

OBSAH

1. Clinical Kinesiology and Pathogenesis 1.....	2
2. Clinical Kinesiology and Pathogenesis 2.....	4
3. Clinical kinesiology and pathogenesis 3.....	6
4. Continuous Professional Training 6.....	8
5. Continuous Professional Training 1.....	10
6. Continuous Professional Training 3.....	12
7. Continuous Professional Training 4.....	14
8. Continuous Professional Training 5.....	16
9. Continuous Professional training 2.....	18
10. Defense of the Theoretical Part of the Thesis.....	20
11. Dissertation Defense.....	22
12. English Language.....	24
13. Methodology of Scientific Work 1.....	26
14. Methodology of Scientific Work 2.....	28
15. Methodology of Scientific Work 3.....	30
16. Student Mobility for Traineeships.....	32

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KFYZIO/54F3001W/22	Course title: Clinical Kinesiology and Pathogenesis 1
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 2 / 2 hours per semester: 24 / 24 Teaching method: on-site	
Credits: 2	Working load: 50 hours
Recommended semester/trimester: 1.	
Level of study: III.	
Prerequisites:	
Requirements for passing the course: Conditions for completing the course: Final evaluation: oral exam A – 100%-93% B – 92%-85% C – 84%-77% D – 76%-69% E – 68%-60% FX – 59%- 0%	
Learning outcomes of the course: Learning outcomes Course objective: Demonstrate theoretical knowledge at the current field of Physiotherapy, together with the link to associated and related theoretical scientific disciplines to the extent necessary to solve an assigned scientific problem. Theoretical knowledge: Student masters the physiotherapeutic scope, including kinesiology and pathokinesiology, functional diagnostics of the locomotor system, kinesiotherapy methods, balneotherapy, climatotherapy, hydrotherapy, thermotherapy, electrotherapy, fototherapy and other parts of the field to the extent necessary for applied clinical research. Practical skills: Student is capable of independent scientific activity and brings own problem solutions in the field of physiotherapy.	
Course contents: Course contents: 1. Kinesiology of prototype activities. 2. Postural and locomotor (gross) abilities. Interconnection of postural and locomotor abilities, context and differences. Significance for clinical practice. 3. System of dexterous motor function - fine motor skills. Relationship between fine and gross motor abilities. 4. Primary postural activities characteristics under physiological conditions, possible manifestations of pathology. Distinct examination of the musculoskeletal system for the needs of physiotherapy in clinical practice.	

5. Special kinesiology and pathokinesiology of the axial system.
6. Movement in the communication system.

Recommended or required literature:

1. DYLEVSKÝ, I.: Kineziológia. Triton , Praha 2009
2. DYLEVSKÝ, I.: Obecná kineziológia. Grada, Praha 2009
3. GÚTH, A. a kol.: Vyšetrovacie metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH Bratislava.
4. KOLÁŘ, P. : Rehabilitace v klinické praxi. Galen, Praha 2010.
5. VÉLE, F.: Kineziologie. Triton, Praha 2006
6. RYCHLÍKOVÁ, E.: Manuální medicína. 4.rozšířené vyd. Praha: Maxdorf, 2009. 504s. ISBN: 9788073451691
7. PAVLŮ, D.: Speciální fyzioterapeutické koncepty a metody, Akademické nakladatelství CERM s.r.o 2003. 239 s., ISBN: 8072043129
8. MCKENZIE, R.: Léčíme si záda sami. 1. autorizované vyd. prekladu knihy R. A. McKenzie z anglického originálu Treat Your Own Back vydaného nakladateľstvom Spinal Publications New Zealand Ltd. Praha: Rehabilitace a neurologie, 2005. 82s. ISBN 80-239-4861-X.

Language of instruction:

Slovak, english

Notes:

Course evaluation:

Assessed students in total: 1

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

Name of lecturer(s): doc. MUDr. Jozef Kobela, PhD.

Last modification: 11.05.2022

Supervisor(s):

Guarantor:

prof. MUDr. Anna Lesňáková, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KFYZIO/54F3004W/22	Course title: Clinical Kinesiology and Pathogenesis 2
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 2 / 4 hours per semester: 24 / 48 Teaching method: on-site	
Credits: 2	Working load: 50 hours
Recommended semester/trimester: 2.	
Level of study: III.	
Prerequisites:	
Requirements for passing the course: Conditions for completing the course: Final evaluation: oral exam A – 100%-93% B – 92%-85% C – 84%-77% D – 76%-69% E – 68%-60% FX – 59%- 0%	
Learning outcomes of the course: Learning outcomes Course objective: Demonstrate theoretical knowledge at the current field of Physiotherapy, together with the link to associated and related theoretical scientific disciplines to the extent necessary to solve an assigned scientific problem. Theoretical knowledge: Student masters the physiotherapeutic scope, including kinesiology and pathokinesiology, functional diagnostics of the locomotor system, kinesiotherapy methods, balneotherapy, climatotherapy, hydrotherapy, thermotherapy, electrotherapy, fototherapy and other parts of the field to the extent necessary for applied clinical research. Practical skills: Student is capable of independent scientific activity and brings own problem solutions in the field of physiotherapy.	
Course contents: Course contents: 1. Tests and scales in functional diagnostics of the locomotor system. 2. Muscular loop. 3. Muscle chaining. 4. Examination algorithm in surgery, traumatology and orthopedics. 5. Examination algorithm in surgery in neurology.	

