlesztésük : Az elmélet és gyakorlat integrációja a magyarországi és romániai magyar tanítóképzési rendszerben. - 1. vyd. - Kolozsvár : Kolozsvári Egyetemi Kiadó, 2008. - 151 s. - ISBN 978-973-610-703-0.
Nagy József. Kompetencia alapú kritériumorientált PEDAGÓGIA. - 1. vyd. - Szeged : Mozaik Kiadó, 2007. - 383 s. - ISBN 978 963 697 541 8.

Falus Iván et all. A pedagógusok pedagógiája. - Budapest : Nemzeti Tankönyvkiadó, 2001. - 355 s. - ISBN 963191805x.
Falus Iván. A tanárrá válás folyamata. - 1. vyd. - Budapest : Gondolat, 2007. - 245 s. - ISBN 978 963 9610 97 2.
Kovátsné-Németh Mária. Fenntarthatóság, pedagógia, kutatás. - 1. vyd. - Győr : Nyugat-Magyarországi Egyetem Apáczai Csere János Kar, 2007. - 227 s. - ISBN 978-963-9364-85-1.
Roeders Paul, Gefferth Éva. A hatékony tanulás titka : A hatékony tanítás és tanulás dinamikája. - 1. vyd. : Trefort Kiadó, 2007. - 215 s. - ISBN 978-963-446-453-2.
Kosová Beata. Vysokoškolské vzdelávanie učiteľov : Vývoj, analýza, perspektívy. - 1. vyd. - Banská Bystrica : Pedagogická fakulta Univerzity Mateja Bela, 2012. - 143 s. - ISBN 978-80-557-0353-4.
Cangelosi S. James. Strategie řízení třídy : Jak získat a udržet spolupráci žáků při výuce. - 2. vyd. - Praha : Portál, 1996. - 300 s. - ISBN 80-7178-083-9.
Pasch Marvin, Gardner Trevor et all. Od vzdělávacího programu k vyučovací hodině : Jak pracovat s kurikulem. - 1. vyd. - Praha : Portál, s.r.o., 1998. - 416 s. - ISBN 80-7367-054-2.

Language, knowledge of which is necessary to complete a course:
Hungarian or Slovak Language

Notes:

Evaluation of subjects
Total number of evaluated students: 1218

A	B	C	D	E	FX
11.66	17.57	16.58	17.32	26.35	10.51

Teacher: prof. Dr. Péter Tóth, PhD., Dr. habil. PaedDr. Kinga Horváth, PhD.

Date of last update: 25.06.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KPD/SZdb/ FVV/15	**Name:** Philosophy of Education
Types, range and methods of educational activities: **Form of study:** Lecture **Recommended extent of course (in hours):** **Per week:** 2 **For the study period:** 26 **Methods of study:** present	
Number of credits: 3	
Recommended semester/trimester of study: 4.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject: One written test during a term for 50 points, another 50 points could be earned for continuous in-class activities. At least 50 points – 50% of all possible points - has to be earned to pass the class. A mark - 90-100%; B mark 80-89%; C mark 70-79%; D mark 60-69%, E mark 50-59%.	
Results of education: The student will receive an overview of the scope of current educational theory. The student will be introduced to current problems,up-to-date theories and knowledge, so that the student will be able to recognize the theoretical concepts in the educational practice. The student will be able to find the relationship between the trends of educational philosophy, education theories and education concepts. The student will be able to evaluate the educational phenomena based on philosophy, ideology and theory.	
Brief syllabus: Basics of perenialism, essencialism, progressivism, behaviorism, and existencialism. Educational theory: intellectual, personalistic, social, academic, cognitive-psychological, social-cognitive, technological.Educational concepts: problem solving, project education, cooperative education, mastery learning, global education, and constructivism.	
Literature: Angelusz Erzsébet. Filozófia, antropológia, nevelés. - Budapest : Akadémiai Kiadó, 1984. - 104 s. - ISBN 963 05 3404 5. Halasy-Nagy József. A filozófia. - Budapest : Pantheon Kiadás, 1991. - 408 s. - ISBN 963 05 5929 3. Mészáros András. A felső-magyarországi iskolai filozófia lexikona. - Pozsony : Kalligram, 2003. - 288 s. - ISBN 8071495409. Pukánszky Béla. Iskola és pedagógusképzés. - 1. vyd. - Budapest : Gondolat Kiadó, 2014. - 182 s. - ISBN 9789636932282. Pukánszky Béla. A gyermekkor története. - 1. vyd. - Budapest : Műszaki Könyvkiadó, 2001. - 201s. - ISBN 963 16 2782 9. Pukánszky Béla. Két évszázad gyermekei : A tizenkilencedik-huszadik század gyermekkorának története. - 1. vyd. - Budapest : Eötvös József Könyvkiadó, 2003. - 308 s. - ISBN 963 9316 65 2.	

Pukánszky Béla. Pedagógiai eszmetörténet. - 1. vyd. - Budapest : Gondolat Kiadó, 2013. - 168 s. - ISBN 978-963-693-228-2.
Vajda Zsuzsanna, Kósa Éva. Neveléslélektan. - 1. vyd. - Budapest : Osiris Kiadó, 2005. - 564 s. - ISBN 963 389 728 9. - ISSN 1218-9855.

Language, knowledge of which is necessary to complete a course:
Hungarian or Slovak language

Notes:

Evaluation of subjects
Total number of evaluated students: 1009

A	B	C	D	E	FX
27.75	28.84	27.45	11.79	3.77	0.4

Teacher: Gyöngyi Gál, PhD.

Date of last update: 25.06.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KPD/SZdb/ IKT/15	**Name:** ICT-based

Types, range and methods of educational activities:
Form of study: Practical
Recommended extent of course (in hours):
Per week: 1 **For the study period:** 13
Methods of study: present

Number of credits: 1

Recommended semester/trimester of study: 2.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
Making 2 projects during the semester , each for 25 points and the final presentation of the methodology of a selected lesson for 50 points. In order to pass the course the student needs to collect at least 50% of the maximum points. The scale of evaluation is the following: A – 90 -100%, B – 80 -89%, C – 70 -79%, D – 60 - 69%, E – 50 -59%.

Results of education:
By the completion of the course, students deepen their professional competence in the field of information and communication technologies. They will be able to locate, evaluate and use information so that they become autonomous, independent and lifelong learners. They will have the ability to locate, evaluate, use and communicate information in all their various forms, such as the integration of books, computer, the media and technology, ethics, critical thinking, information and communication skills.

