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## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2019W/22	<b>Course title:</b> Alternative Therapeutical Procedures
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Lecture / Seminar <b>Recommended study range:</b> <b>hours weekly:</b> 2 / 2 <b>hours per semester:</b> 24 / 24 <b>Teaching method:</b> on-site	
<b>Credits:</b> 4	<b>Working load:</b> 100 hours
<b>Recommended semester/trimester:</b> 2.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b>	
<b>Requirements for passing the course:</b> final evaluation: oral exam (0 - 100) The number of points obtained for the final evaluation is 100. It corresponds to the classification scale of the evaluation. Credits will be awarded to a student who has obtained at least 60 out of 100 points from the course for meeting the specified conditions.	
<b>Learning outcomes of the course:</b> <ul style="list-style-type: none"> <li>• Knowledge: knows the possibilities of alternative therapeutic procedures and manual treatment.</li> <li>• Skills: masters manual therapy and can assess joint blockade, masters the use of alternative procedures in practice.</li> <li>• Competences: can distinguish forms of alternative procedures and manual therapy, can evaluate the use of alternative procedures in treatment as well as the use of manual therapy in joint blockade.</li> </ul>	
<b>Course contents:</b> History and importance of acupuncture and acupressure. Acupuncture and related fields - Su - jok, electropuncture according to Voll, Dry Needle. Ryodorak method. Mechanism of action of acupuncture and acupressure. Points with total effect points agree, points alarm. Acupuncture tracks. Selection of suitable points for acupressure. Aromatherapy, treatment with color, crystals. Manual therapy - joint functional blockade and its consequences. Mechanism and causes of blockages. Mobilization and manipulation, indications and contraindications. Mobilization techniques in the area of C, Th and L spine, SI joint and in the area of peripheral joints.	
<b>Recommended or required literature:</b> <ol style="list-style-type: none"> <li>1. EBNER, W.-C., TVAROŽKOVÁ, Ľ., NOVOTNÝ, J. 1992. Akupresúra pôsobí okamžite. Bratislava: Gemini, spol. s.r.o., 1992, 198s. ISBN 80-217-0248-6.</li> <li>2. LEWIT, K. 2003. Manipulační léčba v myoskeletální medicíně, Praha: Sdělovací technika, 2003, 411s. ISBN 80-86645-04-5.</li> <li>3. RYCHLÍKOVÁ, E. 2008. Manuální medicína: průvodce diagnostikou a léčbou vertebrogenních poruch. Praha: Maxdorf, 2008, 499s. ISBN 978-80-7345-169-1.</li> <li>4. TISSERAND, R. 1992. Umění aromaterapie: Domácí odborná léčba vonnými esencemi rostlin, Praha: Alternativa, 1992, 344 s.</li> <li>5. ŠMIRALA, J. 1991. Praktická akupunktúra, Martin: Osveta, 1991, 664 s. ISBN 80-217-0248-6.</li> </ol>	

<b>Language of instruction:</b> Slovak					
<b>Notes:</b>					
<b>Course evaluation:</b> Assessed students in total: 37					
A	B	C	D	E	FX
56.76	40.54	2.7	0.0	0.0	0.0
<b>Name of lecturer(s):</b> doc. MUDr. Jozef Kobela, PhD.					
<b>Last modification:</b> 20.02.2022					
<b>Supervisor(s):</b> Person responsible for the delivery, development and quality of the study programme: prof. MUDr. Anna Lesňáková, PhD.					

## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2012W/22	<b>Course title:</b> Animotherapy, Musictherapy and Arttherapy 1
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Lecture / Seminar <b>Recommended study range:</b> <b>hours weekly:</b> 2 / 2 <b>hours per semester:</b> 24 / 24 <b>Teaching method:</b> on-site	
<b>Credits:</b> 3	<b>Working load:</b> 75 hours
<b>Recommended semester/trimester:</b> 1.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b>	
<b>Requirements for passing the course:</b> final evaluation: oral and practical exam (0 - 100) The number of points obtained for the final evaluation is 100. It corresponds to the classification scale of the evaluation. Credits will be awarded to a student who has obtained at least 60 out of 100 points from the course for meeting the specified conditions	
<b>Learning outcomes of the course:</b> <ul style="list-style-type: none"> <li>• Knowledge: knows the effects of the animal on human health, the basics and essence of music therapy, knows the effects of human creativity in the field of art therapy</li> <li>• Skills: can work with an animal in physiotherapeutic care in natural conditions, can analyze and design the possibilities of using music therapy in physiotherapy practice and implement music therapy exercises of various kinds according to the needs of the application.</li> <li>• Competences: can work with an animal in physiotherapeutic care in natural conditions, masters the methods of music therapy and art therapy, which allows a disabled individual to achieve inner relaxation and creativity.</li> </ul>	
<b>Course contents:</b> Animotherapy History and therapeutic effects of animotherapy. 2. Division of animotherapy according to the type of animal and focus. 3. Education and training of animals, assistance and therapeutic animals. 4. Target group of clients. 5. Hippotherapy - main goals of hippotherapy, indications and contraindications of hippotherapy. 6. Canis therapy - use and distribution of canis therapy. 7. Felinotherapy - use and effects of feline therapy 8. Other forms of animotherapy. 9. Dolphin therapy. Insectotherapy. Lamatherapy. Orinotherapy. Farming therapy. 10. 10. Other species of animals, wild animals. Music therapy The concept of music therapy 2. Music and its effect. 3. Expressive ability of music 4. Types of music therapy. 5. Subject, goal and scope of music therapy. Therapeutic concept of MZT. 6. Phases of MZT. Methodical procedures of MZT in therapeutic and physiotherapeutic practice. 7. Mental and somatic relaxation with music. Instrumental and vocal expression in therapeutic and physiotherapeutic practice. 8. Reception of music at MZT. The issue of choosing the indication of musical compositions in physiotherapeutic practice. 9. Music painting. Pantomime. Movement	

dramatization in music. 10. Use of MZT. Practical exercises and MZT training. 11. Practical outputs focused on a selected area of physiotherapy. 12. Music therapy in work with clients with special needs.

#### Art therapy

Definition of art therapy, theoretical basis of art therapy. Forms of art therapy and art therapy methods. Creativity, creativity as a basic stimulus of human existence, expressive tendencies. Basic information about art techniques and media, experimentation with art materials, techniques and tools. Diagnostic aspects of artistic expression (drawing and color in art therapy). Art form of art therapeutic method and art therapeutic elements in practice. Peculiarities of the psyche of a handicapped person, basic features of mental retardation - possibilities of therapy. Art therapy with the sensory impaired - possibilities and types. Art therapy as a basic element of therapy of patients with mild brain dysfunction. Hyperactive syndrome - treatment options. Art therapy with a patient with DMO. Communication with the client and art therapy relationship

#### **Recommended or required literature:**

1. GALAJDOVÁ, L.: Pes lékařem lidské duše aneb Canisterapie. Praha: Grada Publishing, 1999.
2. HOLÝ, K., HORNÁČEK, K.: Hipoterapie: léčba pomocí koně. Ostrava: Montanex 2005 3.
- KALINOVÁ, V., MOJŽIŠOVÁ, A. : Jak dosáhnout kvalitní přípravy pse ke canisterapii. Svět psu č.2, 2002. 4
3. TICHÁ, V. : Metodika canisterapie. In Zooterapie ve světle objektivních poznatku. České Budějovice: DONA, 2007.
4. VELEMÍNSKY, M. : Zooterapie ve světle objektivních poznatku. České Budějovice: DONA, 2007.
5. 1. AMTMANNOVÁ, E.: Muzikoterapia v liečebnej pedagogike. Bratislava : PdF UK, 2003. 58 s
6. ZELEIOVÁ, J.: Muzikoterapia – dialóg s chvením. Východiská, koncepty, princípy a praktická aplikácia. Bratislava : ÚHV SAV, 2002. 310 s. ISBN 80-968279-6-0. 3.
7. CAMPBELL, D.: Mozartův efekt. Praha: Eminent, 2001. ISBN 978-80-7281-336-0. 5.
8. HOLZER, L.: Holistická muzikoterapie – Metoda PaedDr. Lubomíra Holzera. Praha, 2009.
- LINKA, A.: Kapitoly z muzikoterapie. Brno: Gloria, 1997. ISBN 80-901834-4-1.
9. ŠAFAŘÍK, J.: Dějiny hudby I. díl – Od počátku hudby do konce 18. století. Praha: Votobia, 2002. ISBN 80-7220-126-3. 10. MAREK: V.: Tajné dějiny hudby. Eminent, 1999
10. JEBAVÁ, J. : Úvod do arteterapie. Praha, 1997.
11. KOVAČOVÁ, B. – CHANASOVÁ, Z. – ZENTKO, J. Liečebná pedagogika V. Bábka ako artefakt v procese výchovy, terapie a spirituality. Ružomberok: Verbum, 2017.
12. KOVAČOVÁ, B. a kol.: Liečebná pedagogika IV. – Skupinová arteterapia adolescentov so zdravotným znevýhodnením. Ružomberok: Verbum, 2017.
13. KOVAČOVÁ, B. – VALACHOVÁ, D.: Výskumná paradigma skupinovej arteterapie. Ružomberok: Verbum, 2017.
14. MÜLLER, O. a kol.: Terapie ve speciální pedagogice. Praha: Grada, 2014.
15. ŠICKOVÁ – FABRICI, J. : Základy arteterapie. Praha: Portál, 2002.

#### **Language of instruction:**

slovak

#### **Notes:**

<b>Course evaluation:</b> Assessed students in total: 38					
A	B	C	D	E	FX
73.68	26.32	0.0	0.0	0.0	0.0
<b>Name of lecturer(s):</b> doc. PhDr. Zuzana Hudáková, PhD.					
<b>Last modification:</b> 20.02.2022					
<b>Supervisor(s):</b> Person responsible for the delivery, development and quality of the study programme: prof. MUDr. Anna Lesňáková, PhD.					

## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2020W/22	<b>Course title:</b> Animotherapy, Musictherapy and Arttherapy 2
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Lecture / Seminar <b>Recommended study range:</b> <b>hours weekly:</b> 1 / 2 <b>hours per semester:</b> 12 / 24 <b>Teaching method:</b> on-site	
<b>Credits:</b> 4	<b>Working load:</b> 100 hours
<b>Recommended semester/trimester:</b> 2.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b> KFYZIO/54F2012W/22	
<b>Requirements for passing the course:</b> Conditions for completing the course: During the semester: 100% active participation in practice seminars Final evaluation: practical skills in seminars A – 100%-93% B – 92%-85% C – 84%-77% D – 76%-69% E – 68%-60% FX – 59%- 0%	
<b>Learning outcomes of the course:</b> Learning outcomes Course objective: Student is able to explain the basics and essence of musicotherapy, name and apply its methods, forms and types, explain the usage possibilities. Theoretical knowledge: The student is able to explain the basics and essence of musicotherapy, the effect on a sick and healthy person Practical skills: The student is able to analyze and design the possibilities of using musicotherapy in physiotherapy practice and implement musicotherapy exercises of various kinds according to the needs of the application	
<b>Course contents:</b> Course contents: Musicotherapy 1. The concept of musicotherapy 2. Music and its effect 3. Expressive ability of music 4. Types of musicotherapy 5. Subject, goal, and scope of musicotherapy. Therapeutic concept of musicotherapy. 6. Phases of musicotherapy. Methodical procedures of musicotherapy in therapeutic and physiotherapeutic practice.	

7. Mental and somatic relaxation by music. Instrumental and vocal expression in therapeutic and physiotherapeutic practice.
8. Perception of music. The indication of musical compositions in physiotherapeutic practice.
9. Music painting. Pantomime. Movement dramatization in music.
10. Musicotherapy application. Practical exercises and musicotherapy training.
11. Practical outputs focused on a selected physiotherapy area.
12. Musicotherapy with special needs clients.

**Recommended or required literature:**

1. AMTMANNOVÁ, E.: Muzikoterapia v liečebnej pedagogike. Bratislava : PdF UK, 2003. 58 s
2. ZELEIOVÁ, J.: Muzikoterapia – dialóg s chvením. Východiská, koncepty, princípy a praktická aplikácia. Bratislava : ÚHV SAV, 2002. 310 s.  
ISBN 80-968279-6-0.
3. ANDRLOVÁ, M.: Součastné směry v české psychoterapii. Praha 10: Triton, 2005. ISBN 80-7254-603-1.
4. CAMPBELL, D.:Mozartův efekt. Praha: Eminent, 2001. ISBN 978-80-7281-336-0.
5. DANIEL, L. Metodika hudební výchovy. Ostrava: Montanex, 1992. ISBN 80-8530098-2.
6. FELBER, R., REINHOLD, S., STÜCKERT, A.: Muzikoterapie – Terapie zpěvem. Hranice na Moravě: Fabula, 2005. ISBN 80-86600-24-6.
7. HOLZER, L.: Holistická muzikoterapie – Metoda PaedDr. Lubomíra Holzera. Praha, 2009.
- LINKA, A.: Kapitoly z muzikoterapie. Brno: Gloria, 1997. ISBN 80-901834-4-1.
8. ROMANOWSKA, B., A.: Muzikoterapie – Ladičky a léčení zvukem. Frýdek – Místek: Alpress, 2005. ISBN 80-7362-067-7.
9. ŠAFARÍK, J.: Dějiny hudby I. díl – Od počátku hudby do konce 18. století. Praha: Votobia, 2002. ISBN 80-7220-126-3.
10. MAREK: V.: Tajné dějiny hudby. Eminent, 1999

**Language of instruction:**

slovak

**Notes:**

**Course evaluation:**

Assessed students in total: 37

A	B	C	D	E	FX
72.97	10.81	0.0	8.11	8.11	0.0

**Name of lecturer(s):** doc. PhDr. Zuzana Hudáková, PhD.

**Last modification:** 05.03.2022

**Supervisor(s):**

Person responsible for the delivery, development and quality of the study programme:  
prof. MUDr. Anna Lesňáková, PhD.



## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2037W/22	<b>Course title:</b> Animotherapy, Musictherapy and Arttherapy 3
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Lecture / Seminar <b>Recommended study range:</b> <b>hours weekly:</b> 1 / 2 <b>hours per semester:</b> 12 / 24 <b>Teaching method:</b> on-site	
<b>Credits:</b> 3	<b>Working load:</b> 75 hours
<b>Recommended semester/trimester:</b> 3.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b> KFYZIO/54F2020W/22	
<b>Requirements for passing the course:</b> Conditions for completing the course: During the semester: 100% active participation in practice seminars Final evaluation: practical skills in seminars A – 100%-93% B – 92%-85% C – 84%-77% D – 76%-69% E – 68%-60% FX – 59%- 0%	
<b>Learning outcomes of the course:</b> Learning outcomes Course objective: The course aims to adopt the human creativity aspect in the field of arttherapy, which is the essence of being. Theoretical knowledge: Based on theoretical knowledge, student offers an individual the possibility of integration into society through paintings and art. Practical skills: Student acquires arttherapy methods skills, which allow a disabled individual to achieve inner relaxation and creativity.	
<b>Course contents:</b> Course contents: Arttherapy 1. Definition of arttherapy, the theoretical basis of arttherapy 2. Forms of arttherapy and arttherapeutic methods 3. Creativity as a primary stimulus of human existence, expressive tendencies 4. Basic information about art techniques and forms, experimentation with art materials, techniques, and tools 5. Diagnostic aspects of artistic expression (drawing and color in arttherapy) 6. Art form of arttherapeutic method and arttherapeutic elements in practice 7. Mental specifications of a disabled person, basic characteristics of mental retardation - treatment options.	

8. Artetherapy with the sensory impaired - possibilities and types.
9. Artetherapy as a basic element of patients with mild brain dysfunction therapy.
10. ADHD syndrome - treatment options.
11. Artetherapy with a brain palsy (DMO).
12. Communication with the client and artetherapy relationship

**Recommended or required literature:**

JEBAVÁ, J. : Úvod do arteterapie. Praha, 1997.  
 KOVAČOVÁ, B. – CHANASOVÁ, Z. – ZENTKO, J. Liečebná pedagogika V. Bábka ako artefakt v procese výchovy, terapie a spirituality. Ružomberok: Verbum, 2017.  
 KOVAČOVÁ, B. a kol.: Liečebná pedagogika IV. – Skupinová arteterapia adolescentov so zdravotným znevýhodnením. Ružomberok: Verbum, 2017.  
 KOVAČOVÁ, B. – VALACHOVÁ, D.: Výskumná paradigma skupinovej arteterapie. Ružomberok: Verbum, 2017.  
 MÜLLER, O. a kol.: Terapie ve speciální pedagogice. Praha: Grada, 2014.  
 ŠICKOVÁ – FABRICI, J. : Základy arteterapie. Praha: Portál, 2002.

**Language of instruction:**

slovak

**Notes:**

**Course evaluation:**

Assessed students in total: 39

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

**Name of lecturer(s):** PaedDr. Jozef Zentko, PhD., doc. PhDr. Zuzana Hudáková, PhD.

**Last modification:** 05.03.2022

**Supervisor(s):**

Person responsible for the delivery, development and quality of the study programme:  
 prof. MUDr. Anna Lesňáková, PhD.

## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2011W/22	<b>Course title:</b> Basics of Health Policy
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Lecture / Seminar <b>Recommended study range:</b> <b>hours weekly:</b> 3 / 1 <b>hours per semester:</b> 36 / 12 <b>Teaching method:</b> on-site	
<b>Credits:</b> 3	<b>Working load:</b> 75 hours
<b>Recommended semester/trimester:</b> 3.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b>	
<b>Requirements for passing the course:</b> final evaluation: oral exam (0 - 100) The number of points obtained for the final evaluation is 100. It corresponds to the classification scale of the evaluation. Credits will be awarded to a student who has obtained at least 60 out of 100 points from the course for meeting the specified conditions. At the final oral exam, the student can get a maximum of 60 points - answers 3 questions from three topics - general health legislation, competencies of health professionals and state health policy	
<b>Learning outcomes of the course:</b> <ul style="list-style-type: none"> <li>• Knowledge: has knowledge of economic issues and leadership of the medical team at the outpatient department, department and the entire facility in terms of health care economics, knows the issues and use of marketing and informatics in health care economics, has knowledge of basic rights and competencies of health professionals with a focus on physiotherapists .</li> <li>• Skills: has skills in accessing case studies from clinical practice.</li> <li>• Competences: can use knowledge of general economic laws in the practical activities of the health care provider, ensure economic efficiency while maintaining the quality of health care.</li> </ul>	
<b>Course contents:</b> Health policy Basic legal concepts. Fundamental human rights and freedoms. Health legislation Ministry of Health and UDZS. WHO Office in Slovakia ECDC Legal aspects of health care. Legal status of a healthcare professional. Health standards, patients' rights and medical records. Protection and promotion of public health. Case clinical studies. Management and economics in healthcare 1. Characteristics of the health care system, health care forecasts. 2. Basics of management in nursing (professional competence of nurses, Slovak Chamber of Nurses and Midwives, further education of nurses). 3. Interactive leadership processes (communication and group process) - communication, obstacles in communication, communication with the health team, group dynamics, influence of the leader on the group. 4. Decision-making and conflict management - decision-making, conflict resolution. 5. Ethical responsibility of the nurse. 6. Personality of medical and nursing manager, professional image, self-equipment, cooperation. 7. Delegation - manager's tool - purpose of delegation, delegation process, instructions and obstacles to delegation.	

8. Performance monitoring and improvement - performance criteria, basic components, obstacles in performance improvement.

**Recommended or required literature:**

1. KILÍKOVÁ, M.- JAKUŠOVÁ, V. : 2008. Teória a prax manažmentu v ošetrovatel'stve. Martin: Osveta. 2008. 150s. ISBN 978-80-8063-290-8
2. MURRAY – GROHAR M.E.- DiCROCE H.R.: 2003. Zásady vedení a řízení v oblasti ošetrovatelské péče. 2003. Praha: Grada. 320 s. ISBN 80-247-0267-3
3. SMITH ILESE J.: 2007. Prevence pádů ve zdravotnickém zařízení cesta k dokonalosti a zvyšování kvality. 2007. Praha: Grada. 172 s. ISBN 978-80-247-1715-9
4. ŠKRLA, P. : 2005. Především neublížit – cesta k prevenci pochybení v léčebné a ošetrovatelské péči. 2005. Brno: NCONZO. 162 s. ISBN 80-7013-419-4
5. DOMENIK, J: Vývoj a spôsoby financovania zdravotníctva na Slovensku 1993-2001, SPAM
6. MIKLOŠ, I.: Analýza verejných rozpočtov krajín EÚ Moderný medicínsky manažment, 1996-2002
7. Vestník MZ SR č. 18,19/1990 o reforme štruktúry riadenia a financovania zdravotníctva
8. Zákony NR SR č. 273,277/94 Z.Z . 98/95 Z.Z. a ich novelizácia
9. TÓTH, K. a kol. Právo a zdravotníctvo, Herba, Bratislava, 2008. 388 s.
10. TÓTH, K. a kol. Právo a zdravotníctvo II, Herba, Bratislava, 2013. 432 s.
11. VLČEK, R., HRUBEŠOVÁ, Z. Zdravotnícke právo. Epos. Bratislava.2007
12. VONDRÁČEK I. Právni předpisy nejen pro hlavní, vrchní, staniční sestry. Grada. Praha 2005.100 s.

**Language of instruction:**

Slovak

**Notes:**

**Course evaluation:**

Assessed students in total: 39

A	B	C	D	E	FX
48.72	35.9	15.38	0.0	0.0	0.0

**Name of lecturer(s):** doc. MUDr. Jozef Domenik, PhD., MPH, doc. MUDr. Ivan Solovič, CSc.

**Last modification:** 05.03.2022

**Supervisor(s):**

Person responsible for the delivery, development and quality of the study programme:

prof. MUDr. Anna Lesňáková, PhD.

## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2008W/22	<b>Course title:</b> Clinical Practice 1
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Seminar <b>Recommended study range:</b> <b>hours weekly: hours per semester:</b> 192s <b>Teaching method:</b> on-site	
<b>Credits:</b> 4	<b>Working load:</b> 100 hours
<b>Recommended semester/trimester:</b> 1.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b>	
<b>Requirements for passing the course:</b> final evaluation: practical exam (0 - 100) The number of points obtained for the final evaluation is 100. It corresponds to the classification scale of the evaluation. Credits will be awarded to a student who has obtained at least 60 out of 100 points from the course for meeting the specified conditions.	
<b>Learning outcomes of the course:</b> <ul style="list-style-type: none"> <li>• Knowledge: knows the basics of exercise programs in physiotherapy practice</li> <li>• Skills: can apply physiotherapeutic procedures in natural conditions Competences: applies acquired skills about exercise programs in physiotherapeutic practice.</li> </ul>	
<b>Course contents:</b> Course contents: <ol style="list-style-type: none"> <li>1. Training of fundamental abilities, skills, and habits of a physiotherapist.</li> <li>2. Application of physiotherapeutic procedures in the patient under professional supervision.</li> <li>3. Examination of shortened and weakened muscle groups.</li> <li>4. Goniometric measurements.</li> <li>5. Physical therapy.</li> <li>6. Exercise according to a muscle test.</li> <li>7. Accompanying and instructing the patient.</li> </ol>	
<b>Recommended or required literature:</b> <ol style="list-style-type: none"> <li>1. GÚTH, A. a kol.: Vyšetrovacie metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH, Bratislava.</li> <li>2. GÚTH, A. a kol.: Liečebné metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH, Bratislava.</li> <li>3. JANDA, V: Svalové funkční testy, Grada Publishing, Praha 2004</li> <li>4. KOLÁŘ, P. Rehabilitace v klinické praxi, Galen, Praha 2010.</li> </ol>	
<b>Language of instruction:</b> Slovak	
<b>Notes:</b>	

<b>Course evaluation:</b> Assessed students in total: 37					
A	B	C	D	E	FX
67.57	29.73	2.7	0.0	0.0	0.0
<b>Name of lecturer(s):</b> doc. PhDr. Zuzana Hudáková, PhD., Mgr. Ivana Aštaryová, PhD.					
<b>Last modification:</b> 20.02.2022					
<b>Supervisor(s):</b> Person responsible for the delivery, development and quality of the study programme: prof. MUDr. Anna Lesňáková, PhD.					

## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2024W/22	<b>Course title:</b> Clinical Practice 2
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Seminar <b>Recommended study range:</b> <b>hours weekly:</b> <b>hours per semester:</b> 192s <b>Teaching method:</b> on-site	
<b>Credits:</b> 4	<b>Working load:</b> 100 hours
<b>Recommended semester/trimester:</b> 2.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b> KFYZIO/54F2008W/22	
<b>Requirements for passing the course:</b> inal evaluation: practical exam (0 - 100) The number of points obtained for the final evaluation is 100. It corresponds to the classification scale of the evaluation. Credits will be awarded to a student who has obtained at least 60 out of 100 points from the course for meeting the specified conditions.	
<b>Learning outcomes of the course:</b> <ul style="list-style-type: none"> <li>• Knowledge: knows the basics of exercise programs in physiotherapy practice, has knowledge of basic methods of diagnosis and procedures of movement therapy.</li> <li>• Skills: can apply physiotherapeutic procedures in natural conditions, has skills in basic methods of diagnosis and movement therapy procedures.</li> <li>• Competences: applies the acquired skills about exercise programs in physiotherapy practice and the plan of medical rehabilitation and uses professional communication with the client, shows assertive and empathetic behavior</li> </ul>	
<b>Course contents:</b> Course contents: <ol style="list-style-type: none"> <li>1. Implementation of kinesiological analysis.</li> <li>2. Implementation of physiotherapeutic diagnostics.</li> <li>3. Implementation of individual rehabilitation programs with a focus on selected diseases.</li> <li>4. Application of physiotherapeutic procedures and methods in rheumatology, traumatology, and neurology.</li> <li>5. Implementation of individual exercise programs with a focus on selected diseases.</li> <li>6. Consolidation of acquired knowledge and practical skills in clinical conditions.</li> </ol>	
<b>Recommended or required literature:</b> <ol style="list-style-type: none"> <li>1. GÚTH, A. a kol.: Vyšetrovacie metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH, Bratislava.</li> <li>2. GÚTH, A. a kol.: Liečebné metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH, Bratislava.</li> <li>3. JANDA, V: Svalové funkční testy, Grada Publishing, Praha 2004</li> <li>4. KOLÁŘ, P. Rehabilitace v klinické praxi, Galen, Praha 2010.</li> </ol>	

<b>Language of instruction:</b> Slovak					
<b>Notes:</b>					
<b>Course evaluation:</b> Assessed students in total: 33					
A	B	C	D	E	FX
45.45	54.55	0.0	0.0	0.0	0.0
<b>Name of lecturer(s):</b> doc. PhDr. Zuzana Hudáková, PhD., Mgr. Ivana Aštaryová, PhD.					
<b>Last modification:</b> 20.02.2022					
<b>Supervisor(s):</b> Person responsible for the delivery, development and quality of the study programme: prof. MUDr. Anna Lesňáková, PhD.					



## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2039W/22	<b>Course title:</b> Clinical Practice 3
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Seminar <b>Recommended study range:</b> <b>hours weekly: hours per semester:</b> 192s <b>Teaching method:</b> on-site	
<b>Credits:</b> 3	<b>Working load:</b> 75 hours
<b>Recommended semester/trimester:</b> 3.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b> KFYZIO/54F2024W/22	
<b>Requirements for passing the course:</b> final evaluation: practical exam (0 - 100) The number of points obtained for the final evaluation is 100. It corresponds to the classification scale of the evaluation. Credits will be awarded to a student who has obtained at least 60 out of 100 points from the course for meeting the specified conditions.	
<b>Learning outcomes of the course:</b> <ul style="list-style-type: none"> <li>• Knowledge: knows the basics of exercise programs in physiotherapy practice, has knowledge of basic methods of diagnosis and procedures of movement therapy</li> <li>• Skills: can apply physiotherapeutic procedures in natural conditions, apply a medical rehabilitation plan and use professional communication with the client, shows assertive and empathetic behavior.</li> <li>• Competences: applies the acquired skills about exercise programs in physiotherapy practice, gains erudition in compiling a plan for medical rehabilitation and the use of professional communication.</li> </ul>	
<b>Course contents:</b> Course contents: <ol style="list-style-type: none"> <li>1. Fundamental neurological examination.</li> <li>2. Kinesiological analysis.</li> <li>3. Examination of joint function.</li> <li>4. Methodology of Vojta reflexive exercise.</li> <li>5. Principles of Bobath's approach.</li> <li>6. Physiotherapeutic methods and procedures in patients with CNS problems.</li> <li>7. Physiotherapeutic methods and procedures in patients with PNS problems.</li> <li>8. Physiotherapeutic methods and procedures in degenerative and functional disorders of the musculoskeletal system.</li> </ol>	
<b>Recommended or required literature:</b> <ol style="list-style-type: none"> <li>1. GÚTH, A. a kol.: Vyšetrovacie metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH, Bratislava.</li> <li>2. GÚTH, A. a kol.: Liečebné metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH, Bratislava.</li> <li>3. JANDA, V: Svalové funkční testy, Grada Publishing, Praha 2004</li> <li>4. KOLÁŘ, P. Rehabilitace v klinické praxi, Galen, Praha 2010.</li> </ol>	

<b>Language of instruction:</b> Slovak					
<b>Notes:</b>					
<b>Course evaluation:</b> Assessed students in total: 39					
A	B	C	D	E	FX
79.49	20.51	0.0	0.0	0.0	0.0
<b>Name of lecturer(s):</b> doc. PhDr. Zuzana Hudáková, PhD.					
<b>Last modification:</b> 20.02.2022					
<b>Supervisor(s):</b> Person responsible for the delivery, development and quality of the study programme: prof. MUDr. Anna Lesňáková, PhD.					

## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2041W/22	<b>Course title:</b> Clinical Practice 4
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Seminar <b>Recommended study range:</b> <b>hours weekly:</b> <b>hours per semester:</b> 160s <b>Teaching method:</b> on-site	
<b>Credits:</b> 10	<b>Working load:</b> 250 hours
<b>Recommended semester/trimester:</b> 4.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b> KFYZIO/54F2039W/22	
<b>Requirements for passing the course:</b> final evaluation: practical exam (0 - 100) The number of points obtained for the final evaluation is 100. It corresponds to the classification scale of the evaluation. Credits will be awarded to a student who has obtained at least 60 out of 100 points from the course for meeting the specified conditions.	
<b>Learning outcomes of the course:</b> Knowledge: knows the basics of exercise programs in physiotherapy practice, has knowledge of basic methods of diagnosis and procedures of movement therapy • Skills: can apply physiotherapeutic procedures in natural conditions, apply a medical rehabilitation plan and use professional communication with the client, shows assertive and empathetic behavior. • Competences: applies the acquired skills about exercise programs in physiotherapy practice, gains erudition in compiling a plan for medical rehabilitation and the use of professional communication.	
<b>Course contents:</b> Course contents: 1. Independent kinesiological analysis. 2. Independent physiotherapeutic examination. 3. Independent diagnostics in physiotherapy. 4. Independent practice in outpatient facilities and at selected clinical workplaces under professional supervision.	
<b>Recommended or required literature:</b> 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.	
<b>Language of instruction:</b> Slovak	
<b>Notes:</b>	

<b>Course evaluation:</b> Assessed students in total: 40					
A	B	C	D	E	FX
37.5	55.0	5.0	0.0	0.0	2.5
<b>Name of lecturer(s):</b> doc. PhDr. Zuzana Hudáková, PhD., Mgr. Ivana Aštaryová, PhD.					
<b>Last modification:</b> 20.02.2022					
<b>Supervisor(s):</b> Person responsible for the delivery, development and quality of the study programme: prof. MUDr. Anna Lesňáková, PhD.					

## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2009W/22	<b>Course title:</b> Continuous Professional Practice 1
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Seminar <b>Recommended study range:</b> <b>hours weekly: hours per semester:</b> 80s <b>Teaching method:</b> on-site	
<b>Credits:</b> 4	<b>Working load:</b> 100 hours
<b>Recommended semester/trimester:</b> 1.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b>	
<b>Requirements for passing the course:</b> final evaluation: practical exam (0 - 100) The number of points obtained for the final evaluation is 100. It corresponds to the classification scale of the evaluation. Credits will be awarded to a student who has obtained at least 60 out of 100 points from the course for meeting the specified conditions.	
<b>Learning outcomes of the course:</b> <ul style="list-style-type: none"> <li>• Knowledge: knows the basics of exercise programs in physiotherapy practice, has knowledge of basic methods of diagnosis and procedures of movement therapy.</li> <li>• Skills: can apply physiotherapeutic procedures in natural conditions, has skills in basic methods of diagnosis and movement therapy procedures.</li> <li>• Competences: applies the acquired skills about exercise programs in physiotherapy practice and the plan of medical rehabilitation and uses professional communication with the client, shows assertive and empathetic behavior</li> </ul>	
<b>Course contents:</b> Course contents: <ol style="list-style-type: none"> <li>1. Training of fundamental abilities, skills, and habits of a physiotherapist.</li> <li>2. Application of physiotherapeutic procedures in the patient under professional supervision.</li> <li>3. Examination of shortened and weakened muscle groups.</li> <li>4. Goniometric measurements.</li> <li>5. Physical therapy.</li> <li>6. Exercise according to a muscle test.</li> <li>7. Accompanying and instructing the patient.</li> </ol>	
<b>Recommended or required literature:</b> <ol style="list-style-type: none"> <li>1. GÚTH, A. a kol.: Vyšetrovacie metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH, Bratislava.</li> <li>2. GÚTH, A. a kol.: Liečebné metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH, Bratislava.</li> <li>3. JANDA, V: Svalové funkční testy, Grada Publishing, Praha 2004</li> <li>4. KOLÁŘ, P. Rehabilitace v klinické praxi, Galen, Praha 2010.</li> </ol>	

<b>Language of instruction:</b> Slovak					
<b>Notes:</b>					
<b>Course evaluation:</b> Assessed students in total: 37					
A	B	C	D	E	FX
83.78	16.22	0.0	0.0	0.0	0.0
<b>Name of lecturer(s):</b> doc. PhDr. Zuzana Hudáková, PhD.					
<b>Last modification:</b> 20.02.2022					
<b>Supervisor(s):</b> Person responsible for the delivery, development and quality of the study programme: prof. MUDr. Anna Lesňáková, PhD.					

## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2025W/22	<b>Course title:</b> Continuous Professional Practice 2
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Seminar <b>Recommended study range:</b> <b>hours weekly:</b> <b>hours per semester:</b> 80s <b>Teaching method:</b> on-site	
<b>Credits:</b> 4	<b>Working load:</b> 100 hours
<b>Recommended semester/trimester:</b> 2.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b> KFYZIO/54F2009W/22	
<b>Requirements for passing the course:</b> final evaluation: practical exam (0 - 100) The number of points obtained for the final evaluation is 100. It corresponds to the classification scale of the evaluation. Credits will be awarded to a student who has obtained at least 60 out of 100 points from the course for meeting the specified conditions.	
<b>Learning outcomes of the course:</b> <ul style="list-style-type: none"> <li>• Knowledge: knows the basics of exercise programs in physiotherapy practice, has knowledge of basic methods of diagnosis and procedures of movement therapy.</li> <li>• Skills: can apply physiotherapeutic procedures in natural conditions, has skills in basic methods of diagnosis and movement therapy procedures.</li> <li>• Competences: applies the acquired skills about exercise programs in physiotherapy practice and the plan of medical rehabilitation and uses professional communication with the client, shows assertive and empathetic behavior</li> </ul>	
<b>Course contents:</b> Course contents: <ol style="list-style-type: none"> <li>1. Implementation of kinesiology analysis.</li> <li>2. Implementation of physiotherapeutic diagnostics.</li> <li>3. Implementation of individual rehabilitation programs with a focus on selected diseases.</li> <li>4. Application of physiotherapeutic procedures and methods in rheumatology, traumatology and neurology.</li> <li>5. Implementation of individual kinesiology programs with a focus on selected diseases.</li> <li>6. Consolidation of acquired knowledge and practical skills in clinical conditions.</li> </ol>	
<b>Recommended or required literature:</b> <ol style="list-style-type: none"> <li>1. GÚTH, A. a kol.: Vyšetrovacie metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH, Bratislava.</li> <li>2. GÚTH, A. a kol.: Liečebné metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH, Bratislava.</li> <li>3. JANDA, V: Svalové funkční testy, Grada Publishing, Praha 2004</li> <li>4. KOLÁŘ, P. Rehabilitace v klinické praxi, Galen, Praha 2010.</li> </ol>	

<b>Language of instruction:</b> slovak					
<b>Notes:</b>					
<b>Course evaluation:</b> Assessed students in total: 34					
A	B	C	D	E	FX
47.06	52.94	0.0	0.0	0.0	0.0
<b>Name of lecturer(s):</b> doc. PhDr. Zuzana Hudáková, PhD.					
<b>Last modification:</b> 20.02.2022					
<b>Supervisor(s):</b> Person responsible for the delivery, development and quality of the study programme: prof. MUDr. Anna Lesňáková, PhD.					



## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2040W/22	<b>Course title:</b> Continuous Professional Practice 3
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Seminar <b>Recommended study range:</b> <b>hours weekly:</b> <b>hours per semester:</b> 80s <b>Teaching method:</b> on-site	
<b>Credits:</b> 3	<b>Working load:</b> 75 hours
<b>Recommended semester/trimester:</b> 3.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b> KFYZIO/54F2025W/22	
<b>Requirements for passing the course:</b> final evaluation: practical exam (0 - 100) The number of points obtained for the final evaluation is 100. It corresponds to the classification scale of the evaluation. Credits will be awarded to a student who has obtained at least 60 out of 100 points from the course for meeting the specified conditions.	
<b>Learning outcomes of the course:</b> <ul style="list-style-type: none"> <li>• Knowledge: knows the basics of exercise programs in physiotherapy practice, has knowledge of basic methods of diagnosis and procedures of movement therapy.</li> <li>• Skills: can apply physiotherapeutic procedures in natural conditions, has skills in basic methods of diagnosis and movement therapy procedures.</li> <li>• Competences: applies the acquired skills about exercise programs in physiotherapy practice and the plan of medical rehabilitation and uses professional communication with the client, shows assertive and empathetic behavior</li> </ul>	
<b>Course contents:</b> Course contents: <ol style="list-style-type: none"> <li>1. Fundamental neurological examination.</li> <li>2. Kinesiological analysis.</li> <li>3. Examination of joint function.</li> <li>4. Methodology of Vojta reflexive exercise.</li> <li>5. Principles of Bobath's approach.</li> <li>6. Physiotherapeutic methods and procedures in patients with CNS problems.</li> <li>7. Physiotherapeutic methods and procedures in patients with PNS problems.</li> <li>8. Physiotherapeutic methods and procedures in degenerative and functional disorders of the musculoskeletal system.</li> </ol>	

**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: 39

A	B	C	D	E	FX
71.79	28.21	0.0	0.0	0.0	0.0

**Name of lecturer(s):** doc. PhDr. Zuzana Hudáková, PhD., Mgr. Ivana Aštaryová, PhD.**Last modification:** 20.02.2022**Supervisor(s):****Person responsible for the delivery, development and quality of the study programme:**  
prof. MUDr. Anna Lesňáková, PhD.

## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2027W/22	<b>Course title:</b> Differential Diagnostics of Functional Disorders
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Lecture / Seminar <b>Recommended study range:</b> <b>hours weekly:</b> 2 / 2 <b>hours per semester:</b> 24 / 24 <b>Teaching method:</b> on-site	
<b>Credits:</b> 4	<b>Working load:</b> 100 hours
<b>Recommended semester/trimester:</b> 2.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b> KFYZIO/54F2005W/22	
<b>Requirements for passing the course:</b> final evaluation: oral exam (0 - 100) The number of points obtained for the final evaluation is 100. It corresponds to the classification scale of the evaluation. Credits will be awarded to a student who has obtained at least 60 out of 100 points from the course for meeting the specified conditions.	
<b>Learning outcomes of the course:</b> <ul style="list-style-type: none"> <li>• Knowledge: knows the dynamics of momentum development related to the gradual maturation of the CNS, distinguishes individual motor skills.</li> <li>• Skills: can perform kinesiological analysis and assess the degree of impairment of voluntary movement and is familiar with the development of motor skills.</li> <li>• Competences: can evaluate motor skills from developmental kinesiology and determine pathological patterns of movement.</li> </ul>	
<b>Course contents:</b> Prenatal effect on motor skills. Childbirth and its influence on the movement behavior of the baby. Movement skills in the field of developmental kinesiology - postural activity, reactivity, primitive reflexology. Movement differentiation in individual trimenones. Psychomotor development in children 2-6 years. Facilitation-inhibition techniques. Handling with the child and its effect on the locomotor system. Central coordination disorder. Cerebral palsy. Control of movement by the central and peripheral nervous system. Pathological patterns of movements. Development and diagnostics of power and speed abilities. Development of coordination skills. Fine motor skills. The most used tests for motor skills. Movement abilities in case of loss of individual movement functions. Physical abilities in individual sports.	