Recommended or required literature:

1. DYLEVSKÝ, I.: Kineziológia. Triton , Praha 2009
2. DYLEVSKÝ, I.: Obecná kineziológia. Grada, Praha 2009
3. GÚTH, A. a kol.: Vyšetrovacie metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH Bratislava.
4. KOLÁŘ, P. : Rehabilitace v klinické praxi. Galen, Praha 2010.
5. VÉLE, F.: Kineziológia. Triton, Praha 2006
6. RYCHLÍKOVÁ, E.: Manuální medicína. 4.rozšírené vyd. Praha: Maxdorf, 2009. 504s. ISBN: 9788073451691
7. PAVLŮ, D.: Speciální fyzioterapeutické koncepty a metody, Akademické nakladatelství CERM s.r.o 2003. 239 s., ISBN: 8072043129
8. MCKENZIE, R.: Léčíme si záda sami. 1. autorizované vyd. prekladu knihy R. A. McKenzie z anglického originálu Treat Your Own Back vydaného nakladateľstvom Spinal Publications New Zealand Ltd. Praha: Rehabilitace a neurologie, 2005. 82s. ISBN 80-239-4861-X.

Language of instruction:

Slovak

Notes:**Course evaluation:**

Assessed students in total: 1

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

Name of lecturer(s): doc. MUDr. Jozef Kobela, PhD.**Last modification:** 11.05.2022**Supervisor(s):****Guarantor:**

prof. MUDr. Anna Lesňáková, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KFYZIO/54F3007W/22	Course title: Clinical kinesiology and pathogenesis 3
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 2 / 4 hours per semester: 24 / 48 Teaching method: on-site	
Credits: 2	Working load: 50 hours
Recommended semester/trimester: 3.	
Level of study: III.	
Prerequisites:	
Requirements for passing the course: Conditions for completing the course: Final evaluation: oral exam A – 100%-93% B – 92%-85% C – 84%-77% D – 76%-69% E – 68%-60% FX – 59%- 0%	
Learning outcomes of the course: Learning outcomes Course objective: Demonstrate theoretical knowledge at the current field of Physiotherapy, together with the link to associated and related theoretical scientific disciplines to the extent necessary to solve an assigned scientific problem. Theoretical knowledge: Student masters the physiotherapeutic scope, including kinesiology and pathokinesiology, functional diagnostics of the locomotor system, kinesiotherapy methods, balneotherapy, climatotherapy, hydrotherapy, thermotherapy, electrotherapy, fototherapy and other parts of the field to the extent necessary for applied clinical research. Practical skills: Student is capable of independent scientific activity and brings own problem solutions in the field of physiotherapy.	
Course contents: Course contents: 1. Examination algorithm in gynecology and obstetrics. 2. Examination algorithm in internal medicine and other clinical disciplines. 3. Diagnostic imaging techniques 4. Examination of the communication function. 5. Knowledge of the current situation in the field of physiotherapy.	

Recommended or required literature:

1. DYLEVSKÝ, I.: Kineziológia. Triton , Praha 2009
2. DYLEVSKÝ, I.: Obecná kineziológia. Grada, Praha 2009
3. GÚTH, A. a kol.: Vyšetrovacie metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH Bratislava.
4. KOLÁŘ, P. : Rehabilitace v klinické praxi. Galen, Praha 2010.
5. VÉLE, F.: Kineziológia. Triton, Praha 2006
6. RYCHLÍKOVÁ, E.: Manuální medicína. 4.rozšírené vyd. Praha: Maxdorf, 2009. 504s. ISBN: 9788073451691
7. PAVLŮ, D.: Speciální fyzioterapeutické koncepty a metody, Akademické nakladatelství CERM s.r.o 2003. 239 s., ISBN: 8072043129
8. MCKENZIE, R.: Léčíme si záda sami. 1. autorizované vyd. prekladu knihy R. A. McKenzie z anglického originálu Treat Your Own Back vydaného nakladateľstvom Spinal Publications New Zealand Ltd. Praha: Rehabilitace a neurologie, 2005. 82s. ISBN 80-239-4861-X.

Language of instruction:

slovak

Notes:**Course evaluation:**

Assessed students in total: 2

A	B	C	D	E	FX
50.0	50.0	0.0	0.0	0.0	0.0

Name of lecturer(s): doc. MUDr. Jozef Kobela, PhD.**Last modification:** 11.05.2022**Supervisor(s):****Guarantor:**

prof. MUDr. Anna Lesňáková, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KFYZIO/54F3013W/22	Course title: Continuous Professional Training 6
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: hours per semester: 130s Teaching method: on-site	
Credits: 2	Working load: 50 hours
Recommended semester/trimester: 6.	
Level of study: III.	
Prerequisites:	
Requirements for passing the course: Conditions for completing the course: During the semester: regular participation in practical seminars Final evaluation: practical skills in practice seminars Course evaluation: A – 100%-93% B – 92%-85% C – 84%-77% D – 76%-69% E – 68%-60% FX – 59%- 0%	
Learning outcomes of the course: Learning outcomes To acquire skills with the research results of a physiotherapist in physiotherapy procedures while researching the topic of his work in natural conditions. Theoretical knowledge: The student has knowledge of pathology in exercise programs in physiotherapy practice. Practical skills: The student applies acquired skills about movement programs in physiotherapy practice, makes statistical assessments.	
Course contents: Course contents: 1. Application of physiotherapy procedures to the patient under professional supervision. 2. Goniometric measurements. 3. Physical therapy. 4. Research activity and measurement of diagnoses according to the topic of your work 5. Scientific, research and statistical work of a doctoral student	

Recommended or required literature:

1. GÚTH, A. a kol.: Vyšetrovacie metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH, Bratislava.
2. GÚTH, A. a kol.: Liečebné metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH, Bratislava.
3. JANDA, V: Svalové funkční testy, Grada Publishing, Praha 2004
4. KOLÁŘ, P. Rehabilitace v klinické praxi, Galen, Praha 2010.