Brief syllabus:
• Basic concepts of work with computers (objects, files, types, maps, addresses) • Basics of Word (copy protection, basic items, formatting) • Working with pictures, WordArt, ClipArt - special text effects • Basics of graphical environment Paint (copy protection, basic controls) • Introduction to digital technology, principles of operation, working with the media • the use of digital and multimedia devices in the educational process • Creating lessons from selected objects, integrated learning, practical use of certain information for the preparation of materialsin teaching. • The Internet - Definitions • Browser, criteria for finding, downloading images and texts from the Internet • E-mail: e-mail, creating your own e-mail addresses, basic work, connecting documents

Literature:
Baka Magdolna, Koczka Ferenc: Informatika - szövegszerkesztés, Eger : EKTF Líceum Kiadó, 1997. 170 s.
Csórián Sándor: Információ és kommunikáció. Budapest : Kossuth Könyvkiadó, 2003. 119. ISBN 9630944103
Czifra Juraj at all.: Informačné a komunikačné technológie v praxi I. Komárno : Selye János Egyetem, 2007. 450 s. ISBN 9788089234417
Szôkôl István: Modulárny systém výučby informatiky. Komárno : UJS, 2010. 100s. ISBN 9788089234974

Stoffa Veronika: Az informatika alapjai I. Apáczai közalapítvány, 2007. 268 s. ISBN 9788089234295
Wyatt L. Allen: Az internet alapjai. Budapest : Kossuth Könyvkiadó, 1996. 352. ISBN 9630938383x

Language, knowledge of which is necessary to complete a course:
Hungarian or Slovak Language

Notes:

Evaluation of subjects
Total number of evaluated students: 523

A	B	C	D	E	FX
54.88	20.84	12.43	5.16	2.87	3.82

Teacher: Mgr. Dávid Paksi

Date of last update: 25.06.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KPD/SZdb/ INV/15	**Name:** intercultural education
Types, range and methods of educational activities: **Form of study:** Seminar **Recommended extent of course (in hours):** **Per week:** 1 **For the study period:** 13 **Methods of study:** present	
Number of credits: 1	
Recommended semester/trimester of study: 1.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject: One written test during a term for 50 points, another 50 points could be earned for continuous in-class activities (presentation of casuistics). At least 50 points – 50% of all possible points - has to be earned to pass the class. A mark - 90-100%; B mark 80-89%; C mark 70-79%; D mark 60-69%, E mark 50-59%.	
Results of education: By completing the course students will gain knowledge on the essence of ethnic processes and ethnic minorities of Slovakia, furthermore gain skills in practical applying acquired theories in educational process.	
Brief syllabus: Basic terminology: ethnicity, nation, nationality, ethnic minorities, multiculturalism, inter-cultural competence, atc. Inter-ethnic and inter-cultural relations. Ethnic symbols, stereotypes. Ethnic history of Slovakia. History of ethnic minorities in Slovakia, with particular regard to Hungarians. Concrete examples on Hungarian-Slovak, Hungarian-German, Hungarian-Rusin inter-ethnic relationships. The problem of the Rome minority in Slovakia and Central Europe. Practical opportunities of evolving inter-cultural competencies (meeting other cultures, respecting otherness, tolerance).	
Literature: Ács Zoltán: Nemzetiségek a történelmi Magyarországon. Budapest: Kossuth Könyvkiadó 1986. Botík, Ján: Chorváti na Slovensku. Bratislava: Slovenské národné múzeum 1996. Forray R. Katalin szerk.: Ismeretek a romológia alapképzési szakhoz. Pécs: Pécsi Tudományegyetem 2006. http://mek.oszk.hu/04800/04867/04867.pdf Gabal, Ivan: Etnické menšiny ve střední Evrope. Praha 1999. Gallová Kriglerová, Eva–Kadlečíková, Jana–Lajčáková Jarmila: Migranti. Multikulturalizmus a kultúrna integrácia migrantov na Slovensku. Nový pohľad na staré problémy. Bratislava: CVEK 2009. Gecse Annabella: Az etnikai és társadalmi átrendeződés folyamata egy gömöri falu 20. századi életében. Komárom–Somorja: Fórum Kisebbségkutató Intézet 2007 /Interethnica10./ Gyurgyík László: A szlovákiai magyarság népesedési folyamatai a 20. században (1918-tól 2001-ig). Komárom: Selye János Egyetem Tanárképző Kara 2013 / Monographiae Comaromienses 10./ Horváthová, Margaréta: Nemci na Slovensku. Etnokultúrne tradície z aspektu osídlenia, remesiel a odievania. Komárno–Dunajská Streda: Fórum inštitút–	

Spoločenskovedný ústav–Vydavateľstvo Lilium Aurum 2002 /Interethnica 4./ L. Juhász Ilona: „Fába róva, földbe ütve…" A kopjafák/emlékoszlopok mint a szimbolikus térfoglalás eszközei a szlovákiai magyaroknál. Komárom–Dunaszerdahely: Fórum Kisebbségkutató Intézet–Lilium Aurum Könyvkiadó 2005 /Interethnica 8./ Kiss Gabriella: Multikulturalizmus és oktatás. Debrecen: Kossuth Egyetemi Kiadó 2001. Liszka József: Bevezetés a néprajzba. A magyar néprajz/ európai etnológia alapjai. Dunaszerdahely: Lilium Aurum 2006. Liszka József szerk.: Interetnikus és interkulturális kapcsolatok Dél-Szlovákiában. Komárom: Selye János Egyetem Tanárképző Kara 2009 /Monographiae Comaromienses 1./ Liszka József: Populáris kultúra. Somorja: Fórum Kisebbségkutató Intézet 2010 /Magyarok Szlovákiában 6./ Magyar néprajzi lexikon 1–5. Budapest: Akadémiai Kiadó 1977–1982. Paládi-Kovács Attila szerk.: A nemzetiségek néprajzi felfedezői. Budapest: Akadémiai Kiadó 2006. Sopoliga, Miroslav: Ukrajinci na Slovensku. Etnokultúrne tradície z aspektu osídlenia, ľudovej architektúry a bývania. Komárno–Dunajská Streda: Fórum inštitút – Spoločenskovedný ústav–Vydavateľstvo Lilium Aurum 2002 /Interethnica 2./ Tradičná ľudová kultúra Slovenska slovom a obrazom. Elektronická encyklopédia (http://www.ludovakultura.sk/index.php?id=11) Vajda Barnabás szerk.: Államhatár és identitás–Komárom/Komárno. Komárom: Selye János Egyetem Tanárképző Kara 2011 /Monographiae Comaromienses 3./ Varjú Katalin: „Pénteken délig nyitva van az ég!" Somorja–Dunaszerdahely: Fórum Kisebbségkutató Intézet–Lilium Aurum Könyvkiadó 2003 / Interethnica 6.

Language, knowledge of which is necessary to complete a course:
Hungarian or Slovak Language

Notes:

Evaluation of subjects
Total number of evaluated students: 404

A	B	C	D	E	FX
56.44	19.55	12.87	5.2	4.95	0.99

Teacher: PaedDr. Terézia Strédl, PhD., István Jobbágy, PhD.

Date of last update: 25.06.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KPD/SZdb/ IPE/15	**Name:** Inclusive Education

Types, range and methods of educational activities:
Form of study: Seminar
Recommended extent of course (in hours):
Per week: 1 **For the study period:** 13
Methods of study: present

Number of credits: 1

Recommended semester/trimester of study: 3.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
One written test during a term for 50 points, another 50 points could be earned for continuous in-class activities (presentation of casuistics). At least 50 points – 50% of all possible points - has to be earned to pass the class. A mark - 90-100%; B mark 80-89%; C mark 70-79%; D mark 60-69%, E mark 50-59%.

Results of education:
Studentsbecomescompetentindifferentialapproachtostudents/pupilswithspecialeducationneeds and alsowill be abletoidentifytheproblems and difficulties of learning. The studentswillgetwide and complexpictureaboutthework of specialeducationteacher and schoolpsychologist, aboutstimulationprogrammes, therapies and aboutthesupportivecaregenerally.