**Recommended or required literature:**

1. GROSS, J.- M., FETTO, J., ROSEN, E. 2005. Vyšetření pohybového aparátu. Praha: Triton, 2005, 599 s. ISBN 80-7254-720-8.
2. KIEDROŇOVÁ, E., GLÜCK D., PŘIKRYLOVÁ, R., KOMÁRKOVÁ, J. 2005. Něžná náruč rodičů: moderní poznatky o významu správné manipulace s novorozencem a malým dítětem, Praha: Grada, 2005, 299 s. ISBN 80-247-1210-5.
3. KOLÁŘ, P. 2009. Rehabilitace v klinické praxi, Praha: Galen, 2009, 713s. ISBN 978-80-7262-657-1.
4. TICHÝ, M. 2017. Funkční diagnostika pohybového aparátu. Praha: Triton, 2017, 94 s. ISBN 978-80-7553-307-4.
5. VOJTA, V. 1993. Cerebrálne poruchy pohybového ústrojenstva v dojčenskom veku: včasná diagnóza v časná liečba, Bratislava: Svornosť, 1993, 266 s. ISBN 80-966-983-0-3.

**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 summer semester of the academic year.

**Course evaluation:**

Assessed students in total: 37

A	B	C	D	E	FX
2.7	40.54	21.62	13.51	21.62	0.0

**Name of lecturer(s):** Mgr. Ivana Aštaryová, PhD., doc. MUDr. Jozef Kobela, PhD.

**Last modification:** 20.02.2022

**Supervisor(s):**

Person responsible for the delivery, development and quality of the study programme:  
prof. MUDr. Anna Lesňáková, PhD.

## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F23S/22	<b>Course title:</b> Diploma Thesis Defense
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> <b>Recommended study range:</b> <b>hours weekly: hours per semester:</b> <b>Teaching method:</b> on-site	
<b>Credits:</b> 10	<b>Working load:</b> 250 hours
<b>Recommended semester/trimester:</b> 3., 4..	
<b>Level of study:</b> II.	
<b>Prerequisites:</b>	
<b>Requirements for passing the course:</b> Conditions for completing the course: During semester: Student will prepare a diploma thesis in cooperation with the thesis supervisor according to the Directive of the Rector of KU in Ružomberok no. 4/2011 on the requisites of final, rigorous and habilitation theses, their bibliographic registration, originality control, storage and access concerning copyright and is responsible for the originality of the thesis. Student submits the completed final thesis in electronic form through the academic information system and in a printed version with a specified copies number, fills in its analytical sheet and submits the signed license agreement in two copies to the student affairs department. Final evaluation: It considers the evaluation of the final thesis supervisor and opponent, the originality control protocol, and the final thesis defense in front of the state exam committee.	
<b>Learning outcomes of the course:</b> Learning outcomes Course objective: To adopt the theoretical and practical knowledge of the problem within the physiotherapy sphere. Theoretical knowledge: Capacity to work with the domestic and foreign references, selection of essential information for the diploma thesis topic, data collection ability, interpretation and processing of the references Practical skills: Formally process the assigned topic and present it.	
<b>Course contents:</b> Course contents: Defined within the following course information sheets: Final thesis seminar 1,2,3	

**Recommended or required literature:**

HANÁČEK, J. - JAVORKA, K. Vedecká príprava. Martin : Osveta, 2010. .  
HOVORKA, D. a kol. Ako písať a komunikovať. Martin : Osveta, 2011.  
KATUŠČÁK, D. Ako písať vysokoškolské a kvalifikačné práce. Nitra : Enigma, 2009.  
MALÍKOVÁ, K. a kol. Príprava a písanie záverečnej práce. Ružomberok : FZ KU, 2008.  
MEŠKO, D. - KATUŠČÁK, D. - FINDRA, J. a kol. Akademická príručka. Martin : Osveta, 2005.  
STAROŇOVÁ, K. Vedecké písanie. Martin : Osveta, 2011.  
TUREK, I. Ako písať záverečnú prácu. Bratislava : Metodicko-pedagogické centrum, 2005.  
VYDRA, A. Akademické písanie. Trnava : Filozofická fakulta Trnavskej univerzity, 2010.  
ŽIAKOVÁ, K. a kol. Ošetrovateľstvo teória a vedecký výskum. Martin: Osveta, 2009.

**Language of instruction:**

Slovak

**Notes:****Course evaluation:**

Assessed students in total: 39

A	B	C	D	E	FX
41.03	12.82	25.64	20.51	0.0	0.0

**Name of lecturer(s):**

**Last modification:** 20.02.2022

**Supervisor(s):**

Person responsible for the delivery, development and quality of the study programme:  
prof. MUDr. Anna Lesňáková, PhD.

## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2001W/22	<b>Course title:</b> Human Biomechanics
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Lecture <b>Recommended study range:</b> <b>hours weekly:</b> 3 <b>hours per semester:</b> 36 <b>Teaching method:</b> on-site	
<b>Credits:</b> 4	<b>Working load:</b> 100 hours
<b>Recommended semester/trimester:</b> 1.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b>	
<b>Requirements for passing the course:</b> inal evaluation: oral exam (0 - 100) The number of points obtained for the final evaluation is 100. It corresponds to the classification scale of the evaluation. Credits will be awarded to a student who has obtained at least 60 out of 100 points from the course for meeting the specified conditions. Self -study 40 hours	
<b>Learning outcomes of the course:</b> self-study: 20 hours <ul style="list-style-type: none"> <li>• Knowledge: knows the essence of the biomechanics of the locomotor system, has knowledge of repositioning systems and locomotor chains.</li> <li>• Skills: masters the biomechanics of individual parts of the human body, recognizes reduction systems, applies open and closed chain methods.</li> <li>• Competences: can analyze the musculoskeletal system from a biomechanical point of view, can determine reduction systems with impaired locomotor function, controls the methodologies of open and closed locomotor chain.</li> </ul>	
<b>Course contents:</b> Introduction to biomechanics, characteristics, human locomotor system. Biomechanical properties of soft tissues. Biomechanical properties of hard tissues. Joint biomechanics. Biomechanics of the spine. Chest biomechanics. Biomechanics of respiration. Biomechanics of the upper limbs. Biomechanics of the lower limbs. Osteosynthetic apparatus. Repositioning systems. Open and closed string.	

**Recommended or required literature:**

1. DYLEVSKÝ, I. 2009. Kineziologie: základy strukturální kineziologie, Praha: Triton, 2009, 235 s. ISBN 978-80-7387-324-0.
2. FROST, R. 2013. Aplikovaná kineziologie: základní principy a techniky, Olomouc: Fontána, 2013, 255 s. ISBN 978-80-7336-708-4.
3. KALICHOVÁ, M. 2011. Základy biomechaniky tělesných cvičení, Brno: Masarykova univerzita, 2011, 193 s. ISBN 978-80-210-5551-3.
4. KONIAR, M., LEŠKO, M. 1990. Biomechanika, Bratislava: Slovenské pedagogické nakladateľstvo, 1990, 311 s. ISBN 80-08-00331-6.
5. VÉLE, F. 2006. Kineziologie: přehled klinické kineziologie a patokineziologie pro diagnostiku a terapii poruch pohybové soustavy, Praha: Triton, 2006, 375s. ISBN 80-7254-837-9.

**Language of instruction:**

Slovak language

**Notes:**

The subject 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: 37

A	B	C	D	E	FX
16.22	32.43	16.22	16.22	18.92	0.0

**Name of lecturer(s):** Mgr. Ivana Aštaryová, PhD., doc. MUDr. Jozef Kobela, PhD.

**Last modification:** 05.03.2022

**Supervisor(s):**

Person responsible for the delivery, development and quality of the study programme:  
prof. MUDr. Anna Lesňáková, PhD.



## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2002W/22	<b>Course title:</b> Internal Medicine
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Lecture / Seminar <b>Recommended study range:</b> <b>hours weekly:</b> 2 / 0 <b>hours per semester:</b> 24 / 0 <b>Teaching method:</b> on-site	
<b>Credits:</b> 3	<b>Working load:</b> 75 hours
<b>Recommended semester/trimester:</b> 1.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b>	
<b>Requirements for passing the course:</b> final evaluation: oral exam (0 - 100) The number of points obtained for the final evaluation is 100. It corresponds to the classification scale of the evaluation. Credits will be awarded to a student who has obtained at least 60 out of 100 points from the course for meeting the specified conditions	
<b>Learning outcomes of the course:</b> Knowledge: Introduction to the basic physiological functions of individual organ systems of the human body. Understanding the organism as a dynamic whole, the importance of homeostasis of the internal environment for the activity of organs and its stability. Changes in the body during movement and physical exercise. <ul style="list-style-type: none"> <li>• Skills: The student masters professional terminology, defines the basic physiological principles of homeostasis of the internal environment of the organism. It describes the physiological activity of organ systems, illustrates the nature of individual physiological processes. It defines the basic differences between non-specific and specific immunity, between enzyme and hormone, between the autonomic and somatic nervous systems and the like. Can interpret physiological changes at work and exercise.</li> <li>• Competences: The student demonstrates the application of theoretical knowledge to clinical practice. He orients himself in incorporating his theoretical knowledge into individual clinical disciplines, such as measuring blood pressure, evaluating heart activity according to heart sounds, knowing the basic parts of the ECG curve and functional examination of respiratory volume. He knows the basic principles of examination of urine and kidney function, examination of blood elements, blood transfusions, the importance of examination of enzymes, hormones, differences between active and passive immunization, principles of proper nutrition, the effect of stress on the body, etc.</li> </ul>	
<b>Course contents:</b> Internal Medicine-Rheumatology: Course Characteristics. The main symptoms of internal diseases and diseases of the musculoskeletal system. Examination methods used in rheumatology. General principles of treatment in rheumatology. Rheumatoid arthritis; Rheumatic fever; Systemic Lupus Erythematoses; Spondyloarthritis; Metabolic diseases with joint involvement; Osteoporosis; Osteoarthritis; Spondylosis and spondylarthrosis; Rheumatic	

syndromes; Neurovascular syndromes; Periarthritis; Muscle pain syndrome; Entezopathy; Psychogenic rheumatic syndrome.

**Recommended or required literature:**

1. LACKO, A. a kol. 2019. Základy klinickej propedeutiky, rádiológie a nukleárnej medicíny. Martin: Osveta, 2019, 126 s. ISBN 978-80-8063-477-3.
2. LACKO A. a kol. 2018. Vnútorne lekárstvo a ošetrovateľská starostlivosť vo vnútornom lekárstve. Martin: Osveta, 2018, 268 s. ISBN 97880-8063-464-3.

**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: 38

A	B	C	D	E	FX
84.21	5.26	10.53	0.0	0.0	0.0

**Name of lecturer(s):** prof. MUDr. Anton Lacko, CSc.

**Last modification:** 05.03.2022

**Supervisor(s):**

Person responsible for the delivery, development and quality of the study programme:  
prof. MUDr. Anna Lesňáková, PhD.

## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F24S/22	<b>Course title:</b> Kinesiology and Pathokinesiology
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> <b>Recommended study range:</b> <b>hours weekly: hours per semester:</b> <b>Teaching method:</b> on-site	
<b>Credits:</b> 5	<b>Working load:</b> 125 hours
<b>Recommended semester/trimester:</b> 3., 4..	
<b>Level of study:</b> II.	
<b>Prerequisites:</b>	
<b>Requirements for passing the course:</b> Conditions for completing the course: The student has successfully completed all study requirements for the master's program in physiotherapy (successfully completed the study program's compulsory and optional courses, according to the student's decision following structure determined by the study program) and obtained designated 98 credits. The student registers for the state exam via the academic information system and submits a signed application for the state exam. Final evaluation: oral examination with state exam committee presence.	
<b>Learning outcomes of the course:</b> Learning outcomes Course objective: The student will demonstrate his professional expertise in kinesiotherapy procedures according to the evaluation of the patient's condition and the preparation of a medical rehabilitation and kinesiotherapy plan for particular indication areas of medicine. Theoretical knowledge: The student will demonstrate professional knowledge of physiotherapeutic procedures in medicine's clinical areas, which he acquired during the bachelor's study. Practical skills: The student provides physiotherapeutic care applying the method of medical rehabilitation plan and independently performs physiotherapeutic services based on a doctor's prescription in accordance with legal regulations, within the scope of studies, and professional practice acquired and within standards and medical diagnosis (if a person needs medical care).	
<b>Course contents:</b> Course contents: Defined within the following courses' information sheets: Physiotherapy Diagnostics 1-5, Kinesiotherapy Methods 1-5, Kinesiology and Pathokinesiology 1-2.	
<b>Recommended or required literature:</b> 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	

<b>Language of instruction:</b> Slovak					
<b>Notes:</b>					
<b>Course evaluation:</b> Assessed students in total: 39					
A	B	C	D	E	FX
51.28	15.38	17.95	5.13	10.26	0.0
<b>Name of lecturer(s):</b>					
<b>Last modification:</b> 20.02.2022					
<b>Supervisor(s):</b> Person responsible for the delivery, development and quality of the study programme: prof. MUDr. Anna Lesňáková, PhD.					

## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2005W/22	<b>Course title:</b> Kinesiology and Pathokinesiology 1
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Lecture <b>Recommended study range:</b> <b>hours weekly:</b> 3 <b>hours per semester:</b> 36 <b>Teaching method:</b> on-site	
<b>Credits:</b> 4	<b>Working load:</b> 100 hours
<b>Recommended semester/trimester:</b> 1.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b>	
<b>Requirements for passing the course:</b> 20 hours self-study final evaluation: oral exam (0 - 100) The number of points obtained for the final evaluation is 100. It corresponds to the classification scale of the evaluation. Credits will be awarded to a student who has obtained at least 60 out of 100 points from the course for meeting the specified conditions. Self-study: 40 hours	
<b>Learning outcomes of the course:</b> <ul style="list-style-type: none"> <li>• Knowledge: knows the basics of motor ontogenesis, understands the dynamics of momentum development related to the gradual maturation of the CNS, knows the development of gross and fine motor skills and posture and their specifics from birth to adulthood.</li> <li>• Skills: can recognize postural and motor disorders of children and the adult population. Can design adequate treatment in the detection of motor and postural abnormalities. Can assess the degree of damage to the will. He is familiar with the issue of infantile cerebral paresis.</li> <li>• Competences: has the ability to analyze and synthesize in the kinesiological analysis and evaluation of the neuromuscular system, based on the principles of ontogenesis and the development of human motor skills,</li> </ul>	
<b>Course contents:</b> Prenatal effect on motor skills: genetic factors, gestational period, fetal motor skills, interactions of CNS maturation and fetal (child) movement manifestations. 2. Childbirth and its effect on motor skills. 3. Sensory and primitive reflexology. 4. Postural ontogenesis of a healthy and handicapped child up to the first year after birth (erection mechanisms up to bipedal locomotion). 5. Differentiated muscle functions during development, grip development and motor system of intentional movement. Central coordination disorders pathological CNS disorders. 7. Tests determining the degree of development in individual trimesters and relative retardation. 8. Normal and pathological development of a child under 3 and up to 6 years. 9. Clinical diagnosis of the degree of developmental disorder, determination of the prognosis of the detected disorder. 10. Child manipulation, sensorimotor stimulation. 11. Facilitation-inhibition techniques, aids. 12. Instruction and information of parents for the appropriate procedure for a disabled and healthy child - prevention of the consequences of incorrect physical education	

<b>Recommended or required literature:</b>					
<b>Language of instruction:</b>					
<b>Notes:</b>					
<b>Course evaluation:</b> Assessed students in total: 38					
A	B	C	D	E	FX
15.79	39.47	34.21	7.89	2.63	0.0
<b>Name of lecturer(s):</b> prof. MUDr. Anna Lesňáková, PhD., Mgr. Marina Potašová, PhD.					
<b>Last modification:</b> 05.03.2022					
<b>Supervisor(s):</b> Person responsible for the delivery, development and quality of the study programme: prof. MUDr. Anna Lesňáková, PhD.					

## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2015W/22	<b>Course title:</b> Kinesiology and Pathokinesiology 2
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Lecture <b>Recommended study range:</b> <b>hours weekly:</b> 3 <b>hours per semester:</b> 36 <b>Teaching method:</b> on-site	
<b>Credits:</b> 4	<b>Working load:</b> 100 hours
<b>Recommended semester/trimester:</b> 2.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b> KFYZIO/54F2005W/22	
<b>Requirements for passing the course:</b> final evaluation: oral exam (0 - 100) The number of points obtained for the final evaluation is 100. It corresponds to the classification scale of the evaluation. Credits will be awarded to a student who has obtained at least 60 out of 100 points from the course for meeting the specified conditions. 40 hours of self-study	
<b>Learning outcomes of the course:</b> <ul style="list-style-type: none"> <li>• <b>Knowledge:</b> Has a broad knowledge of the anatomy and physiology of the musculoskeletal system, including knowledge of the kinesiology of the musculoskeletal system. He knows the relationships between kinantoropology and biomechanics in relation to movement. He has adequate knowledge of the basic pathomorphological and pathophysiological manifestations of the musculoskeletal system and their therapy.</li> <li>• <b>Skills:</b> can integrate and use the acquired knowledge of kinesiology in the kinesiological analysis of musculoskeletal disorders and prototyping activities and use them in the creation of physiotherapeutic procedures in individual clinical disciplines.</li> <li>• <b>Competences:</b> masters a wide range of kinesiological analysis and uses in functional diagnostics of the locomotor system. He is capable of analysis and synthesis in kinesiological analysis and evaluation of the neuromuscular system. Masters a wide range of methods and techniques of kinesiotherapy and manual therapy and is able to apply them in the process of physiotherapeutic care in various medical disciplines</li> </ul>	
<b>Course contents:</b> Kinesiology of prototyping activities. Characteristics of basic postural activities under physiological conditions, possible manifestations of pathology. Postural and locomotor (gross) motor skills. Kinesiology and pathokinesiology HSSCH. Kinesiology pathokinesiology of the cervical spine - upper and lower section. Kinesiology pathokinesiology of the torso. Kinesiology pathokinesiology of the chest and respiration. Kinesiology pathokinesiology of the limb girdle. Kinesiology pathokinesiology of the lower limb.	
<b>Recommended or required literature:</b>	
<b>Language of instruction:</b>	

**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: 37

A	B	C	D	E	FX
43.24	2.7	18.92	16.22	18.92	0.0

**Name of lecturer(s):** prof. MUDr. Anna Lesňáková, PhD., Mgr. Marina Potašová, PhD.

**Last modification:** 05.03.2022

**Supervisor(s):**

Person responsible for the delivery, development and quality of the study programme:

prof. MUDr. Anna Lesňáková, PhD.



## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2004W/22	<b>Course title:</b> Neurology 1
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Lecture <b>Recommended study range:</b> <b>hours weekly:</b> 2 <b>hours per semester:</b> 24 <b>Teaching method:</b> on-site	
<b>Credits:</b> 3	<b>Working load:</b> 75 hours
<b>Recommended semester/trimester:</b> 3.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b>	
<b>Requirements for passing the course:</b> final evaluation: oral exam (0 - 100) The number of points obtained for the final evaluation is 100. It corresponds to the classification scale of the evaluation. Credits will be awarded to a student who has obtained at least 60 out of 100 points from the course for meeting the specified conditions. Prerequisites and co-requisites: During the semester, active participation in lectures and seminars, passing a continuous written test, preparation of a presentation on a given topic. During the semester there will be a written examination, for which it is possible to obtain a maximum of 13 points. To participate in the final exam, it is necessary to obtain at least 6 points from the examinations. At the final exam, the student can get max. 13 points. The final evaluation will be based on the points obtained from the examination during the semester and from the final test. Self-study: 20 hours	
<b>Learning outcomes of the course:</b> <ul style="list-style-type: none"> <li>• Knowledge: knows the neurological examination of motor function, get acquainted with the examination of gait, focus on gait parameters, examination of sensitive and motor functions, peripheral and motor disorders</li> <li>• Skills: can apply examination procedures of sensitive and locomotor function.</li> <li>• Competences: can increase the effectiveness of basic examination procedures of sensitive and locomotor function.</li> </ul>	
<b>Course contents:</b> Course contents: <ol style="list-style-type: none"> <li>1. Neurological disorders of movement and gait.</li> <li>2. Fundamental knowledge of elementary sensory functions examination.</li> <li>3. Fundamental knowledge of elementary motor functions examination.</li> <li>4. Comprehensive examination of peripheral motor disorders.</li> <li>5. Comprehensive examination of central motor disorders.</li> <li>6. Gait examination, robotic rehabilitation applications in gait rehabilitation.</li> <li>7. Objectification of examinations.</li> <li>8. Diagnostic conclusions for differential diagnostics and therapy.</li> <li>9. Neurorehabilitation - basics</li> </ol>	

**Recommended or required literature:**

1. Madarász, Š., Andráši. I., Šanta. M., Neurology for Health Professions, Tribun EU s.r.o., Brno, First Edition, ISBN 978-80-263-1425-7
2. HAGOVSKÁ, M. Overview of neurology and neurorehabilitation for physiotherapists. University teaching tests. Košice, 2014
3. MUMENTHALER, M., BASETTI, C., DAETWYLER, C.: Neurological differential diagnostics. Translation of the 5th, revised and supplemented edition. City, 2008, p. 376
4. Lectures

**Language of instruction:**

Slovak

**Notes:**

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: 39

A	B	C	D	E	FX
0.0	0.0	7.69	35.9	56.41	0.0

**Name of lecturer(s):** MUDr. Štefan Madarász, PhD.

**Last modification:** 05.03.2022

**Supervisor(s):**

Person responsible for the delivery, development and quality of the study programme:  
prof. MUDr. Anna Lesňáková, PhD.

## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2028W/22	<b>Course title:</b> Occupational Therapy
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Lecture / Seminar <b>Recommended study range:</b> <b>hours weekly:</b> 1 / 1 <b>hours per semester:</b> 12 / 12 <b>Teaching method:</b> on-site	
<b>Credits:</b> 3	<b>Working load:</b> 75 hours
<b>Recommended semester/trimester:</b> 3.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b>	
<b>Requirements for passing the course:</b> <ul style="list-style-type: none"> <li>• final evaluation: oral exam (0 - 100)</li> </ul> <p>The number of points obtained for the final evaluation is 100. It corresponds to the classification scale of the evaluation. Credits will be awarded to a student who has obtained at least 60 out of 100 points from the course for meeting the specified conditions.</p>	
<b>Learning outcomes of the course:</b> <p>Knowledge: knows the position of occupational therapy in the overall treatment program. He has an overview of occupational therapy procedures for selected diagnoses and skill in basic methods of occupational therapy</p> <ul style="list-style-type: none"> <li>• Skills: can apply adequate occupational therapy activity. Implements training in routine activities with the patient. Applies ergodiagnostic tests, creates an occupational therapy program, creates a suitable program for retraining and resocialization of the patient</li> <li>• Competences: can design barrier-free living conditions for the patient, can evaluate the safety standards of aids and the safety of sheltered workshops.</li> </ul>	
<b>Course contents:</b> <ol style="list-style-type: none"> <li>1. Basic concepts and history of occupational therapy.</li> <li>2. Objectives, tasks, methods and classification of occupational therapy.</li> <li>3. Therapeutic education for independence. Practical mastery of the compensating aid. Practical training of common daily activities.</li> <li>4. Treatment by employment and elements of therapy by work activities in medical rehabilitation.</li> <li>5. Working with paper, textiles and natural materials.</li> <li>6. Methodical procedures of occupational therapy for individual diseases (neurology)</li> <li>7. Methodical procedures of occupational therapy for individual diseases (traumatology)</li> <li>8. Methodical procedures of occupational therapy for individual diseases (orthopedics, surgery)</li> <li>9. Methodical procedures of occupational therapy for individual diseases (pediatrics)</li> <li>10. Basic examination and development of therapeutic occupational therapeutic program.</li> <li>11. Ergodiagnosics - tests usable in physiotherapy: Barthel's index, ADL, ASIA test, Brunnstrom's test, self-service test, communication skills.</li> <li>12. Patient Rating Scale (Kurt Scale for Multiple Sclerosis)</li> </ol>	

**Recommended or required literature:**

1. JELENÍKOVÁ, J., KRIVOŠÍKOVÁ, M., ŠAJTAROVÁ, L. : Ergoterapie, Portál, Praha 2009. ISBN 978-80-7367-83-7.
2. GÚTH, A. a kol.: Liečebné metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GUTH, Bratislava.
3. KOLÁŘ, P. : Rehabilitace v klinické praxi, Galen, Praha, 2010.
4. WHO. Mezinárodní klasifikace funkčních schopností disability a zdraví. Grada Publishing a.s., Praha, 2001. ISBN 978-80-247-1587-2.
5. ŠVESTKOVÁ, O., PFEIFFER, J. 2009. Mezinárodní klasifikace funkčních schopností disability a zdraví. Výukový materiál. 1. LF UK a VFN v Prahe, Praha, 2009.
6. Mačkinová, M., Lesňáková, A., Kopinec, P. 2019. Sociálnozdravotná starostlivosť o pacienta po prepustení zo zdravotníckeho zariadenia – 1. vyd. – Bratislava (Slovensko) : Univerzita Komenského v Bratislave, 2019. – 259 s.– ISBN 978-80-223-4830-0

**Language of instruction:**

Slovak

**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: 39

A	B	C	D	E	FX
23.08	38.46	17.95	12.82	7.69	0.0

**Name of lecturer(s):** doc. PhDr. Zuzana Hudáková, PhD.**Last modification:** 05.03.2022**Supervisor(s):**

Person responsible for the delivery, development and quality of the study programme:  
prof. MUDr. Anna Lesňáková, PhD.

## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2036W/22	<b>Course title:</b> Pharmacology
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Lecture / Seminar <b>Recommended study range:</b> <b>hours weekly:</b> 2 / 2 <b>hours per semester:</b> 24 / 24 <b>Teaching method:</b> on-site	
<b>Credits:</b> 3	<b>Working load:</b> 75 hours
<b>Recommended semester/trimester:</b> 3.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b>	
<b>Requirements for passing the course:</b> záverečné hodnotenie: písomná skúška (0 - 100) Počet bodov získaný za záverečné hodnotenie je 100. Zodpovedá klasifikačnej stupnici hodnotenia. Kredity sa pridelia študentovi, ktorý získal z predmetu za plnenie určených podmienok minimálne 60 zo 100 bodov. Samoštúdium: 20 hodín final evaluation: written exam (0 - 100) The number of points obtained for the final evaluation is 100. It corresponds to the classification scale of the evaluation. Credits will be awarded to a student who has obtained at least 60 out of 100 points from the course for meeting the specified conditions. Self-study: 20 hours	
<b>Learning outcomes of the course:</b> <ul style="list-style-type: none"> <li>• Knowledge: recognizes the stages of lymphedema and method of treatment, has knowledge of anti-edematous positioning and gymnastics, tactile lymphatic drainage, has knowledge of pharmacological tasks, mechanism of action of drugs, pharmacokinetics and pharmacodynamics of drugs, their absorption, transport, biotransformations, interactions and excretions, interactions, NUL, types of treatment, placebo therapy, research of new drugs, forms of drugs</li> <li>• Skills: can apply basic knowledge about lymphedema treatment, has manual lymphatic drainage skills, can apply lymphomassage kits, bandage limbs, implement anti-edematous gymnastics, know the principles of handling and administration of drugs in pharmacology.</li> <li>• Competences: recognizes the stages of lymphedema and the method of treatment, defines primary and secondary lymphedema, performs anti-edematous positioning and gymnastics, lymphatic drainage. controls the systematization of pharmacotherapeutic groups as well as their profile</li> </ul>	
<b>Course contents:</b> Lymphedema therapy Anatomy of the lymphatic system. 2. Lymphedema and its stages. 3. Treatment of lymphedema. 4. Manual lymphatic drainage - theoretical foundations. 5. Manual lymphatic drainage of the upper and lower limbs. 6. Manual lymphatic drainage of the chest. 7. Manual lymphatic drainage of the back. 8. Manual lymphatic drainage of LS area. 9. Manual lymphatic drainage - neck front and back. 10. Manual lymphatic drainage of the face. Pharmacology	

Drug interactions, pharmacokinetics, pharmacodynamics, agonism, antagonism, placebo therapy. Basic terminology in pharmacology, routes of drug administration, drug dosing. Pharmacology of the nervous and circulatory system. Pharmacology of the respiratory system. Pharmacology of the digestive system. Pharmacology of enzymes and vitamins. Pharmacology of antibiotics and chemotherapeutics.

**Recommended or required literature:**

1. Gúth, A. a kol.: Liečebné metodiky v rehabilitácii pre fyzioterapeutov, Bratislava : Liečreh Gúth, Bratislava. 2005
2. Tesař, V.: Lymfatické masáže : manuální lymfodrenáž celého těla. Praha : Grada, 2015
3. Wittlinger, H.: Manuální lymfodrenáž podle dr. Voddera : praktický průvodce. Praha : Grada , 2013
4. Poděbradský, J.: Fyzikální terapie : manuál a algoritmy. Praha : Grada , 2009
5. Konečný, P.: Fyzikální terapie a diagnostika. Olomouc : Univerzita Palackého v Olomouci , 2019
6. Kubas, V.: Anatomia pre nelekárske vedy. Ružomberok : Verbum, 2021
7. Lepej, J.: Nukleárna medicína . II. , Nukleárna kardiológia, angiológia, pneumológia a neurológia. Košice : Equilibria, s.r.o. , 2018
8. Gadušová, M.: Vybrané kapitoly z farmakológie. Ružomberok, Verbum 2017
9. SLÍVA, J.: Farmakologie. Praha, Triton 2011
10. LULLMANN, H.: Barevný atlas farmakologie. Praha, Grada 2020
11. Gadušová, M.; Nemcová, E.; Lesňáková, A.; Podoba, R.; Bušovský, M. 2017. Vybrané kapitoly z farmakológie 1. vyd. – Ružomberok (Slovensko) : Katolícka univerzita v Ružomberku. VERBUM - vydavateľstvo KU, 2017. – 167 s. [tlačaná forma]. – ISBN 978-80-561-0468-2

**Language of instruction:**

**Notes:**

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

**Course evaluation:**

Assessed students in total: 39

A	B	C	D	E	FX
30.77	23.08	30.77	15.38	0.0	0.0

**Name of lecturer(s):** prof. MUDr. Anna Lesňáková, PhD., Mgr. Marina Potašová, PhD.

**Last modification:** 05.03.2022

**Supervisor(s):**

Person responsible for the delivery, development and quality of the study programme:  
prof. MUDr. Anna Lesňáková, PhD.

## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2031W/22	<b>Course title:</b> Physical Education and Sport of the Handicapped
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Lecture / Seminar <b>Recommended study range:</b> <b>hours weekly:</b> 2 / 2 <b>hours per semester:</b> 24 / 24 <b>Teaching method:</b> on-site	
<b>Credits:</b> 3	<b>Working load:</b> 75 hours
<b>Recommended semester/trimester:</b> 3.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b>	
<b>Requirements for passing the course:</b> final evaluation: written exam (0 - 100) The number of points obtained for the final evaluation is 100. It corresponds to the classification scale of the evaluation. Credits will be awarded to a student who has obtained at least 60 out of 100 points from the course for meeting the specified conditions. Self-study: 20 hours	
<b>Learning outcomes of the course:</b> Knowledge: has knowledge of the optimal development of motor skills, understands the dynamics of momentum development associated with the gradual maturation of the CNS and proves that developmental kinesiology focused mainly on the period from 12 to 18 months of age is a significant contribution to the study of movement and therapy of movement disorders. <ul style="list-style-type: none"> <li>• Skills: can perform kinesiological analysis and assess the degree of impairment of free movement.</li> <li>• Competences: can assess the degree of damage to the will, is familiar with the issue of infantile cerebral palsy.</li> </ul>	
<b>Course contents:</b> Introduction to the issue and the importance of physical education and sports for the disabled. Basic terminology. Definition and distribution of disabilities. History of physical education and sports for the disabled. National and international organizations uniting disabled athletes and professionals working in the field. Overview of sports performed. Social aspects of disability and application of physical activities. Psychological approaches - motivation, adherence, evaluation. Communication with disabled people. Testing and exercise regime of the disabled. The issue of classification in elite sports. Issues of integration, management of sports and recreational activities for the disabled. Selected summer and winter sports for the disabled (rules, adaptations, classifications). Sports for the visually and hearing impaired, sports for the prosocially handicapped, sports for the internally handicapped, sports for the physically handicapped - biomedical characteristics (causes, consequences, divisions, specifics), possibilities, indications and contraindications of physical activities. Special aids. Practical examples of activities for the disabled.	

**Recommended or required literature:**

GURSKÝ, K. a kol. : Šport a pohybová aktivita v prevencii a liečbe. Prešov: PU, 2008.  
LABUDOVÁ, J., THURZOVÁ, E. : Teória a didaktika zdravotnej telesnej výchovy. Vybrané kapitoly. Bratislava. UK., 1992.  
SRDEČNÝ, V. : Telesná výchova a sport paraplegiku. Metodický dopis. ČSTV, 1978.  
KÁBELE, J. : Sport vozíčkařů. 1.vyd. Praha: Olympia, 1992.  
RADA EVRÓPY.: Evropská charta sportu pro všechny: zdravotně postižené osoby. MŠMT, ČR, 1996.

**Language of instruction:**

Slovak

**Notes:****Course evaluation:**

Assessed students in total: 39

A	B	C	D	E	FX
51.28	48.72	0.0	0.0	0.0	0.0

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

**Last modification:** 05.03.2022

**Supervisor(s):**

Person responsible for the delivery, development and quality of the study programme:  
prof. MUDr. Anna Lesňáková, PhD.



## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F22S/22	<b>Course title:</b> Physiotherapy in Selected Clinical Fields
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> <b>Recommended study range:</b> <b>hours weekly: hours per semester:</b> <b>Teaching method:</b> on-site	
<b>Credits:</b> 5	<b>Working load:</b> 125 hours
<b>Recommended semester/trimester:</b> 3., 4..	
<b>Level of study:</b> II.	
<b>Prerequisites:</b>	
<b>Requirements for passing the course:</b> Conditions for completing the course: The student has successfully completed all study requirements for the master's program in physiotherapy (successfully completed the study program's compulsory and optional courses, according to the student's decision following structure determined by the study program) and obtained designated 98 credits. The student registers for the state exam via the academic information system and submits a signed application for the state exam. Final evaluation: oral examination with state exam committee presence.	
<b>Learning outcomes of the course:</b> Learning outcomes Course objective: The student will demonstrate professional expertise in kinesiotherapy procedures according to the evaluation of the patient's condition and the preparation of a medical rehabilitation and kinesiotherapy plan for particular indication areas of medicine. Theoretical knowledge: The student will demonstrate professional knowledge of physiotherapeutic procedures in medicine's clinical areas, which he acquired during the bachelor's study. Practical skills: The student provides physiotherapeutic care applying the method of medical rehabilitation plan and independently performs physiotherapeutic services based on a doctor's prescription in accordance with legal regulations, within the scope of studies, and professional practice acquired and within standards and medical diagnosis (if a person needs medical care).	
<b>Course contents:</b> Course contents: Defined within the following courses' information sheets: Physiotherapy Diagnostics 1-5, Kinesiotherapy Methods 1-5, Kinesiology and Pathokinesiology 1-2.	
<b>Recommended or required literature:</b> GÚTH, A. a kol.: Vyšetrovacie metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH, Bratislava. GÚTH, A. a kol.: Liečebné metodiky v rehabilitácii pre fyzioterapeutov, LIEČREH GÚTH, Bratislava. JANDA, V: Svalové funkční testy, Grada Publishing, Praha 2004 KOLÁŘ, P. Rehabilitace v klinické praxi, Galen, Praha 2010.	

<b>Language of instruction:</b> Slovak language					
<b>Notes:</b>					
<b>Course evaluation:</b> Assessed students in total: 39					
A	B	C	D	E	FX
64.1	15.38	7.69	2.56	10.26	0.0
<b>Name of lecturer(s):</b>					
<b>Last modification:</b> 20.02.2022					
<b>Supervisor(s):</b> Person responsible for the delivery, development and quality of the study programme: prof. MUDr. Anna Lesňáková, PhD.					

## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2018W/22	<b>Course title:</b> Propedeutics of Scientific Thesis
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Lecture / Seminar <b>Recommended study range:</b> <b>hours weekly:</b> 1 / 2 <b>hours per semester:</b> 12 / 24 <b>Teaching method:</b> on-site	
<b>Credits:</b> 3	<b>Working load:</b> 75 hours
<b>Recommended semester/trimester:</b> 2.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b>	
<b>Requirements for passing the course:</b> final evaluation: written and oral exam (0 - 100) The number of points obtained for the final evaluation is 100. It corresponds to the classification scale of the evaluation. Credits will be awarded to a student who has obtained at least 60 out of 100 points from the course for meeting the specified conditions. During the semester: continuous written examination, from which it is necessary to obtain 60% of points. Final assessment: will be based on a successful written examination and an oral exam.	
<b>Learning outcomes of the course:</b> <ul style="list-style-type: none"> <li>• Knowledge: knows the most commonly used research methods in physiotherapy</li> <li>• Skills: can analyze the results of their own research work</li> <li>• Competences: can adequately and ethically publish and present the acquired theoretical and practical knowledge / experience. Can prepare and process a diploma thesis.</li> </ul>	
<b>Course contents:</b> 1. The most frequently used methods in physiotherapy and healthcare - questionnaire, interview, observation, case report. 2. Processing of research results, biometric and statistical methods. 3. Publication of research results. 4. Preparation and presentation of research results - oral and written presentation. 5. Clinical studies. 6. Preparation, processing and presentation of the diploma thesis.	
<b>Recommended or required literature:</b> <ol style="list-style-type: none"> <li>1. BÁRTLOVÁ, S., SADILEK, P., TOTHOVÁ, V. : Výzkum a ošetrovatelství. Brno, NCO NZO, 2005</li> <li>2. BENČO, J. : Metodológia vedeckého výskumu. Bratislava: IRIS, 2001, 194 s.</li> <li>3. DISMAN., M. : Jak se vyrábí sociologická znalost. Praha: Karolinum, 2002. 374 s.</li> <li>4. HANÁČEK, J, JAVORKA, K. : Vedecká příprava. Martin: Osveta, 2010. 220 s.</li> <li>5. FITZPATRICK, J.,J., WALLACE, M. : Encyclopedia of Nursing Research. New York: Springer Publishing Co., 2005. 831 p</li> <li>6. GAVORA, P.: Úvod do pedagogického výskumu. Bratislava : Univerzita Komenského, 2008.</li> <li>7. KATUŠČÁK, D.: Ako písať záverečné a kvalifikačné práce. Nitra: Enigma, 2007. 162 s.</li> <li>8. MEŠKO, D., KATUŠČÁK, D., FINDRA, J. a kol. : Akademická príručka. Martin: Osveta, 2005. MEŠKO, D. : Medinfo 1. Martin: Osveta, 2005. 152 s.</li> <li>9. RIMARČÍK, M. : Štatistika pre prax. Vydané autorom, 2007. 200 s.</li> </ol>	

<b>Language of instruction:</b> Slovak					
<b>Notes:</b>					
<b>Course evaluation:</b> Assessed students in total: 37					
A	B	C	D	E	FX
89.19	5.41	0.0	5.41	0.0	0.0
<b>Name of lecturer(s):</b> doc. PhDr. Mgr. Vladimír Littva, PhD., MPH					
<b>Last modification:</b> 20.02.2022					
<b>Supervisor(s):</b> Person responsible for the delivery, development and quality of the study programme: prof. MUDr. Anna Lesňáková, PhD.					

## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2042W/22	<b>Course title:</b> Psychiatry
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Lecture <b>Recommended study range:</b> <b>hours weekly:</b> 1 <b>hours per semester:</b> 12 <b>Teaching method:</b> on-site	
<b>Credits:</b> 2	<b>Working load:</b> 50 hours
<b>Recommended semester/trimester:</b> 1.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b>	
<b>Requirements for passing the course:</b> During the semester: participation in lectures in the absence of more than 7 lectures elaboration of a seminar work according to the instructions of the teacher. Final evaluation: oral exam, or. written method according to the teacher's instructions.	
<b>Learning outcomes of the course:</b> Learning outcomes: Course objective: The aim of the course is to provide basic information in the field of psychiatry with a focus on physiotherapy. Theoretical knowledge: The student should be able to identify an acute condition in psychiatry, master the basic psychopathological symptoms, distinguish the main groups of mental disorders - the difference between neurotic, psychotic condition, withdrawal symptoms in addictions, manifestations of organicity. The student has the theoretical knowledge of psychiatry necessary for their application in physiotherapeutic practice. Practical skills: The student uses theoretical knowledge in the practical activities of physiotherapeutic practice.	
<b>Course contents:</b> Course contents: 1. Introduction to the issue. 2. Causes of mental disorders, possibilities of prevention 3. Basic psychopathological symptoms I. 4. Basic psychopathological symptoms II. 5. Organic mental disorders. 6. Schizophrenia, delusional disorders. 7. Affective disorders. 8. Problems of ethylism and drug addiction. 9. Psychogenic and neurotic mental disorders. 10. Personality disorders, Impulse disorders, disorders in the postpartum period. 11. Some legal and ethical issues in psychiatry.	

12. Urgent psychiatry, problems of suicidality, contact of a physiotherapist with a psychiatric patient.

**Recommended or required literature:**

RABOCH, J., Pavlovský P. a kol.: Psychiatrie, Karolinum, Praha, 2012  
KOLIBÁŠ, E. a kol.: Všeobecná psychiatria. Bratislava: UK, 2007.  
KRÍŽOVÁ, M., HLAUČO, S.: Psychiatria. Ružomberok : FZ KU, 2005.  
ONDRŠIOVÁ, M.: Psychiatria.Martin: Osveta, 2005

**Language of instruction:**

Slovak language

**Notes:**

**Course evaluation:**

Assessed students in total: 38

A	B	C	D	E	FX
15.79	31.58	23.68	13.16	15.79	0.0

**Name of lecturer(s):** PhDr. Michaela Vicáňová, PhD.

**Last modification:** 05.03.2022

**Supervisor(s):**

Person responsible for the delivery, development and quality of the study programme:  
prof. MUDr. Anna Lesňáková, PhD.

## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2029W/22	<b>Course title:</b> Psychosomatics and Psychotherapy
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Lecture / Seminar <b>Recommended study range:</b> <b>hours weekly:</b> 1 / 1 <b>hours per semester:</b> 12 / 12 <b>Teaching method:</b> on-site	
<b>Credits:</b> 3	<b>Working load:</b> 75 hours
<b>Recommended semester/trimester:</b> 3.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b>	
<b>Requirements for passing the course:</b> final evaluation: written exam (0 - 100) The number of points obtained for the final evaluation is 100. It corresponds to the classification scale of the evaluation. Credits will be awarded to a student who has obtained at least 60 out of 100 points from the course for meeting the specified conditions.	
<b>Learning outcomes of the course:</b> <ul style="list-style-type: none"> <li>• Knowledge: knows the importance of psychosomatic medicine.</li> <li>• Skills: can apply psychosomatic links in different areas of human life and lifestyle in physiotherapy practice</li> <li>• Competences: can present knowledge that is used in psychotherapeutic procedures in physiotherapy practice and in subsequent treatment.</li> </ul>	
<b>Course contents:</b> Course contents: <ol style="list-style-type: none"> <li>1. History, concept and theory of psychosomatic medicine.</li> <li>2. Philosophical contexts of psychosomatic medicine.</li> <li>3. Psychosomatic disorders.</li> <li>4. Psychosomatic connections in the musculoskeletal system.</li> <li>5. Psychosomatic approach in physiotherapy practice.</li> <li>6. Salutogenesis, lifestyle problematics.</li> <li>7. Psychosomatic disorders in cardiology, gastroenterology, gynecology and obstetrics.</li> <li>8. Psychosomatic respiratory disorders.</li> <li>9. Psychogenic eating disorders. Obesity.</li> <li>10. Somatopsychotherapy - definition, history, methods.</li> <li>11. Individual psychotherapy, group psychotherapy.</li> <li>12. Psychotherapy in children and adolescents.</li> <li>13. Psychotherapy in somatic medicine - neurology, derma, gynecology, oncology, internal.</li> <li>14. Disease and its effect on individuals, acute and chronic diseases. Adaptation, maladaptation.</li> <li>15. Psychohygiene of a healthcare worker.</li> </ol>	

**Recommended or required literature:**

- PONĚŠICKÝ, J. 2021. Duše a tělo v psychosomatické medicíně. 2021, Vydavatel'stvo: Triton, ISBN: 978-80-7553-895-6
2. PONĚŠNICKÝ, J. 2002. Psychosomatika pro lékaře, psychoterapeuty i laiky. Praha: Triton, 2002.
3. Roman Pešek, Ján Praško, Petr Štípek. Kognitivně-behaviorální terapie v praxi : pro terapeuty, studenty a poučené laiky. Praha : Portál, 2013. 1. Vyd. 229 s. ISBN 978-80-262-0501-2
5. Gerhard Danzer. Psychosomatika : celostný pohled na zdraví těla i duše. Praha : Portál , 2001. Vyd. 1. 244 s. ISBN 80-7178-456-7
6. Hans Hopf ; Lucie Simonová. Když děti často stůňou : psychosomatika pro rodiče. Praha : Portal, 2016, 1.vyd. 164 s. ISBN 978-80-262-1010-8
7. Hans Morschitzky, Sigrid Sator. Když duše mluví řečí těla : stručný přehled psychosomatiky . Praha: Portal, 2007. 1.vyd. 181 s. ISBN 978-80-7367-218-8
8. Valerij Sineľnikov: Dohoda s chorobou. Bratislava, 2018, ARIMES. 177 s. ISBN 9878-80-89227-69-33

**Language of instruction:**

Slovak

**Notes:****Course evaluation:**

Assessed students in total: 39

A	B	C	D	E	FX
23.08	12.82	30.77	33.33	0.0	0.0

**Name of lecturer(s):** doc. PhDr. Zuzana Hudáková, PhD.**Last modification:** 05.03.2022**Supervisor(s):**Person responsible for the delivery, development and quality of the study programme:  
prof. MUDr. Anna Lesňáková, PhD.



## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2003W/22	<b>Course title:</b> Reasearch in Health Care
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Lecture / Seminar <b>Recommended study range:</b> <b>hours weekly:</b> 2 / 2 <b>hours per semester:</b> 24 / 24 <b>Teaching method:</b> on-site	
<b>Credits:</b> 3	<b>Working load:</b> 75 hours
<b>Recommended semester/trimester:</b> 1.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b>	
<b>Requirements for passing the course:</b> final evaluation: oral and written exam (0 - 100) The number of points obtained for the final evaluation is 100. It corresponds to the classification scale of the evaluation. Credits will be awarded to a student who has obtained at least 60 out of 100 points from the course for meeting the specified conditions. During the semester: continuous written examination, from which it is necessary to obtain 60% of points. Final assessment: will be based on a successful written examination and an oral exam. Self-study: 40 hours	
<b>Learning outcomes of the course:</b> <ul style="list-style-type: none"> <li>• Knowledge: knows the essence of research - scientific, clinical, knows how to work with literature, knows the difference between qualitative and quantitative research, masters the stages of the research process; knows the basics of probability theory, knows the procedures of the most used methods of hypothesis testing and estimation of statistical parameters.</li> <li>• Skills: practical manages the methodology of research work, can formulate research problems, goals, set hypotheses, prepare research strategy and its implementation, publish and present research results.</li> <li>• Competences: can work independently with statistical literature, perform exploratory analysis and implement methods using statistical software.</li> </ul>	
<b>Course contents:</b> 1. Hypotheses. 2. Dependent and independent variables. 3. Method and characteristics of selection 4. Research methods 5. Validity and reliability of the measuring tool. 6. Data processing 7. Experiment 8. Structure of scientific research 9. Sources of data acquisition 10. Citation methods. 1. Basic file, random selection, selection range, types of measured characters. 2. Graphs of data representation, histogram, cluster graph, box-graph. 3. Characteristic positions, scatterings and associations of a quantitative feature. 4. Description of the contingency table, different ways of expression. 5. Random variable - generalization of character measurement variability in a given population. 6. The difference between theoretical and empirical characteristics, the difference in the designation of parameters. 7. Normal distribution, calculation using the tables of the distribution function of the normal distribution. 8. Basic table of decisions in the statistical test, error I. and II.	

Kind, level of significance. 9. Test of averages, probabilities and dependencies, estimates. 10. Point and interval estimation, estimation properties, robustness.

**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.
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.
11. SILVERMAN, D. Ako robiť kvalitatívny výskum. Bratislava: Ikar, 2005. 327 s. 11.
12. ŽIAKOVÁ, K. a kol. Ošetrovatelstvo teória a vedecký výskum. Martin: Osveta, 2009. 323 s. 12.
13. Smernica dekana FZ o ukončení studia. Smernica rektora KU z r. 202
14. ZVAROVÁ, J. Základy štatistiky pro biomedicínske obory. Praha“ Karolinum, 1998.
15. HENDL, J., Přehled statistických metod, 2004
16. POPOVIČ, L.: Biometrické minimum pre ošetrovateľov. Ružomberok : KU, 2008,  
POPOVIČ, L.: Propedeutika vedeckej práce pre ošetrovateľov I., II. Ružomberok : KU, 2008, 78 s.
17. RIMARČÍK, M.: Základy štatistiky. Prešov, 2006.

**Language of instruction:**

Slovak

**Notes:**

**Course evaluation:**

Assessed students in total: 38

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

**Name of lecturer(s):** MUDr. Jaromír Tupý, PhD.

**Last modification:** 05.03.2022

**Supervisor(s):**

Person responsible for the delivery, development and quality of the study programme:

prof. MUDr. Anna Lesňáková, PhD.

## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2050W/22	<b>Course title:</b> Seminar to Final Thesis 3
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Seminar <b>Recommended study range:</b> <b>hours weekly:</b> 1 <b>hours per semester:</b> 12 <b>Teaching method:</b> on-site	
<b>Credits:</b> 1	<b>Working load:</b> 25 hours
<b>Recommended semester/trimester:</b> 1.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b>	
<b>Requirements for passing the course:</b> Conditions for completing the course: a) active participation of the student during the spirituality concentration program, participating in discussions, working in groups, participating in cultural, spiritual formation and volunteer activities (60-100%). b) final assessment: Elaboration of an essay on 1 standard page of A4 format (60-100%). The final assessment of the subject corresponds to the verbal assessment: Passed/Not passed. Credit will be awarded to the student who received the course for fulfilling the specified conditions at least 60 out of 100%.	
<b>Learning outcomes of the course:</b> <ul style="list-style-type: none"> <li>• Knowledge: The student has knowledge about the beauty of God and creation, the beauty of human life, human community, marriage and family.</li> <li>• Skills: The student can identify the beauty of God and creation, the beauty of human life, human community, marriage and family.</li> <li>• Competencies: The student is ready to transform the knowledge of the beauty of God and reation, beauty human life, human community, marriage and family into personal life, life in marriage, family and community.</li> </ul>	
<b>Course contents:</b> The beauty of God and creation. The beauty of human life, human community, marriage and family. Theology of the body, human sexuality and intimate life in marriage. Christian education of children. Christian family - domestic Church. The sacrament of marriage and its fundamentals properties: unity, inseparability and fidelity.	
<b>Recommended or required literature:</b>	
<b>Language of instruction:</b>	
<b>Notes:</b> One study group consists of a maximum of 100 students, so that the students can be divided into small groups with the number of 10 members for the purpose of effective communication.	

<b>Course evaluation:</b> Assessed students in total: 38	
ABSOL	NEABS
100.0	0.0
<b>Name of lecturer(s):</b> doc. PhDr. Mgr. Vladimír Littva, PhD., MPH, PaedDr. Martin Pinkoš	
<b>Last modification:</b> 03.10.2023	
<b>Supervisor(s):</b> Person responsible for the delivery, development and quality of the study programme: prof. MUDr. Anna Lesňáková, PhD.	

## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2010W/22	<b>Course title:</b> Special Pedagogy 1
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Lecture / Seminar <b>Recommended study range:</b> <b>hours weekly:</b> 2 / 2 <b>hours per semester:</b> 24 / 24 <b>Teaching method:</b> on-site	
<b>Credits:</b> 3	<b>Working load:</b> 75 hours
<b>Recommended semester/trimester:</b> 1.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b>	
<b>Requirements for passing the course:</b> final evaluation: oral exam (0 - 100) The number of points obtained for the final evaluation is 100. It corresponds to the classification scale of the evaluation. Credits will be awarded to a student who has obtained at least 60 out of 100 points from the course for meeting the specified conditions. Self-study: 40 hours	
<b>Learning outcomes of the course:</b> <ul style="list-style-type: none"> <li>• Knowledge: knows the basics in special pedagogy and special pedagogical forms of help; manages orientation in special pedagogy</li> <li>• Skills: can apply systems thinking in special pedagogy</li> <li>• Competences: manages basic physiotherapeutic care in special pedagogy.</li> </ul>	
<b>Course contents:</b> General introduction to the issue. The concept, subject and goal of special pedagogy. SP terminology. Special pedagogical intervention. Special pedagogical education in integrated and segregated conditions. Specific requirements in age and diagnostic groups. Special pedagogical programs. Pedagogy of the mentally handicapped. Pedagogy of the physically handicapped. Pedagogy of the visually impaired. Pedagogy of the hearing impaired. Pedagogy of people with impaired communication skills. Pedagogy of the psychosocially impaired. Methods and principles in education. <b>Exercises:</b> Special pedagogical education in integrated and segregated conditions. Special pedagogical programs. Pedagogy of the mentally handicapped. Pedagogy of the physically handicapped. Pedagogy of the visually impaired. Pedagogy of the hearing impaired. Pedagogy of people with impaired communication skills.	