Language of instruction:

Slovak language

Notes:**Course evaluation:**

Assessed students in total: 6

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

Name of lecturer(s): doc. PhDr. Zuzana Hudáková, PhD.**Last modification:** 25.03.2024**Supervisor(s):****Guarantor:**

prof. MUDr. Anna Lesňáková, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KFYZIO/54F3003W/22	Course title: Continuous Professional Training 1
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: hours per semester: 130s Teaching method: on-site	
Credits: 2	Working load: 50 hours
Recommended semester/trimester: 1.	
Level of study: III.	
Prerequisites:	
Requirements for passing the course: Conditions for completing the course: During the semester: regular participation in practical seminars Final evaluation: practical skills in practical seminars Course evaluation: A – 100%-93% B – 92%-85% C – 84%-77% D – 76%-69% E – 68%-60% FX – 59%- 0%	
Learning outcomes of the course: Learning outcomes To acquire skills with the research results of a physiotherapist in physiotherapy procedures while researching the topic of his work in natural conditions. Theoretical knowledge: The student has knowledge of pathology in exercise programs in physiotherapy practice. Practical skills: The student applies acquired skills about movement programs in physiotherapy practice, makes statistical assessments.	
Course contents: Course contents: 1. Application of physiotherapy procedures to the patient under professional supervision. 2. Goniometric measurements. 3. Physical therapy. 4. Research activity and measurement of diagnoses according to the topic of your work 5. Scientific, research and statistical work of a doctoral student	

Recommended or required literature:

1. GÚTH, A. a kol.: Vyšetrovacie metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH, Bratislava.
2. GÚTH, A. a kol.: Liečebné metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH, Bratislava.
3. JANDA, V: Svalové funkční testy, Grada Publishing, Praha 2004
4. KOLÁŘ, P. Rehabilitace v klinické praxi, Galen, Praha 2010.

Language of instruction:

Slovak

Notes:**Course evaluation:**

Assessed students in total: 1

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

Name of lecturer(s): doc. PhDr. Zuzana Hudáková, PhD.**Last modification:** 25.03.2024**Supervisor(s):****Guarantor:**

prof. MUDr. Anna Lesňáková, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KFYZIO/54F3009W/17	Course title: Continuous Professional Training 3
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: hours per semester: 130s Teaching method: on-site	
Credits: 2	Working load: 50 hours
Recommended semester/trimester: 3.	
Level of study: III.	
Prerequisites:	
Requirements for passing the course: Conditions for completing the course: During the semester: regular participation in practical seminars Final evaluation: practical skills in practice seminars Course evaluation: A – 100%-93% B – 92%-85% C – 84%-77% D – 76%-69% E – 68%-60% FX – 59%- 0%	
Learning outcomes of the course: Learning outcomes Course objective: To acquire fundamental abilities, skills, and habits of physiotherapeutic methods in clinical conditions. Theoretical knowledge: Student is familiar with kinesiological programs in physiotherapy practice. Practical skills: Student applies the acquired skills of kinesiological programs in physiotherapy practice.	
Course contents: Course contents: 1. Training of fundamental abilities, skills, and habits of a physiotherapist. 2. Application of physiotherapeutic procedures under professional supervision. 3. Examination of shortened and weakened muscle groups. 4. Goniometric measurements. 5. Physical therapy. 6. Exercise according to a muscle test. 7. Accompanying and instructing the patient.	

Recommended or required literature:

1. GÚTH, A. a kol.: Vyšetrovacie metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH, Bratislava.
2. GÚTH, A. a kol.: Liečebné metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH, Bratislava.
3. JANDA, V: Svalové funkční testy, Grada Publishing, Praha 2004
4. KOLÁŘ, P. Rehabilitace v klinické praxi, Galen, Praha 2010.

Language of instruction:

Slovak

Notes:**Course evaluation:**

Assessed students in total: 14

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

Name of lecturer(s): doc. PhDr. Zuzana Hudáková, PhD.**Last modification:** 23.11.2020**Supervisor(s):****Guarantor:**

prof. MUDr. Anna Lesňáková, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KFYZIO/54F3012W/22	Course title: Continuous Professional Training 4
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: hours per semester: 130s Teaching method: on-site	
Credits: 2	Working load: 50 hours
Recommended semester/trimester: 4.	
Level of study: III.	
Prerequisites:	
Requirements for passing the course: Conditions for completing the course: During the semester: regular participation in practical seminars Final evaluation: practical skills in practice seminars Course evaluation: A – 100%-93% B – 92%-85% C – 84%-77% D – 76%-69% E – 68%-60% FX – 59%- 0%	
Learning outcomes of the course: Learning outcomes To acquire skills with the research results of a physiotherapist in physiotherapy procedures while researching the topic of his work in natural conditions. Theoretical knowledge: The student has knowledge of pathology in exercise programs in physiotherapy practice. Practical skills: The student applies acquired skills about movement programs in physiotherapy practice, makes statistical assessments.	
Course contents: Course contents: 1. Application of physiotherapy procedures to the patient under professional supervision. 2. Goniometric measurements. 3. Physical therapy. 4. Research activity and measurement of diagnoses according to the topic of your work 5. Scientific, research and statistical work of a doctoral student	

Recommended or required literature:

1. GÚTH, A. a kol.: Vyšetrovacie metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH, Bratislava.
2. GÚTH, A. a kol.: Liečebné metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH, Bratislava.
3. JANDA, V: Svalové funkční testy, Grada Publishing, Praha 2004
4. KOLÁŘ, P. Rehabilitace v klinické praxi, Galen, Praha 2010.