Brief syllabus:
Mission of thespecialeducation – education of disabledpupils. Sensorydisabledchildren and theireducation. Physicallydisabledchildren and theireducation. Disabilitiesoncommunicationskills of children. Emotionallydisturbedchildren and possibilitieswhitintheireducation. Segregation, integration and inclusion of disabledchildren. Specialeducationsystem and specialeducationconsultationservices. Therapies, corrections and reeducationastoolsfortheoptimalisation of theeducationprocessforchildrenwithspecificevelopmentallearningdisorders.

Literature:
Gordosné Szabó Anna: Bevezetés a gyógypedagógiába. 7. vyd. Budapest : Nemzeti Tankönyvkiadó. 2000. 116 s. Gordosné Szabó Anna: Gyógyító pedagógia = Nevelés és terápia. 1. vyd. Budapest : Medicina Könyvkiadó, 2004. 587 s. ISBN 963 242 757 2 Illyés Gyuláné: Gyógypedagógiai pszichológia. Budapest : Akadémiai Kiadó, 1971. 465 s. ISBN 0007635 Illyés Gyuláné: Špeciálnopedagogická psychológia. 1. vyd. Bratislava : Slovenské Pedagogické Nakladateľstvo. 1978. 589 s. Mesterházi Zsuzsa: A nehezen tanuló gyermekek iskolai nevelése. 1. vyd. : Eötvös Lóránd Tudományegyetem Bárczi Gusztáv Gyógypedagógiai Kar. 1998. 348 s. ISBN 9637151126 Strédl Terézia: Inkluzív pedagógia avagy a gyógypedagógiáról másképp. 1. vyd. Komárno : Univerzita J. Selyeho. 2013. 148 s. ISBN 9788081220890 Vašek Štefan: Pedagogika viacnásobne postihnutých. 1. vyd. Bratislava : Sapientia. 1999. 296 s. ISBN

8096718045 Vašek Štefan: Špeciálno pedagogická diagnostika. 4. vyd. : Sapientia s.r.o, 2004.168 s. ISBN 8096911201

Language, knowledge of which is necessary to complete a course:
Hungarian or Slovak Language

Notes:

Evaluation of subjects
Total number of evaluated students: 1002

A	B	C	D	E	FX
28.74	24.35	28.74	13.37	3.89	0.9

Teacher: Mgr. Anita Tóth-Bakos, PhD.

Date of last update: 25.06.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KPD/SZdb/ LAD/15	**Name:** School legislation and documentation
Types, range and methods of educational activities: **Form of study:** Seminar **Recommended extent of course (in hours):** **Per week:** 1 **For the study period:** 13 **Methods of study:** present	
Number of credits: 2	
Recommended semester/trimester of study: 4.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject: Final test. Condition for successful completion of this course is to obtain at least 50% of the maximum possible assessment of the subject. Evaluation: A - 90 -100%, B - 80% -89 C - -79% 70, D - 60-69%, E - 50 -59%	
Results of education: The student will be able to: - list the number, title and content of legislation concerning education - describe public education management and its level, - list concretely the changes in public education and interpret their legal consequences, - understand the typical features of public education management and local government principles in education and school management, - analyze the relevant regulations, -classify and categorize the relevant regulations, - evaluate theprocesses in public education.	
Brief syllabus: Sorting legal and pedagogical and organizational standards applied in education. The interpretation of the Constitution in terms of its application in the field of education, training and education. Government Program Declaration after November 1989 in terms of orientation to school education. Projects oriented towards the long term development of education in Slovakia. The process of creating laws, decrees and other documents forming the legal framework of education and training.The Education Act and the ensuing regulations. Act on school facilities and the subsequent regulations. The Higher Education Act and the ensuing regulations.Legal solutions of the qualification and further training of teaching staff of schools.The questions of managing "non-state" schools and school facilities.	
Literature: The Constitution of the Slovak Republic 245/2008 The Law on Upbringing and Education (School Act) and on amendments to certain laws Other relevant laws and regulations.	
Language, knowledge of which is necessary to complete a course: Hungarian or Slovak Language	
Notes:	
Evaluation of subjects	

Total number of evaluated students: 808

A	B	C	D	E	FX
61.26	22.03	9.53	3.84	3.34	0.0

Teacher:

Date of last update: 25.06.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KPD/SZdb/ MPE/15	**Name:** Multimedia education

Types, range and methods of educational activities:
Form of study: Seminar
Recommended extent of course (in hours):
Per week: 1 **For the study period:** 13
Methods of study: present

Number of credits: 1

Recommended semester/trimester of study: 5.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
Making a presentation, wheres lides showing thetheoretical and practicalskills of multimediaeducation, (max 50. points)
A – 90 -100%, B – 80 -89%, C – 70 -79%, D – 60 - 69%, E – 50 -59%.

Results of education:
The student learns touse themultimedia mediamethods, tools in the pedagogicalpractice. And also developcriticalthinking skills and information.

Brief syllabus:
Communicationtypes, forms. background of stereotypes and conventionsof mobile screencontents. Photo texts, basiccodes, text writing and readingon mobile. The socialfunction of themedia. The mediacategorization. The mediausagehabits, modes, language. The theoretical and practicalknowledge of mediapedagogy. International practice. The computer basedlearning. Electronicmedia, video, and computer use. Criticalthinking: themassmedia and communication, manipulation, informationsociety. The analysis of themutimediainteractions.

Literature:
Komenczi Bertalan: Információ és társadalom. Eger : EKF Líceum. 2002. 200 s. ISBN 0269771
Karvalics Z. László: Neumann Jánostól az Internetig. Budapest : Napvilág, 1999. 140. ISBN 9639082228
Z. Karvalics L.: Információs társadalom (a technikától az emberig). Műegyetemi Kiadó BME TTTK Budapest. 1995
Stoffová Veronika: Education for information and knowledge based society = Vzdelávanie pre informačnú a vedomostnú spoločnosť. Brno : Univerzita J. Selyeho Komárno, 2012. 245 s. ISBN 9788081220647
Stoffová Veronika: Počítač univerzálny didaktický prostriedok. Nitra, 2004. 173Ss. ISBN 80 8050 765 1
Tapscott Don: Digitális gyermekkor. Budapest : Kossuth Könyvkiadó, 2001. 383 s. ISBN 9630943042
Zrinszky László: Tájékozódás, tanulás, tudás. Budapest : Usiris Könyvkiadó, 2007. 240 s. ISBN 978 963 9706 14 9
MEDIÁLNÍ PEDAGOGIKA V TEORII A PRAXI - Asociace pro ...

www.medialnipedagogika.cz/.../Schorb-Sloboda_Teorie-med-ped_in_Medialni-pedagogika-v-teorii-a-praxi.pdf

Language, knowledge of which is necessary to complete a course:
Hungarian or Slovak Language

Notes:

Evaluation of subjects
Total number of evaluated students: 358

A	B	C	D	E	FX
44.97	25.7	14.53	6.7	5.87	2.23

Teacher: Mgr. Nikolas Katona

Date of last update: 18.05.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KPD/SZdb/ PKO/15	**Name:** Educational communication

Types, range and methods of educational activities:
Form of study: Seminar
Recommended extent of course (in hours):
Per week: 1 **For the study period:** 13
Methods of study: present

Number of credits: 1

Recommended semester/trimester of study: 1.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
Evolution:
A – 90 -100%, B – 80 -89%, C – 70 -79%, D – 60 - 69%, E – 50 -59%.

Results of education:
Student will get theoretical and practical basic skills within the social and pedagogical communication. During practices student will learn verbal and non-verbal skills used within the social communication, will train standard pedagogical situations - such as introduction of a new student, praise of a student, communication with parents. Student will be able to use non-verbal and paralinguistic means of expressions within these situations. Student will be able to analyze the school classes according to aspects of pedagogical communication.

Brief syllabus:
Introduction to communicaton. Definition of communication, social communication and terms. People and communication. Individual communication skills. Verbal communication. Words and their interpretaion. Paralinguistical means of expression. Practicing of verbal skills. Non-verbal communication. Menos of expression of non-verbal communication. Emhatic and assertive communication, behaviour and its importance int he communication. Basic characteristics of pedagogical communication. Educational goals and pedagogical communication. Organisational forms and didactical methods in accordance with communication. Main characteristics of teacher's communication. Monological and dialogical commnication forms. Verbal behaviour of students. Cooperation between teachers and students. How does the teacher motivates? The question of the teacher. Teacher's instructions. Evaluation. Tacher"s explanation. Solving of educational conflicts. Regulation of student's communication. Non-verbal communication during the class. Paralinguistic communication. Body-communication in education. Communcation barriers. Expression of expectations.

Literature:
Buda Béla. A közvetlen emberi kommunikáció szabályszerűségei. Budapest : Tömegkommunikációs Kutatóközpont, 1988. 296 s. ISBN 963 333 043 2
Gavora Peter. Akí sú moji žiaci? . 3. vyd. Nitra : Enigma, 2011. 222 s. ISBN 9788089132911
Nelešovská Alena. Pedagogická komunikace v teorii a praxi.1. vyd. : Grada, 2005. 175s. ISBN 8024707381

Mareš Jiří. Sociální a pedagogická komunikace ve škole. 1. vyd. Praha : Statní Pedagogické Nakladatelství, 1989. 165s. ISBN 8004218547
Strédl Terézia. Kommunikáció és konfliktuskezelés. 1. vyd. Révkomárom : Szakképző és Felnőttképzési Intézet, 2009. 71 s. ISBN 9788097001124

Language, knowledge of which is necessary to complete a course:
Hungarian or Slovak Langugage

Notes:

Evaluation of subjects
Total number of evaluated students: 1101

A	B	C	D	E	FX
66.39	14.26	11.44	4.27	2.72	0.91

Teacher:

Date of last update: 25.06.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KPD/SZdb/ PRV/15/15	**Name:** Project Education
Types, range and methods of educational activities: **Form of study:** Seminar **Recommended extent of course (in hours):** **Per week:** 1 **For the study period:** 13 **Methods of study:** present	
Number of credits: 1	
Recommended semester/trimester of study: 5.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject:	
Results of education:	
Brief syllabus:	
Literature:	
Language, knowledge of which is necessary to complete a course:	
Notes:	

Evaluation of subjects

Total number of evaluated students: 82

A	B	C	D	E	FX
56.1	21.95	13.41	2.44	3.66	2.44

Teacher: Dr. habil. Erika Kopp, PhD.
Date of last update: 18.05.2023
Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KPD/SZdb/ PX1/15	**Name:** Teaching Practice
Types, range and methods of educational activities: **Form of study:** Seminar **Recommended extent of course (in hours):** **Per week: For the study period:** 20s **Methods of study:** present	
Number of credits: 2	
Recommended semester/trimester of study: 5.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject: Graduate student observation in the range of 5-5 hours of both the scope of its subject specialization. Student completes a training school lectures and practical presentation of the school's documentation or school facility. Student in due time the Head of teaching experience shall submit report on teaching practice.	
Results of education: Students gain knowledge in the following topics: papers school or school facility, pedagogical documentation and school facilities, teaching methods, curricula, course teaching outline lesson and preparation for the lesson, the possibility of active work with pupils, criteria, methods and forms of assessment	
Brief syllabus: Observation in the range of 5-5 hours from both objects subject specialization. A training school conducted lectures and practical presentation of the school's documentation or school facility. National and school educational program. Class book and record classification	
Literature: ISCED2 ISCED3	
Language, knowledge of which is necessary to complete a course: Hungarian or Slovak Language	
Notes:	
Evaluation of subjects Total number of evaluated students: 491	

a	n
98.37	1.63

Teacher: PaedDr. Tamás Török, PhD., prof. Dr. Béla István Pukánszky, DSc.
Date of last update: 18.05.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KPD/SZdb/ ROR/15	**Name:** gender equality
Types, range and methods of educational activities: **Form of study:** Seminar **Recommended extent of course (in hours):** **Per week:** 1 **For the study period:** 13 **Methods of study:** present	
Number of credits: 1	
Recommended semester/trimester of study: 3.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject: Final test. Condition for successful completion of this course is to obtain at least 50% of the maximum possible assessment of the subject. Evaluation: A - 90 -100%, B - 80% -89 C - -79% 70, D - 60-69%, E - 50 -59%.	
Results of education: The student will learn about the concept of social gender in social, psychological, and biological context. The student will be able to identify gender prejudice in education and develop preventive methods for women and men (girls and boys). The student will be able to recognize the stereotype system within the education, and its negative effects. The student will be able to apply the necessary methodology for ensuring social gender identity in the school environment.	
Brief syllabus: Gender - gender studies - definition: gender, sex, gender stereotypes, gender sensitization in education, both direct and indirect discrimination, emancipation, feminism.The social position of women. The principles of gender. The cultural and subcultural interpretation ofsocial gender.The society and its role in social gender equality. Education and self-education. Equal opportunities.Education according to the social gender perspective - gender socialization theory, feminine pedagogy, senzitizing education of social gender.The gender in the education process. Inequalities in school. The gender aspects of family education. The role and potential of gendercommunication.	
Literature: Bútorová Zora: Násilie páchané na ženách ako problém verejnej politiky. Bratislava : IVO Inštitút pre verejné otázky, 2005. 132 s. ISBN 80 88935 78 4 Bútorová Zora: She and He in Slovakia Gender and Age in the Period of Transition. Bratislava : Institute for Public Affairs, 2008. 342 s. ISBN 978808934514 Pukánszky Béla: A nőnevelés története. 1. vyd. Budapest : Gondolat Kiadó, 2013. 228 s. ISBN 9789636932220 Pukánszky Béla: A gyermekkor története. 1. vyd. Budapest : Műszaki Könyvkiadó, 2001. 201s. ISBN 963 16 2782 9 Pukánszky Béla: Két évszázad gyermekei : A tizenkilencedik-huszadik század gyermekkorának története. 1. vyd. Budapest : Eötvös József Könyvkiadó, 2003. 308 s. ISBN 963 9316 65 2	

Vajda Zsuzsanna, Kósa Éva. Neveléslélektan. Budapest : Osiris Kiadó, 2005. 564 s. ISBN 963 389 728 9

Language, knowledge of which is necessary to complete a course:
Hungarian or Slovak Language

Notes:

Evaluation of subjects
Total number of evaluated students: 357

A	B	C	D	E	FX
52.94	24.93	14.29	5.32	2.52	0.0

Teacher: prof. Dr. Béla István Pukánszky, DSc.