Language of instruction:

slovak

Notes:**Course evaluation:**

Assessed students in total: 2

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

Name of lecturer(s): doc. PhDr. Zuzana Hudáková, PhD.**Last modification:** 25.03.2024**Supervisor(s):****Guarantor:**

prof. MUDr. Anna Lesňáková, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KFYZIO/54F3010W/22	Course title: Continuous Professional Training 5
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: hours per semester: 130s Teaching method: on-site	
Credits: 2	Working load: 50 hours
Recommended semester/trimester: 5.	
Level of study: III.	
Prerequisites:	
Requirements for passing the course: Conditions for completing the course: During the semester: regular participation in practical seminars Final evaluation: practical skills in practice seminars Course evaluation: A – 100%-93% B – 92%-85% C – 84%-77% D – 76%-69% E – 68%-60% FX – 59%- 0%	
Learning outcomes of the course: Learning outcomes To acquire skills with the research results of a physiotherapist in physiotherapy procedures while researching the topic of his work in natural conditions. Theoretical knowledge: The student has knowledge of pathology in exercise programs in physiotherapy practice. Practical skills: The student applies acquired skills about movement programs in physiotherapy practice, makes statistical assessments.	
Course contents: Course contents: 1. Application of physiotherapy procedures to the patient under professional supervision. 2. Goniometric measurements. 3. Physical therapy. 4. Research activity and measurement of diagnoses according to the topic of your work 5. Scientific, research and statistical work of a doctoral student	

Recommended or required literature:

1. GÚTH, A. a kol.: Vyšetrovacie metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH, Bratislava.
2. GÚTH, A. a kol.: Liečebné metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH, Bratislava.
3. JANDA, V: Svalové funkční testy, Grada Publishing, Praha 2004
4. KOLÁŘ, P. Rehabilitace v klinické praxi, Galen, Praha 2010.

Language of instruction:

Slovak language

Notes:**Course evaluation:**

Assessed students in total: 6

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

Name of lecturer(s): doc. PhDr. Zuzana Hudáková, PhD.**Last modification:** 25.03.2024**Supervisor(s):****Guarantor:**

prof. MUDr. Anna Lesňáková, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KFYZIO/54F3006W/22	Course title: Continuous Professional training 2
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: hours per semester: 130s Teaching method: on-site	
Credits: 2	Working load: 50 hours
Recommended semester/trimester: 2.	
Level of study: III.	
Prerequisites:	
Requirements for passing the course: Conditions for completing the course: During the semester: regular participation in practical seminars Final evaluation: practical skills in practice seminars Course evaluation: A – 100%-93% B – 92%-85% C – 84%-77% D – 76%-69% E – 68%-60% FX – 59%- 0%	
Learning outcomes of the course: Learning outcomes To acquire skills with the research results of a physiotherapist in physiotherapy procedures while researching the topic of his work in natural conditions. Theoretical knowledge: The student has knowledge of pathology in exercise programs in physiotherapy practice. Practical skills: The student applies acquired skills about movement programs in physiotherapy practice, makes statistical assessments.	
Course contents: Course contents: 1. Application of physiotherapy procedures to the patient under professional supervision. 2. Goniometric measurements. 3. Physical therapy. 4. Research activity and measurement of diagnoses according to the topic of your work 5. Scientific, research and statistical work of a doctoral student	

Recommended or required literature:

1. GÚTH, A. a kol.: Vyšetrovacie metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH, Bratislava.
2. GÚTH, A. a kol.: Liečebné metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH, Bratislava.
3. JANDA, V: Svalové funkční testy, Grada Publishing, Praha 2004
4. KOLÁŘ, P. Rehabilitace v klinické praxi, Galen, Praha 2010.

Language of instruction:

Slovak

Notes:**Course evaluation:**

Assessed students in total: 1

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

Name of lecturer(s): doc. PhDr. Zuzana Hudáková, PhD.**Last modification:** 25.03.2024**Supervisor(s):****Guarantor:**

prof. MUDr. Anna Lesňáková, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KFYZIO/54F32S/22	Course title: Defense of the Theoretical Part of the Thesis
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 0 / 0 hours per semester: 0 / 0 Teaching method: on-site	
Credits: 15	Working load: 375 hours
Recommended semester/trimester:	
Level of study: III.	
Prerequisites:	
Requirements for passing the course: Conditions for completing the course: Student demonstrates the ability to work independently and creatively, masters the scientific work methods, and brings new knowledge for the area he specializes in. PhD student dissertation's result is publishable, dissertation composition is fixed. It proves the knowledge of scientific text conventions (citation methodology, bibliographic references standards, etc.). Final evaluation: It considers the dissertation supervisor and opponent's evaluation, originality control protocol, and the dissertation's defense in front of the exam committee.	
Learning outcomes of the course: Learning outcomes Course objective: Student can manage local and foreign scientific literature, select essential information for the dissertation topic, and apply professional knowledge to collect, interpret, and process basic scientific literature. Practical skills: Formally process the assigned topic.	
Course contents: Course contents: Defined in the information sheets of Scientific Thesis Methodology 1-3, Clinical Kinesiology and Pathokinesiology 1-3.	
Recommended or required literature: 1. HANÁČEK, J. - JAVORKA, K. Vedecká príprava. Martin : Osveta, 2010. . 2. HOVORKA, D. a kol. Ako písať a komunikovať. Martin : Osveta, 2011. 3. KATUŠČÁK, D. Ako písať vysokoškolské a kvalifikačné práce. Nitra : Enigma, 2009. 4. MALÍKOVÁ, K. a kol. Príprava a písanie záverečnej práce. Ružomberok : FZ KU, 2008. 5. MEŠKO, D. - KATUŠČÁK, D. - FINDRA, J. a kol. Akademická príručka. Martin : Osveta, 2005. 6. STAROŇOVÁ, K. Vedecké písanie. Martin : Osveta, 2011. 7. TUREK, I. Ako písať záverečnú prácu. Bratislava : Metodicko-pedagogické centrum, 2005. 8. VYDRA, A. Akademické písanie. Trnava : Filozofická fakulta Trnavskej univerzity, 2010. 9. ŽIAKOVÁ, K. a kol. Ošetrovatelstvo teória a vedecký výskum. Martin: Osveta, 2009.	