Date of last update: 25.06.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KPD/SZdb/ SCP/15	**Name:** social psychology
Types, range and methods of educational activities: **Form of study:** Lecture **Recommended extent of course (in hours):** **Per week:** 1 **For the study period:** 13 **Methods of study:** present	
Number of credits: 2	
Recommended semester/trimester of study: 3.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject: Final test. Condition for successful completion of this course is to obtain at least 50% of the maximum possible assessment of the subject. Evaluation: A - 90 -100%, B - 80% -89 C - -79% 70, D - 60-69%, E - 50 -59%.	
Results of education: Studentswillgetwidepictureabouttheinterdisciplinarpsychologicaltrends being incontextwiththeeducationalprocesssuchasgroupcohesion, attributiontheory and socimetry, bothontheoretical and practicallevel.	
Brief syllabus: Psychology and itsinterdisliplinarityincoherencewiththescience of nowadays. Socialpsychology and its 4 fields: individual, socialrelationships, group, crowd – characteristics, attributes. Socialperception, scialcommnication, socialgroups. Moreno and thesociometry. Schoolenviroment and aspects of optimalisation.	
Literature: Aronson Elliot: A társas lény. 1. vyd. Budapest : Akadémiai Kiadó, 2011. 504 s. ISBN 978 963 05 86283 Aronson Elliot: Columbine után : Az iskolai erőszak szociálpszichológiája. 1. vyd. Budapest : Ab Ovo Kiadó. 2009. 191 s. ISBN 978-963-9378-72-8. Boroš Július: Základy sociálnej psychológie : (pre študujúcich humánne, sociálne a ekonomické vedy) 1. vyd. : IRIS, 2001. 227 s. ISBN 8089018203 Csepeli György: A meghatározatlan állat : Szociálpszichológia kezdőknek és haladóknak. 1. vyd. Budapest : Jószöveg Műhely Kiadó, 2005. 324 s. ISBN 963 7052 25 9 Csepeli György: A szociálpszichológia vázlata. Budapest : Jószöveg Műhely Könyvkiadó. 2001.160 s. ISBN 963 048 678 4 Goleman Daniel: Társas intelligencia = Az emberi kapcsolatok új tudománya. 3. vyd. Budapest. 506 s. ISBN 9789633100349	
Language, knowledge of which is necessary to complete a course: Hungarian or Slovak Language	
Notes:	
Evaluation of subjects Total number of evaluated students: 1158	

A	B	C	D	E	FX
17.01	21.07	29.02	20.38	12.26	0.26
Teacher: PaedDr. Terézia Strédl, PhD.					
Date of last update: 25.06.2023					
Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.					

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KPD/SZdb/ SKS/15	**Name:** School - school climate

Types, range and methods of educational activities:
Form of study: Lecture
Recommended extent of course (in hours):
Per week: 1 **For the study period:** 13
Methods of study: present

Number of credits: 1

Recommended semester/trimester of study: 4.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
Duringthesemester, studentswillproduce a five-pagestudyorprepare a sociogramduringthepedagogicalpractice, whichpresentsthe front of thegroup.
Evaluation: A - 90 -100%, B - 80% -89 C - -79% 70, D - 60-69%, E - 50 -59%

Results of education:
The students learnmapping the factorsof school-enviromental factors, learn aboit satisfactionmeasurement, cooperation. The student infored aboout the socialenvironment of micro- and meso-schoolenviroment.

Brief syllabus:
Socialization and socialspace. International trends and socialsegments. The schoolworld:theoreticaltrendsinschool, historicaloverview, types, schoolclimate, system and structure. Manifest, latent, fulfilled andunfulfilledneeds. Hidden curriculum. The microenvironment of school. Locality and theschool. Extra-curriculartasks. Leisureas a thirdsocializingarea. The school'smacroenvironment. Family, teachers, professionals, society - trends and tendencies. Schoolint he postmodern / IT world.

Literature:
Csoma Gyula: Elviszik-e a kutyák az iskolát? Móra Könyvkiadó : Budapest. 1983
Hvozdík Stanislav: Vybrané kapitoly zo školskej psychológie I. Prešov : FF P. Katedra psychológie. 1999. 402 s. ISBN 80 88922 038
Gajdošová Eva: Školský psychológ = a jeho vstup do humanizácie našich škôl. 1. vyd. Bratislava : PRÍRODA a. s. 1998. 190 s. ISBN 80 0701029 7
Nagy Ádám: Családon és iskolán túl - a harmadlagos szocializációs közeg és az ifjúságügy mint önálló terület elméleti alapjai. Excenter füzetek 3. Budapest : Excenter Kutatóközpont. 2010(www.excenter.eu., www.iufjúságugy.hu)
Nagy Ádám: Ifjúságügy - ifjúsági munka és az ifjúság. Excernter füzetek 5. Budapest : Excenter Kutatóközpont. 2010. www.excenter.eu
Székely Levente: Virtuális ifjúsági munka és az e-ifjúság. Excenter füzetek 5. Budapest : Excenter Kutatóközpont. 2010. www.excenter.eu
Trencsényi László: Hetedik nekifutás az értékek útvesztőjében. Budapesti Nevelő. 2009/2. http: // preview.fppti.hu/data/cms54391/2009.2.szam.teljes%29.pdf

Turek, Ivan: Moderné trendy vo výučbe na vysokých školách. 1. vyd. Komárno : Univerzita J. Selyeho. 2006. 496s. ISBN 80 89234135
Zelina Miron: Stratégie a metódy rozvoja osobnosti. Bratislava : Iris, 1994. 162s. ISBN 80 96701347

Language, knowledge of which is necessary to complete a course:
Hungarian or Slovák Language

Notes:

Evaluation of subjects
Total number of evaluated students: 314

A	B	C	D	E	FX
28.66	22.93	14.65	9.87	19.11	4.78

Teacher: Dr. habil. Erika Kopp, PhD.

Date of last update: 25.06.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KPD/SZdb/ SMP/15	**Name:** School management and school policy
Types, range and methods of educational activities: **Form of study:** Lecture / Seminar **Recommended extent of course (in hours):** **Per week:** 1 / 1 **For the study period:** 13 / 13 **Methods of study:** present	
Number of credits: 3	
Recommended semester/trimester of study: 6.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject: Final test – 100 points. Students can solve exercise given b the teacher during the class. Each exercise can earn 5 points (up to 230 points in total). If the amount of earned points is acceptable for the student to pass the class, there is no need to attend the final test. The class could be pass after earning of at least 50 % of earnable points. The marking is A – 90 -100%, B – 80 -89%, C – 70 -79%, D – 60 - 69%, E – 50 -59%	
Results of education: Student will get knowledges about the complex operational school management, quality management, managing styles, school marketing and will be able to apply these knowledges in practical way in accordance with the Slovak legislation.	
Brief syllabus: The functions of the school. The essence of school management in a democratic society.Adaptability of the school management system.The roles of the government and governmental institutions at school management.The main purposes of the school management.Concepts and management theories.School management.School managing models and its specialties.The basic management roles. Educational programs as a part of the school management. Internal rules leading to optimal operation. Managing styles.The personality and communicational skills of the manager. School marketing end the current needs of schools. The climate and culture within the school in case of producing nd applying of educational programs.	
Literature: Halász Gábor. A közoktatási rendszerek irányítása. Okker kiadó. 94 s. - ISBN 0009672. Halász Gábor. Az oktatás az Európai Únióban = Tanulás és együttműködés. - 1. vyd. - Budapest : Új Mandátum Könyvkiadó, 2012. - 376 s. - ISBN 978 963 287 053 3. Halász Gábor. Az oktatás minősége és az önkormányzati oktatásirányítás : Okker kiadó, 1996. - 364 s. - ISBN 9637315403. Halász Gábor. Az oktatási rendszer. - 1. vyd. - Budapest : Műszaki Könyvkiadó, 2001. - 215s. - ISBN 963-16-2769-1. Horváthová, Kinga, Manniová, Jolana.Úvod do školského manažmentu. - 1. vyd. - Ivanka pri Dunaji : AXIMA, 2008. - 179 s. - ISBN 978 80 969178 6 0.	

Školský manažment v nových spoločenských podmienkach (pre riadiacich pedagogických zamestnancov) = Zborník z medzinárodnej vedeckej konferencie / Kinga Horváthová. - 1. vyd. - Bratislava : Katedra pedagogiky Pedagogickej fakulty UK v Bratislave, 2008. - 182 s. - ISBN 978-80-969178-8-4.
Horváthová, Kinga. Kontrola a hodnotenie v školskom manažmente. - 1. vyd. - Bratislava : Wolters Kluwer, 2010. - 106 s. - ISBN 978-80-8078-329-7.
Albert Sándor. Iskolavezetés. - 1. vyd. - Selye János Egyetem : Komárom, 2007. - 82 s. - ISBN 978-80-89234-27-1.
Albert Sándor. Minőségfejlesztés az iskolában. - Komárno : Selye János Egyetem, 2006. - 130. - ISBN 8089234127.
Albert Sándor. Önértékelés és minőségbiztosítás az iskolában. - 1. vyd. - Pécs : Comenius Kft., 2009. - 108 s. - ISBN 978 963 9687 26 4.
Kosová Beata. Transformačné premeny Slovenského školstva po roku 1989. - 1. vyd. - Banská Bystrica : Pedagogická fakulta Univerzity Mateja Bela, 2011. - 168 s. - ISBN 978-80-557-0275-9.

Language, knowledge of which is necessary to complete a course:
Hungarian or Slovak Language

Notes:

Evaluation of subjects
Total number of evaluated students: 635

A	B	C	D	E	FX
21.26	14.33	17.32	20.94	24.57	1.57

Teacher: Dr. habil. PaedDr. Kinga Horváth, PhD.

Date of last update: 18.05.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KPD/SZdb/ SPP/15	**Name:** School prevention programs
Types, range and methods of educational activities: **Form of study:** Seminar **Recommended extent of course (in hours):** **Per week:** 1 **For the study period:** 13 **Methods of study:** present	
Number of credits: 1	
Recommended semester/trimester of study: 4.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject: Final test end PPT. Condition for successful completion of this course is to obtain at least 50% of the maximum possible assessment of the subject. Evaluation: A - 90 -100%, B - 80% -89 C - -79% 70, D - 60-69%, E - 50 -59%	
Results of education: The students acquire competences about prevention, healthdevelopment in schoolenvironment. The topic of the presentationis the prevention for students. Atthe end of the semester there is a testassessesacquired knowledge.	
Brief syllabus: Defininghealth. Biological, psychological, emotional, mental and socialhealth. Riskybehavior. General, selective and indicatedprevention. Primary, secondary, tertiaryprevention. Dependencies and types. The schoolriskfactors. The healthylifestyle. Calorie-balance. Mentalhealthconditions. School-basedpreventionprograms. Relaxation. Presentation and tapasztalatcsere.	
Literature: Bagdy Emőke: Személyiségfejlesztő módszerek az iskolában. Budapest : Nemzeti Tankönyvkiadó. 2002. 308 s. ISBN 9631922359. Bagdy Emőke. Pszichofitness. Budapest :ANIMULA, 2003.104 s. ISBN 9634080502 Buda Béla: A mentálhigiéné szemléleti és gyakorlati kérdései. Budapest : ANIMULA. 2002. 384 s. ISBN 963 05 2412 Labáth Vladimír: Expoprogram. Bratislava : Psychodiagnostika. 1991. 198 s. Metodické pokyny. www.statpedu. sk	
Language, knowledge of which is necessary to complete a course: Hungarian or Slovak Language	
Notes:	
Evaluation of subjects Total number of evaluated students: 873	

A	B	C	D	E	FX
35.05	24.86	19.13	7.45	13.06	0.46

Teacher: PaedDr. Beáta Kiss

Date of last update: 25.06.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KPD/SZdb/SVZ/15	**Name:** Socio-Scientific and pedagogical-psychological basis of teaching
Types, range and methods of educational activities: **Form of study:** **Recommended extent of course (in hours):** **Per week: For the study period:** **Methods of study:** present	
Number of credits: 2	
Recommended semester/trimester of study:	
Level of study: I.	
Prerequisites: KPD/SZdb/VDP/15 and KPD/SZdb/ZVP/15 and KPD/SZdb/TEV/15 and KPD/SZdb/VPS/15 and KPD/SZdb/DID/15 and KPD/SZdb/SCP/15 and KPD/SZdb/FVV/15 and KPD/SZdb/LAD/15 and KPD/SZdb/ANA/15 and KPD/SZdb/PX1/15 and KPD/SZdb/SMP/15 and KPD/SZdb/APK/15	
Conditions for passing the subject: The student's answer verbal subjects which are of pedagogical and psychological foundations that evaluated examination committee. Evolution: A – 90 -100%, B – 80 -89%, C – 70 -79%, D – 60 - 69%, E – 50 -59%.	
Results of education: Graduated from the Department Teaching academic subjects through common sociálnovedného, pedagogical and psychological basis for teachers to acquire knowledge of the problems of educational sciences and social and legislative context of education and training and the basics of digital, psychological and special pedagogical literacy teacher.	
Brief syllabus: x	
Literature: The compulsory and elective subjects is given subject data sheets.	
Language, knowledge of which is necessary to complete a course: Hungarian or Slovak Language	
Notes:	
Evaluation of subjects Total number of evaluated students: 261	

A	B	C	D	E	FX
26.05	23.37	22.61	15.71	10.34	1.92

Teacher:	
Date of last update: 25.05.2023	

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KPD/SZdb/ TEV/15	**Name:** Theory of education

Types, range and methods of educational activities:
Form of study: Lecture
Recommended extent of course (in hours):
Per week: 2 **For the study period:** 26
Methods of study: present

Number of credits: 3

Recommended semester/trimester of study: 2.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
Final test. Condition for successful completion of this course is to obtain at least 50% of the maximum possible assessment of the subject.
Evaluation: A - 90 -100%, B - 80% -89 C - -79% 70, D - 60-69%, E - 50 -59%

Results of education:
The main goal of the subject is to transfer knowledge to the students about the mission of education, trends, to learning theoretical concepts in a historical context and the acquisition of basic skills of pedagogical thinking.

Brief syllabus:
Education tasks and aims. Reflexív- science theories before. Pragmatic-behavioral theory. Cognitive - behavioral theory. Humanistic theory-accrual of persona. Multimedia information-theory.