Language of instruction: Slovak language					
Notes:					
Course evaluation: Assessed students in total: 2					
A	B	C	D	E	FX
50.0	50.0	0.0	0.0	0.0	0.0
Name of lecturer(s):					
Last modification: 11.05.2022					
Supervisor(s): Guarantor: prof. MUDr. Anna Lesňáková, PhD.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KFYZIO/54F35S/22	Course title: Dissertation Defense
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 0 / 0 hours per semester: 0 / 0 Teaching method: on-site	
Credits: 40	Working load: 1000 hours
Recommended semester/trimester:	
Level of study: III.	
Prerequisites:	
Requirements for passing the course: Conditions for completing the course: Dissertation thesis is the final task of a PhD student. By dissertation, PhD student demonstrates the ability to work independently and creatively, masters the scientific work methods, and brings new knowledge for the area he specializes in. PhD student dissertation's result is publishable, corresponds to the content, and methodological and formal criteria imposed on scientific projects. It proves the knowledge of scientific text conventions (citation methodology, bibliographic references standards, etc.), and demonstrates the capacity of the graphic presentation (graphs, diagrams, pictures). Final evaluation: It considers the dissertation supervisor and opponent's evaluation, originality control protocol, and the dissertation's defense in front of the exam committee.	
Learning outcomes of the course: Learning outcomes Student can manage local and foreign scientific literature, select essential information for the dissertation topic, and apply professional knowledge to collect, interpret, and process basic scientific literature.	
Course contents: Defined in the information sheets of Scientific Thesis Methodology 1-3, Clinical Kinesiology and Pathokinesiology 1-3.	
Recommended or required literature: 1. HANÁČEK, J. - JAVORKA, K. Vedecká príprava. Martin : Osveta, 2010. . 2. HOVORKA, D. a kol. Ako písať a komunikovať. Martin : Osveta, 2011. 3. KATUŠČÁK, D. Ako písať vysokoškolské a kvalifikačné práce. Nitra : Enigma, 2009. 4. MALÍKOVÁ, K. a kol. Príprava a písanie záverečnej práce. Ružomberok : FZ KU, 2008. 5. MEŠKO, D. - KATUŠČÁK, D. - FINDRA, J. a kol. Akademická príručka. Martin : Osveta, 2005. 6. STAROŇOVÁ, K. Vedecké písanie. Martin : Osveta, 2011. 7. TUREK, I. Ako písať záverečnú prácu. Bratislava : Metodicko-pedagogické centrum, 2005. 8. VYDRA, A. Akademické písanie. Trnava : Filozofická fakulta Trnavskej univerzity, 2010. 9. ŽIAKOVÁ, K. a kol. Ošetrovatelstvo teória a vedecký výskum. Martin: Osveta, 2009.	

Language of instruction: Slovak language					
Notes:					
Course evaluation: Assessed students in total: 5					
A	B	C	D	E	FX
40.0	0.0	60.0	0.0	0.0	0.0
Name of lecturer(s):					
Last modification: 11.05.2022					
Supervisor(s): Guarantor: prof. MUDr. Anna Lesňáková, PhD.					

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KFYZIO/54F3001Y/22	Course title: English Language
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: 2 hours per semester: 24 Teaching method: on-site	
Credits: 2	Working load: 50 hours
Recommended semester/trimester: 1.	
Level of study: III.	
Prerequisites:	
Requirements for passing the course: Prerequisites: unrelated Conditions for passing the course: During the semester: active participation in exercises. Preparation of a presentation for a scientific conference abroad. Participation in the language exam. Final evaluation: language test before the commission. Course evaluation: A - 100% -93% B - 92% -85% C - 84% -77% D - 76% -69% E - 68% -60% FX - 59% - 0%	
Learning outcomes of the course: The student will gain knowledge of academic writing of presentations, abstracts and articles in English The student will gain the ability to write, presentation, abstract, or article that will be acceptable in the field of physiotherapy.	
Course contents: 1. Differences between academic writing and common literary forms. 2. Choosing the right words and phraseology. 3. PPT Presentation and its parts. 4. Poster. Structured poster. 5. Structured article and its parts. 6. Discussion in a scientific article. 7. Exercise: preparation of PPT presentation 8. Exercise: Preparation of abstract and structured abstract. 9. Exercise: Writing the introduction and methodology used in the article. 10. Exercise: Results and their interpretation in a scientific article. 11. Exercise: Diskusia, conclusion of the article and literature.	

12. Exercise: Review of a scientific article.

Recommended or required literature:

BAILEY, S.: Academic writhing: a handbook for international students, Routledge, London, 2015.

DAY, T.: Succes in academic writing, Palgrave McMillan, Basingstoke, 2015.

HAYOC, E.: The elements of academic style: writhing for the humanities, Columbia University Press, New York, 2014.

OSMOND, A.: Academic Writing and Grammar for Students, Sage Publication, London, 2013.