Literature:
Bábosík István. Neveléselmélet. - Budapest : Osiris Kiadó, 2004. - 615 s. - ISBN 963389655x.
Budai Ágnes. Neveléselmélet gyakorlatközelben : A Majzik-jelenség. - 1. vyd. - Budapest : Műszaki Könyvkiadó, 2005. - 115s. - ISBN 963 16 4041 8.
Péter Lilla. Neveléselméleti alapkérdések. - 1. vyd. - Kolozsvár : Kolozsvári Egyetemi Kiadó, 2008. - 203 s. - ISBN 978-973-610-738-2.
Zelina Miron. Teórie výchovy alebo Hľadanie dobra. - 2. vyd. - Bratislava : SPN, 2010. - 232 s. - ISBN 978-80-10-01884-0.
Pukánszky Béla. Iskola és pedagógusképzés. - 1. vyd. - Budapest : Gondolat Kiadó, 2014. - 182 s. - ISBN 9789636932282.
Pukánszky Béla. A gyermekkor története. - 1. vyd. - Budapest : Műszaki Könyvkiadó, 2001. - 201s. - ISBN 963 16 2782 9.
Pukánszky Béla. Két évszázad gyermekei : A tizenkilencedik-huszadik század gyermekkorának története. - 1. vyd. - Budapest : Eötvös József Könyvkiadó, 2003. - 308 s. - ISBN 963 9316 65 2.
Vajda Zsuzsanna, Kósa Éva. Neveléslélektan. - 1. vyd. - Budapest : Osiris Kiadó, 2005. - 564 s. - ISBN 963 389 728 9. - ISSN 1218-9855.

Language, knowledge of which is necessary to complete a course:

Hungarian or Slovak Language

Notes:

Evaluation of subjects
Total number of evaluated students: 749

A	B	C	D	E	FX
27.64	25.77	21.23	14.69	9.61	1.07

Teacher: prof. Dr. Attila Józsefné Katalin Ambrus, DSc.

Date of last update: 25.06.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KPD/SZdb/ VDP/15	**Name:** General education and history education

Types, range and methods of educational activities:
Form of study: Lecture
Recommended extent of course (in hours):
Per week: 2 **For the study period:** 26
Methods of study: present

Number of credits: 3

Recommended semester/trimester of study: 1.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
Final test. Condition for successful completion of this course is to obtain at least 50% of the maximum possible assessment of the subject.
Evaluation:
A - 90 -100%, B - 80% -89 C - -79% 70, D - 60-69%, E - 50 -59%.

Results of education:
The students will receive a brief overview of the history of education, taxonomy, pedagogical concepts, and the laws of pedagogy.

Brief syllabus:
Introduction to the history of pedagogy. Education in ancient Greece, Egypt, Athens, and Sparta. Democritos, Socrates, Plato, Aristotle. Hellenic era, Roman Empire. Education in feudalism, the early Middle Ages. Comenius, Locke, Rousseau, Pestalozzi, Tesedík, Lehotsky,. The history of education in Slovakia. The new education movement.Educational theories. The approach of Bertrand. Pragmatic-behavioral, cognitive-scientific, humanistic, and personalist trends.Pedagogical models, their analysis and importance in today's educational practice. Patterns of educational situations.The practical application of educational theory. Compilation of evaluation scales, introduction of the "rating". Monitoring methodology and its analysis in the classroom.

Literature:
Slávka Hlásna, Kinga Horváthová, Martin Mucha, Renáta Tóthová. Úvod do pedagogiky / - 1. vyd. - Nitra : ENIGMA, 2006. - 356 s. - ISBN 80-89132-29-4. Švecová Valéria. Základy pedagogiky. Technická univerzita v Košiciach, 1998. - 124 s. - ISBN 80-7099-323-5. Prucha Jan. Moderní pedagogika. - 4. vyd. - Praha : Portál, 2009. - 481 s. - ISBN 978-80-7367-503-5. Zelina, Miron. Teórie výchovy alebo Hľadanie dobra. - 2. vyd. - Bratislava : SPN, 2010. - 232 s. - ISBN 978-80-10-01884-0. Kasper Tomáš, Kasperová, Dana. Dějiny pedagogiky. - 1. vyd. - Praha : Grada Publishing, 2010. - 224 s. - ISBN 978-80-247-2429-4. Pukánszky Béla. A magyar iskolatörténet és pedagógusképzés paradigmái. - 1. vyd. - Komárno : Univerzita J. Selyeho, 2014. - 119 s. - ISBN 978-80-8122-096-8.

Language, knowledge of which is necessary to complete a course:
Hungarian or Slovak Language

Notes:

Evaluation of subjects
Total number of evaluated students: 1275

A	B	C	D	E	FX
33.57	31.84	22.75	8.08	3.76	0.0

Teacher: prof. Dr. Béla István Pukánszky, DSc., prof. Dr. Attila Józsefné Katalin Ambrus, DSc.

Date of last update: 25.06.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KPD/SZdb/ VPS/15	**Name:** Developmental psychology
Types, range and methods of educational activities: **Form of study:** Lecture **Recommended extent of course (in hours):** **Per week:** 1 **For the study period:** 13 **Methods of study:** present	
Number of credits: 2	
Recommended semester/trimester of study: 2.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject: Final test. Condition for successful completion of this course is to obtain at least 50% of the maximum possible assessment of the subject. Evaluation: A - 90 -100%, B - 80% -89 C - -79% 70, D - 60-69%, E - 50 -59%.	
Results of education: Student will learn fylogenetic and ontogenetic development patterns, the characteristics of the developments periods focused to students.	
Brief syllabus: History and main trends of developmetnalpsychology. Developmentalperiodizationas per differentauthors (L. Nagy, S. Freud, Erikson, J. Piaget) and itscomparation. Psychicaldevelopmetnindifferentages: prenatal, natal, postnatal, pre-schoolage, schoolage, teenage, adolescence. Adult life periods: early, middle and matureadult, senior life and death. Developmentspecifics a ser theircharacteristics: optimal, slowed, late, pathological and disharmonical.	
Literature: Atkinson L. Rita: Pszicholóogia. Budapest : Osiris Kiadó, 2005. 852 s. ISBN 9633897130. Bordás Sándor, Forró Zsuzsa, Németh Margit, Stredl Terézia: Pszichológiai jegyzetek. 3. vyd. Komárom : Valeur s.r.o. 2009. 320s. ISBN 9788089234851 Cole Michael: Fejlődéslélektan. Budapest : Osiris Kiadó, 2003. 810 s. ISBN 9633894735 Erényi Tibor at all.: Freud, avagy a modern individuum felfedezése. Budapest : Napvilág, 1997. 98. ISBN 9639082015 Mérei Ferenc - Binet V. Ágnes: Gyermeklélektan. Budapest : Medicina Könyvkiadó, 2006. 303 s. ISBN 963 226 027 9 Inhelder Barbel, Jean Piaget: A gyermek logikájától az ifjú logikájáig : A formális műveleti struktúrák kialakulása. Budapest : Akadémiai Kiadó. 1984. 336 s. ISBN 963 05 3642 0. Zelina Miron: Stratégie a metódy rozvoja osobnosti : Metódy výchovy. 2. vyd. Bratislava : Iris. 1996. 234 s. ISBN 8096701347	
Language, knowledge of which is necessary to complete a course: Hungarian or Slovak Language	
Notes:	

Evaluation of subjects
Total number of evaluated students: 1204

A	B	C	D	E	FX
14.7	17.11	25.58	30.56	10.96	1.08

Teacher: PaedDr. Terézia Strédl, PhD.