SOWTON, CH.: 50 steps to improving academic writing: study book, Garnet Education, Reading, 2014.

Language of instruction:

Slovak Language

English Language

Notes:

The course is taught only in the summer semester and is evaluated only in the relevant examination period of the summer semester of the academic year.

Course evaluation:

Assessed students in total: 1

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

Name of lecturer(s): doc. PhDr. Mgr. Vladimír Littva, PhD., MPH

Last modification: 11.05.2022

Supervisor(s):

Guarantor:

prof. MUDr. Anna Lesňáková, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KFYZIO/54F3002W/22	Course title: Methodology of Scientific Work 1
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 2 / 2 hours per semester: 24 / 24 Teaching method: on-site	
Credits: 2	Working load: 50 hours
Recommended semester/trimester: 1.	
Level of study: III.	
Prerequisites:	
Requirements for passing the course: Prerequisites: unrelated Conditions for passing the course: During the semester: the student submits a seminar paper with a specific assignment on the topic of his work, based on which it will be evaluated Final evaluation: oral exam Course evaluation: A - 100% -93% B - 92% -85% C - 84% -77% D - 76% -69% E - 68% -60% FX - 59% - 0%	
Learning outcomes of the course: Course objective: To know and follow the ethical and legal norms governing procedures in science and research, including the principles of writing scientific work. Master the professional, technical aspects of working with literature. To master the sequence of steps of searching for representative literary sources, principles of critical evaluation of literature, basic relations. Theoretical knowledge: The student theoretically manages the methodology of research work, can formulate research problems, goals, set hypotheses, prepare research strategy and its implementation, publish and present research results. He expands his knowledge of scientific methodology, creation of scientific work and its projects. Acquires practical procedures for the implementation of a research project. Adequately and ethically publishes and presents the acquired theoretical knowledge. Practical skills: The practical student manages the methodology of research work, can formulate research problems, goals, set hypotheses, prepare research strategy and its implementation, publish and present research results. He masters standard application software and applies practical skills in database creation	

and data processing. Can correctly apply basic statistical methods in solving scientific research problems

Course contents:

1. Introduction to scientific research. Scientific events and their categories.
2. Ethical and legal aspects in science and research.
3. Work with professional literature and other documents (bibliographic databases, index journals, citation index, impact factor).
4. Search for literary sources, their use and processing.
5. Qualitative, quantitative, mixed research in nursing.
6. Clinical studies.

Recommended or required literature:

1. BÁRTLOVÁ, S., SADILEK, P., TOTHOVÁ, V. Výzkum a ošetrovatelství. Brno: NCO NZO, 2008. 185 p.
2. BENČO, J. Metodológia vedeckého výskumu. Bratislava: Iris, 2001. 200 p.
3. HANÁČEK, J, JAVORKA, K. Vedecká príprava. Martin: Osveta, 2010. 220 p.
4. HOVORKA, D. a kol. Ako písať a komunikovať. Martin: Osveta, 2011. 247 p.
5. GAVORA, P. Úvod do pedagogického výskumu. Bratislava: UK, 2001. 236 p
6. KAHN, N. B. Jak efektivně studovat a pracovat s informacemi. Praha: Portál, 2001. 149 p.
7. KATUŠČÁK, D. Ako písať vysokoškolské a kvalifikačné práce. Nitra: Enigma, 2009. 162 p.
8. KEITH F. PUNCH. Základy kvantitatívneho šetření. Praha: Portál, 2008. 152 p.
9. MEŠKO, D., KATUŠČÁK, D., FINDRA, J. a kol. Akademická príručka. Martin: Osveta, 2005. 496 p
10. ONDREJKOVIČ, P. Úvod do metodológie spoločenskovedného výskumu. Bratislava: Veda, 2007. 245 s. SILVERMAN, D. Ako robiť kvalitatívny výskum. Bratislava: Ikar, 2005. 327 p.
11. ŽIAKOVÁ, K. a kol. Ošetrovatelstvo teória a vedecký výskum. Martin: Osveta, 2009. 323 p.
12. RUSNÁK, M. Bioštatistika. Trnava : Typi Universitatis tyrnaviensis, 2010, 216 p. ISBN 978-80-8082-332-0
13. ZVÁROVÁ, J. Biomedicínska statistika I. Praha: Karolinum, 2011
14. Smernica dekana FZ o ukončení studia. Smernica rektora KU č. 4/2011

Language of instruction:

Slovak Language

Notes:

The course is taught only in the winter semester and is evaluated only in the relevant examination period of the winter semester of the academic year.

Course evaluation:

Assessed students in total: 1

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

Name of lecturer(s): doc. PhDr. Mgr. Vladimír Littva, PhD., MPH

Last modification: 11.05.2022

Supervisor(s):

Guarantor:

prof. MUDr. Anna Lesňáková, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KFYZIO/54F3005W/22	Course title: Methodology of Scientific Work 2
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 2 / 2 hours per semester: 24 / 24 Teaching method: on-site	
Credits: 2	Working load: 50 hours
Recommended semester/trimester: 2.	
Level of study: III.	
Prerequisites:	
Requirements for passing the course: Conditions for completing the course: During the semester: Student submits a seminar project with a specific assignment on his thesis topic. Student will be evaluated based on this project. Final evaluation: Oral exam A – 100%-93% B – 92%-85% C – 84%-77% D – 76%-69% E – 68%-60% FX – 59%- 0%	
Learning outcomes of the course: Learning outcomes Course objective: To know and follow the ethical and legal norms overseeing procedures in science and research, including the principles of writing a scientific thesis. To understand the professional, technical aspects of working with references. To handle the sequence of searching for representative references, principles of critical evaluation of literature, and basic relations. Theoretical knowledge: Student manages the theory of research methodology, can formulate research problems, goals, set hypotheses, prepare research strategy and its implementation and publish and present research results. Student develops his knowledge of scientific methodology, a conception of scientific work and its projects, and acquires practical procedures for implementing a research project. Adequately and ethically publishes and presents the acquired theoretical principles. Practical skills: Student practically manages the research work methodology, can formulate research problems, goals, set hypotheses, prepare research strategy and its implementation, and publish and present research results. Student understands standard application software and applies practical skills in database conception and data processing. Student can accurately apply basic statistical methods in solving scientific research problems in the field of physiotherapy and interprets the results of his experiment.	
Course contents:	