Date of last update: 25.06.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KPD/SZdb/ ZVP/15	**Name:** Fundamentals of General Psychology

Types, range and methods of educational activities:
Form of study: Lecture
Recommended extent of course (in hours):
Per week: 1 **For the study period:** 13
Methods of study: present

Number of credits: 2

Recommended semester/trimester of study: 1.

Level of study: I.

Prerequisites:

Conditions for passing the subject:
Final test. Condition for successful completion of this course is to obtain at least 50% of the maximum possible assessment of the subject. Evaluation: A - 90 -100%, B - 80% -89 C - -79% 70, D - 60-69%, E - 50 -59%.

Results of education:
The goal is toclarifythebasictheoreticalknowledge of generalpsychology and tobringpsychologyas a scientificdisciplineinterms of itshistoricaldevelopment, research and theories. Masteringthisknowledge is necessarynotonlyforthe management of otherpsychologicaldisciplines, butalsoforunderstandingthefunctioningmechanisms of the human psyche. Studentaftercompletion of thecourse: candefineindividualpsychologicalconceptssuchasmemory, thinking, language, etc., knowsthefunctioningmechanisms of cognitive, emotional and motivationalprocesses, identifiesvariouspsychologicalapproachesexaminingthepsyche of theindividual, theirspecifics and canappliehisknowledgetosolvepracticalproblemsinvariousareas of social life, butespeciallyineducationalpractice.

Brief syllabus:
1. Introduction 2. Main goals and metodology 3. Nature and nurture, neuropsychology4. Sensation and perception 5. Thinking 6. Language and communication 7. Memory 8. Learning 9. Emotions 10. IQ and creativity 12. Motivation 12. Personality 13. Coping

Literature:
Atkinson L. Rita: Pszichológia. Budapest : Osiris Kiadó, 2005. 852 s. ISBN 9633897130.
Bordás Sándor, Forró Zsuzsa, Németh Margit, Stredl Terézia: Pszichológiai jegyzetek. 3. vyd. Komárom : Valeur s.r.o., 2009. 320s. ISBN 9788089234851
Bugán A., PléhCs: Fejezetek a pszichológia alapterületeiből. Budapest : ELTE Eötvös Kiadó, 2000. 408 s. ISBN 9634633838
Pléh Csaba: A lélektan története. 2. vyd. Budapest : Osiris Kiadó, 2010. 652 s. ISBN 978 963 276 0520
Pléh Csaba, Boross Ottilia: Akadémiai lexikonok - Pszichológia : A pszichológia legfontosabb fogalmai magyar és angol nyelven. 1. vyd. Budapest : Akadémiai Kiadó, 2010. 403 s. ISBN 978 963 8658 0

Language, knowledge of which is necessary to complete a course:
Hungarian or Slovak Language

Notes:

Evaluation of subjects
Total number of evaluated students: 1439

A	B	C	D	E	FX
10.35	16.68	20.92	21.06	25.5	5.49

Teacher: Mgr. Anita Tóth-Bakos, PhD.

Date of last update: 25.06.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.

INFORMATION SHEET

Name of the university: J. Selye University	
Name of the faculty: Faculty of Education	
Code: KPD/Uzb/ PPC1a/23	**Name:** Supporting pedagogical practice 1
Types, range and methods of educational activities: **Form of study:** Practical **Recommended extent of course (in hours):** **Per week:** 20 **For the study period:** 260 **Methods of study:** present	
Number of credits: 1	
Recommended semester/trimester of study: 5.	
Level of study: I.	
Prerequisites:	
Conditions for passing the subject: The conditions for completing the course: - active participation of the student in a teaching practice in a primary school (primary school) or a secondary school (secondary school), - participation of the student in assigned tasks and involvement in analysis and discussion during the teaching practice, - submission of a completed and validated PPC1 completion report, - Completion of observation sheets from the teaching practice in primary or secondary school: lesson observation records, - Student reflection on PPC1a. Evaluation of the submitted documents (max. 50 points): o Content page 35 points, o formal aspect 15 points. Total student workload: 1 credit = 30 hours - 20 hours of participation in the teaching practice (contact hours): of which 10 hours of hospitalization and 10 hours of analysis; 2 hours of introductory meeting; 8 hours of preparation of observation sheets and reflection. Final assessment: - passed = 50 - 100% (25 - 50 points) - not passed = 49 - 0% (0 - 24 points)	
Results of education: Knowledge: - The student is competent to observe lessons in elementary and middle school. - The student is able to document observed lessons in grade 2 elementary and middle school. - The student is able to navigate some school documents. Skills: - The student is able to identify diverse manifestations of structural elements of personality, psychological processes of the student in the teaching process and in social interactions. - The student will describe the didactic aids, communication technologies and means used in the teaching process and the possibilities of applying computers, interactive whiteboards, the	

Internet, specific teaching programmes and software, dynamic systems and interactive teaching materials and portals in teaching subjects at the 2nd level of primary and secondary school.
- It identifies teachers' teaching and communication styles and professional skills.
Competencies:
- The student is able to conceive his/her own work practices for effective observation.
- Takes a position on observed phenomena based on prior theoretical knowledge.
- Understands the relationship between the principles of teaching and the consequences - the effectiveness of learning.

Brief syllabus:
Basic attributes of observation.
Observation and evaluation of the interior and exterior of a training primary and secondary school.
Recognition and work with pedagogical documentation of the classroom.
Observation of lessons in a 2nd grade elementary school and an SHS.
Analysis of observed lessons together with the trainee teacher.
Documenting the progress of each lesson observed.
Structure of observation sheets.
Completion of observation sheets.

Literature:
Štátny vzdelávací program pre 2. stupeň základnej školy v Slovenskej republike ISCED 2 – nižšie sekundárne vzdelávanie. https://www.statpedu.sk/files/articles/dokumenty/statny-vzdelavaci-program/isced2_spu_uprava.pdf
Štátny vzdelávací program pre gymnázia v Slovenskej republike ISCED 3A – Vyššie sekundárne vzdelávanie. https://www.statpedu.sk/files/articles/dokumenty/statny-vzdelavaci-program/isced3_spu_uprava.pdf
Zákon č. 245/2008 Z. z. – Zákon o výchove a vzdelávaní (školský zákon) a o zmene a doplnení niektorých zákonov. Bratislava : MŠ SR, 2008 (respektíve aktuálny školský zákon).
Aktuálny vnútorný predpis UJS: Zásady realizácie pedagogickej praxe na Pedagogickej fakulte UJS
Gadušová, Z. a kol.: Mentor Training : Ostrava : Ostravská univerzita, 2021. - online, 268 s. - ISBN 978-80-7599-294-9.

Language, knowledge of which is necessary to complete a course:
hungarian, slovak

Notes:

Evaluation of subjects
Total number of evaluated students: 98

A	B	C	D	E	FX
100.0	0.0	0.0	0.0	0.0	0.0

Teacher: Mgr. Katarína Szarka, PhD., PaedDr. Tamás Török, PhD.

Date of last update: 29.11.2023

Approved by: prof. RNDr. Tibor Kmeť, CSc., prof. RNDr. János Tóth, PhD., prof. Dr. Béla István Pukánszky, DSc.