Course contents:

1. Qualitative, quantitative, mixed research in physiotherapy.
2. Clinical studies.
3. Planning, procedure and processing of scientific projects.
4. Grants and grant agencies. Measures of central tendency and variance.
5. Estimates.
6. Scientific methodology.

Recommended or required literature:

1. BÁRTLOVÁ, S., SADILEK, P., TOTHOVÁ, V. Výzkum a ošetrovatelství. Brno: NCO NZO, 2008. 185 s.
2. BENČO, J. Metodológia vedeckého výskumu. Bratislava: Iris, 2001. 200 s.
3. HANÁČEK, J, JAVORKA, K. Vedecká príprava. Martin: Osveta, 2010. 220 s.
4. HOVORKA, D. a kol. Ako písať a komunikovať. Martin: Osveta, 2011. 247 s.
5. GAVORA, P. Úvod do pedagogického výskumu. Bratislava: UK, 2001. 236 s.
6. KAHN, N. B. Jak efektivně studovat a pracovat s informacemi. Praha: Portál, 2001. 149 s.
7. KATUŠČÁK, D. Ako písať vysokoškolské a kvalifikačné práce. Nitra: Enigma, 2009. 162 s.
8. KEITH F. PUNCH. Základy kvantitatívneho šetření. Praha: Portál, 2008. 152 s.
9. MEŠKO, D., KATUŠČÁK, D., FINDRA, J. a kol. Akademická príručka. Martin: Osveta, 2005. 496 s.
10. ONDREJKOVIČ, P. Úvod do metodológie spoločenskovedného výskumu. Bratislava: Veda, 2007. 245 s. SILVERMAN, D. Ako robiť kvalitatívny výskum. Bratislava: Ikar, 2005. 327 s.
11. ŽIAKOVÁ, K. a kol. Ošetrovatelstvo teória a vedecký výskum. Martin: Osveta, 2009. 323 s.
12. RUSNÁK, M. Bioštatistika. Trnava : Typi Universitatis tyrnaviensis, 2010, 216 s. ISBN 978-80-8082-332-0
13. ZVÁROVÁ, J. Biomedicínska statistika I. Praha: Karolinum, 2011
14. Smernica dekana FZ o ukončení studia. Smernica rektora KU 2020

Language of instruction:

slovak

Notes:**Course evaluation:**

Assessed students in total: 1

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

Name of lecturer(s): doc. PhDr. Mgr. Vladimír Littva, PhD., MPH**Last modification:** 11.05.2022**Supervisor(s):****Guarantor:**

prof. MUDr. Anna Lesňáková, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KFYZIO/54F3008W/22	Course title: Methodology of Scientific Work 3
Type and range of planned learning activities and teaching methods: Form of instruction: Lecture / Seminar Recommended study range: hours weekly: 2 / 2 hours per semester: 24 / 24 Teaching method: on-site	
Credits: 2	Working load: 50 hours
Recommended semester/trimester: 3.	
Level of study: III.	
Prerequisites:	
Requirements for passing the course: Conditions for completing the course: Final evaluation: Oral exam A – 100%-93% B – 92%-85% C – 84%-77% D – 76%-69% E – 68%-60% FX – 59%- 0%	
Learning outcomes of the course: Learning outcomes Course objective: To know and follow the ethical and legal norms overseeing procedures in science and research, including the principles of writing a scientific thesis. To understand the professional, technical aspects of working with references. To handle the sequence of searching for representative references, principles of critical evaluation of literature, and basic relations. Theoretical knowledge: Student manages the theory of research methodology, can formulate research problems, goals, set hypotheses, prepare research strategy and its implementation and publish and present research results. Student develops his knowledge of scientific methodology, a conception of scientific work and its projects, and acquires practical procedures for implementing a research project. Adequately and ethically publishes and presents the acquired theoretical principles. Practical skills: Student practically manages the research work methodology, can formulate research problems, goals, set hypotheses, prepare research strategy and its implementation, and publish and present research results. Student understands standard application software and applies practical skills in database conception and data processing. Student can accurately apply basic statistical methods in solving scientific research problems in the field of physiotherapy and interprets the results of his experiment.	
Course contents: Course contents: 1. Verification of hypotheses.	

2. Analysis of variance.
3. Regression and correlation.
4. Chi-square and nonparametric statistics.
5. Publication of research results.
6. Preparation and presentation of research results - oral and written presentation.
7. Preparation and presentation of a scientific lecture.
8. Publishing monography, textbooks in Slovakia and abroad.
9. Preparation, processing and presentation of the dissertation thesis, dissertation abstract.

Recommended or required literature:

1. BÁRTLOVÁ, S., SADILEK, P., TOTHOVÁ, V. Výzkum a ošetrovatelství. Brno: NCO NZO, 2008. 185 s.
2. BENČO, J. Metodológia vedeckého výskumu. Bratislava: Iris, 2001. 200 s.
3. HANÁČEK, J, JAVORKA, K. Vedecká príprava. Martin: Osveta, 2010. 220 s.
4. HOVORKA, D. a kol. Ako písať a komunikovať. Martin: Osveta, 2011. 247 s.
5. GAVORA, P. Úvod do pedagogického výskumu. Bratislava: UK, 2001. 236 s
6. KAHN, N. B. Jak efektivně studovat a pracovat s informacemi. Praha: Portál, 2001. 149 s.
7. KATUŠČÁK, D. Ako písať vysokoškolské a kvalifikačné práce. Nitra: Enigma, 2009. 162 s.
8. KEITH F. PUNCH. Základy kvantitatívneho šetření. Praha: Portál, 2008. 152 s.
9. MEŠKO, D., KATUŠČÁK, D., FINDRA, J. a kol. Akademická príručka. Martin: Osveta, 2005. 496 s
10. ONDREJKOVIČ, P. Úvod do metodológie spoločenskovedného výskumu. Bratislava: Veda, 2007. 245 s. SILVERMAN, D. Ako robiť kvalitatívny výskum. Bratislava: Ikar, 2005. 327 s.
11. ŽIAKOVÁ, K. a kol. Ošetrovatelstvo teória a vedecký výskum. Martin: Osveta, 2009. 323 s.
12. RUSNÁK, M. Bioštatistika. Tnava : Typi Universitatis tyrnaviensis, 2010, 216 s. ISBN 978-80-8082-332-0
13. ZVÁROVÁ, J. Biomedicínska statistika I. Praha: Karolinum, 2011
14. Smernica dekana FZ o ukončení studia. Smernica rektora KUr 2020

Language of instruction:

slovak

Notes:

Course evaluation:

Assessed students in total: 2

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

Name of lecturer(s): doc. PhDr. Mgr. Vladimír Littva, PhD., MPH

Last modification: 11.05.2022

Supervisor(s):

Guarantor:

prof. MUDr. Anna Lesňáková, PhD.

COURSE INFORMATION SHEET

University: Catholic University in Ružomberok	
Faculty: Faculty of Health	
Course code: KFYZIO/54F3014W/22	Course title: Student Mobility for Traineeships
Type and range of planned learning activities and teaching methods: Form of instruction: Seminar Recommended study range: hours weekly: hours per semester: 480s Teaching method: on-site	
Credits: 15	Working load: 375 hours
Recommended semester/trimester: 4., 6.	
Level of study: III.	
Prerequisites:	
Requirements for passing the course: Conditions for completing the course: During the semester: scientific-research activity during international traineeship Final evaluation: practical skills at practice seminars, research adopted in the final dissertation thesis A – 100%-93% B – 92%-85% C – 84%-77% D – 76%-69% E – 68%-60% FX – 59%- 0%	
Learning outcomes of the course: Learning outcomes Course objective: To acquire fundamental abilities, skills, and habits of physiotherapeutic methods in clinical conditions, materials collection, objectives following. To understand the professional, technical aspects of working with references. To handle the sequence of searching for representative references, principles of critical evaluation of literature, and basic relations. Theoretical knowledge: Student has the knowledge and practical skills in clinical research, extends his scientific methodology expertise and produces scientific work and projects. Student adopts practical procedures for the implementation of a research project. Adequately and ethically publishes and presents the acquired theoretical knowledge. Practical skills: Student applies the acquired expertise in research activities in natural clinical conditions. Student practically manages the research activity methodology, can formulate research problems, objectives, prepare hypotheses, prepare a research strategy and its implementation, and publish and present research results. Student can accurately apply basic statistical methods in solving scientific research problems in the field of physiotherapy and interprets the results of his experiment.	
Course contents: Course contents: Fundamental pfysioterapeutic examination. Kinesiological analysis.	

<p>Examination of joint function. Physiotherapeutic methods and procedures in patients with CNS problems. Physiotherapeutic methods and procedures in patients with PNS problems. Physiotherapeutic methods and procedures in degenerative and functional disorders of the musculoskeletal system.</p>					
<p>Recommended or required literature: Recommended literature: 1. BÁRTLOVÁ, S., SADILEK, P., TOTHOVÁ, V. Výzkum a ošetrovatelství. Brno: NCO NZO, 2008. 185 s. 2. HANÁČEK, J, JAVORKA, K. Vedecká příprava. Martin: Osveta, 2010. 220 s. 3. HOVORKA, D. a kol. Ako písať a komunikovať?. Martin: Osveta, 2011. 247 s. 4. KAHN, N. B. Jak efektivně studovat a pracovat s informacemi. Praha: Portál, 2001. 149 s. 5. KATUŠČÁK, D. Ako písať vysokoškolské a kvalifikačné práce. Nitra: Enigma, 2009. 162 s. 6. KEITH F. PUNCH. Základy kvantitatívneho šetření. Praha: Portál, 2008. 152 s. 7. ONDREJKOVIČ, P. Úvod do metodológie spoločenskovedného výskumu. Bratislava: Veda, 2007. 245 s. SILVERMAN, D. Ako robiť kvalitatívny výskum. Bratislava: Ikar, 2005. 327 s. 8. ZVÁROVÁ, J. Biomedicínska statistika I. Praha: Karolinum, 2011</p>					
<p>Language of instruction: Slovak, english, Czek</p>					
<p>Notes:</p>					
<p>Course evaluation: Assessed students in total: 2</p>					
A	B	C	D	E	FX
100.0	0.0	0.0	0.0	0.0	0.0
<p>Name of lecturer(s):</p>					
<p>Last modification: 12.05.2022</p>					
<p>Supervisor(s): Guarantor: prof. MUDr. Anna Lesňáková, PhD.</p>					