**Recommended or required literature:**

1. VAŠEK, Š.: Špeciálna pedagogika. Sapienia, Bratislava 1999.
2. VAŠEK, Š.: Základy špeciálnej pedagogiky. Sapienia, Bratislava 2008. ISBN 978-80-89229-11-6
3. ČAJKA: Tyflopédia.
4. VÍTKOVÁ, M.: Integrativní speciální pedagogika. Paido, Brno 1998. 5.
5. AMTMANNOVÁ, E.: Stimulačný program pre mentálne postihnuté deti. Zb. Liečebná pedagogika I., Bratislava PedF UK 1994
6. FRANKL, V.E.: Psychoterapie pro laiky, Brno, Cesta 1998
6. HORŇÁKOVÁ, M.: Činnosťná terapia v liečebnej pedagogike, Bratislava, Creativpress 1995
7. HORŇÁKOVÁ, M.: Liečebná pedagogika, Bratislava, Svornosť 1999
8. KERROVÁ, S.: Dítě se speciálními potřebami, Praha Portál, 1997
9. MATĚJČEK, Z.: Co, kdy a jak ve výchově dětí, Praha, Portál 1996
10. MÁTEJOVÁ, Z., MAŠURA, S.: Muzikoterapia pri zajakavosti, Bratislava, SPN 1980
11. STOPPARDOVÁ, M.: Otestujte svoje dieťa. Alebo ako objaviť a rozvíjať schopnosti dieťaťa, Martin, Neografia 1992
12. STRASSMEIER, W.: 260 cvičení pro děti ranného věku. Soubor cvičení pro děti s nerovnoměrným vývojem a děti handicapované, Praha, Portál 1996
13. SVETLÍKOVÁ, J., FULUPOVÁ, E., ALBERTY, L.: Kniha hier pre tvorivo humanistickú výchovu, Trnava, EDUCATIO 1998

**Language of instruction:**

Slovak

**Notes:****Course evaluation:**

Assessed students in total: 38

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

**Name of lecturer(s):** doc. PhDr. PaedDr. Miroslav Gejdoš, PhD.**Last modification:** 05.03.2022**Supervisor(s):**Person responsible for the delivery, development and quality of the study programme:  
prof. MUDr. Anna Lesňáková, PhD.

## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2051W/22	<b>Course title:</b> Special Pedagogy 2
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Lecture <b>Recommended study range:</b> <b>hours weekly:</b> 2 <b>hours per semester:</b> 24 <b>Teaching method:</b> on-site	
<b>Credits:</b> 2	<b>Working load:</b> 50 hours
<b>Recommended semester/trimester:</b> 1.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b>	
<b>Requirements for passing the course:</b> active student participation in classes b) final evaluation: written exam - electronic test (60 - 100%). The final evaluation of the course corresponds to the verbal evaluation: Passed / Not completed. Credits will be awarded to a student who has obtained from the subject for meeting the specified conditions at least 60 out of 100%.	
<b>Learning outcomes of the course:</b> <b>Knowledge:</b> The student acquired basic knowledge about man's vocation to good, about responsibility for human deeds and for the created world. The student reproduces the basic principles of Christian morality. <b>Skills:</b> The student understands current ethical-moral and ethical-social problems with the intention of understanding them more deeply and being able to have a qualified dialogue. <b>Competencies:</b> The student is able to analyze ethical-social and bioethical problems	
<b>Course contents:</b> An introduction to Christian morality. Virtues and their practice in everyday life. Human freedom a Christian ethos. Human co-responsibility for society and the created world. Basic questions social doctrine of the Church.	

**Recommended or required literature:**

1. GOLIANOVÁ, M. 2019. Božie slovo: Dekalóg a blahoslavenstvá v reči na vrchu ako výraz zjavenej morálky. Ružomberok: Verbum, 2019, 297 s. ISBN 978-80-561-0649-5.
2. GUERRERO, O. I. 2020. Ako byť slobodný: príručka pre spokojný život. Bratislava: Nové mesto, 2020, 205 s. ISBN 978-80-89621-56-9.
3. KREEFT, P. 2007. Návrat k čnosti. Bratislava: Redemptoristi, 2007, 200 s. ISBN 978-80-969600-5-7.
4. KÜPPERS, A., SCHALLENBERG, P. 2019. DOCAT: sociálna náuka Cirkvi pre mladých s predhovorom pápeža Františka. Trnava: Spolok sv. Vojtecha, 2019, 319 s. ISBN 978-80-8161-356-2.
5. MAJDA, M. 2020. Teológia a sociálne učenie Jána Pavla II. Ružomberok: Verbum, 2020, 139 s. ISBN 978-80-561-0779-9.
6. PESCHKE, K. H. 2004. Kresťanská etika. Praha: Vyšehrad, 2004, 695 s. ISBN 80-7021-718-9.

**Language of instruction:**

Slovak

**Notes:****Course evaluation:**

Assessed students in total: 38

ABSOL	NEABS
100.0	0.0

**Name of lecturer(s):** doc. PhDr. Mgr. Vladimír Littva, PhD., MPH, PaedDr. Martin Pinkoš**Last modification:** 11.09.2023**Supervisor(s):**Person responsible for the delivery, development and quality of the study programme:  
prof. MUDr. Anna Lesňáková, PhD.



## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2033W/22	<b>Course title:</b> Sport Medicine
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Lecture / Seminar <b>Recommended study range:</b> <b>hours weekly:</b> 2 / 0 <b>hours per semester:</b> 24 / 0 <b>Teaching method:</b> on-site	
<b>Credits:</b> 3	<b>Working load:</b> 75 hours
<b>Recommended semester/trimester:</b> 3.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b>	
<b>Requirements for passing the course:</b> final evaluation: written exam (0 - 100) The number of points obtained for the final evaluation is 100. It corresponds to the classification scale of the evaluation. Credits will be awarded to a student who has obtained at least 60 out of 100 points from the course for meeting the specified conditions.	
<b>Learning outcomes of the course:</b> <ul style="list-style-type: none"> <li>• Knowledge: has knowledge of the optimal development of motor skills, understands the dynamics of momentum development associated with the gradual maturation of the CNS and proves that developmental kinesiology focused mainly on the period from 12 to 18 months of age is a significant contribution to the study of movement and therapy of movement disorders.</li> <li>• Skills: can perform kinesiological analysis and assess the degree of impairment of free movement.</li> <li>• Competences: can assess the degree of damage to the will, is familiar with the issue of infantile cerebral palsy.</li> </ul>	
<b>Course contents:</b> 1. Characteristics of motor skills, sensitive periods, general starting points for the development of motor skills. 2. Fitness movement abilities. 3. Development and diagnostics of strength skills. 4. Development and diagnostics of speed abilities. 5. Development and diagnostics of flexibility. 6. Development of coordination skills. 7. Diagnostics of coordination skills. Prenatal effect on motor skills: genetic factors, gestational period, fetal motor skills, interactions of CNS maturation and fetal (child) movement manifestations. Sensory and primitive reflexology. Postural ontogenesis of a healthy and handicapped child up to the first year after birth (erection mechanisms up to bipedal locomotion). Differentiated muscle functions during development, grip development and motor system of intentional movement. Central coordination disorders pathological CNS disorders. Tests determining the degree of development in individual trimesters and relative retardation. Normal and pathological development of a child under 3 and up to 6 years. Clinical diagnosis of the degree of developmental disorder, determination of the prognosis of the detected disorder. Child manipulation, sensorimotor stimulation. Facilitation-inhibition techniques, aids. Instruction and information of parents for the appropriate procedure for a disabled and healthy child - prevention of the consequences of incorrect physical education.	

**Recommended or required literature:**

1. MARČEK, T., DZURENKOVÁ, D., HÁJKOVÁ, M. 1999. Telovýchovné lekárstvo - teoretická a klinická časť. Bratislava: Univerzita Komenského, 1999, 124 s. ISBN 80-223-1186-3.
2. MARČEK, T. et al. 2007. Telovýchovné lekárstvo. Bratislava: Univerzita Komenského, 2007, 265 s. ISBN 978-80-223-2276-8.
3. KOMADEL, Ľ. et al. 1997. Telovýchovnolekárske vademecum. 2. vyd. Bratislava: Slovenská spoločnosť telovýchovného lekárstva, 1997, 237 s. ISBN 80-7806-3-8.
4. MARČEK, T., KUKUROVÁ, E. et al. 2002. Regenerácia - compendium lekárskej fyziky pre integrovanú výučbu, 2. doplnené a prepracované vydanie. Bratislava: Asclepios, 2002, 308 s. ISBN 80-7167-052-9.
5. DYLEVSKÝ, I.: Kineziológia. Triton, Praha 2009
6. DYLEVSKÝ, I.: Obecná kineziológia. Grada, Praha 2009
7. LESNÝ, I. a kol. : Obecná vývojová neurologie. Praha: Avicenum, 1987.
8. KOLÁŘ, P. : Rehabilitace v klinické praxi. Galen, Praha 2010.
9. VLACH, V. : Vybrané kapitoly kojenecké neurologie. Praha: Avicenum, 1979
10. VOJTA, V., PETERS. A. : Vojtův princip. Praha : Grada, 1995.
11. VOJTA, V. : Cerebrálne poruchy pohybového ústrojenstva v dojčeneckom veku.

**Language of instruction:**

Slovak

**Notes:****Course evaluation:**

Assessed students in total: 39

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

**Name of lecturer(s):** MUDr. František Rigo**Last modification:** 05.03.2022**Supervisor(s):**Person responsible for the delivery, development and quality of the study programme:  
prof. MUDr. Anna Lesňáková, PhD.

## COURSE INFORMATION SHEET

<b>University:</b> Catholic University in Ružomberok	
<b>Faculty:</b> Faculty of Health	
<b>Course code:</b> KFYZIO/54F2014W/22	<b>Course title:</b> Surgery and Traumatic Surgery
<b>Type and range of planned learning activities and teaching methods:</b> <b>Form of instruction:</b> Lecture / Seminar <b>Recommended study range:</b> <b>hours weekly:</b> 2 / 2 <b>hours per semester:</b> 24 / 24 <b>Teaching method:</b> on-site	
<b>Credits:</b> 3	<b>Working load:</b> 75 hours
<b>Recommended semester/trimester:</b> 2.	
<b>Level of study:</b> II.	
<b>Prerequisites:</b>	
<b>Requirements for passing the course:</b> final evaluation: oral exam (0 - 100) The number of points obtained for the final evaluation is 100. It corresponds to the classification scale of the evaluation. Credits will be awarded to a student who has obtained at least 60 out of 100 points from the course for meeting the specified conditions. Selfstudy: 40 hours	
<b>Learning outcomes of the course:</b> <ul style="list-style-type: none"> <li>• Knowledge: knows the basics of general and special surgery, can analyze the impact of prosthetic devices on the overall movement of the body.</li> <li>• Skills: can apply knowledge of surgery in physiotherapy practice, can test prosthetic devices</li> <li>• Competences: can increase the efficiency of the processes taking place in patients with indications of orthoses and prostheses and their influence on statics and dynamics of the body.</li> </ul> 20 hours self-study	
<b>Course contents:</b> Surgery and trauma surgery The essence and history of surgery, superstructure departments. 2. Relation of surgery to rehabilitation. 3. Wound - physiology of wound healing, infection in surgery, anesthesia, basics of resuscitation. 4. Examination methods in surgery, anamnesis, medical record, objective examinations in surgery, preparation of the patient for surgery. 5. Oncosurgery. 6. Gastroenterosurgery. 7. Neurosurgery. 8. Cardiac surgery, arterial and venous surgery. 9. Obstetric operations. 10. Gynecological problems in sportswomen. 11. Ethical issues in surgery. Orthopedics and prosthetics Indications of orthoses and their functional division. 2. Basic principles of prosthesis and orthosis construction. 3. Control of prostheses and orthoses, the problem of biocompatibility. 4. Deployment and removal of orthopedic devices, errors, defects and their elimination. 5. Modification and repairs of orthoses and prostheses. 6. Modifications of devices according to the development of the carrier's momentum. 7. Walking school and gripping school. 8. Mistakes when walking with the forefoot prosthesis. 9. Mistakes when walking with the thigh prosthesis. 10. Application of myoelectric prosthesis and training in its use. 11. Analysis of movement affected with a prosthetic device, testing. 12. Individual or prosthetic devices or parts thereof. 13. Measurement in prosthetics and	

orthotics. 14. Grip testing. 15. Electrical, pneumatic and hydraulic control. 16. Control devices of selected adjuvants.

**Recommended or required literature:**

1. BOBER, J. a kol.: Chirurgia I. II., Košice, 2007, 110+203 s., ISBN 8096949953
2. ZEMAN, M, a kol.: Chirurgická propedeutika, Praha, Grada, 2006, ISBN 8074697052
3. BROZMANOVÁ, B. a kol.: Ortopedická protetika. Martin, Osveta, 1990. ISBN 80-217-0133-1- 2.
4. HADRABA, I. : Protetika a ortotika: učební texty pro posluchače FTVS – odbor rehabilitace. Praha: SNP, 1987.
5. PFEIFFER, J., OBRDA, K., VOTAVA, J.: Základy rehabilitace. Praha: Karolinum, 1997. ISBN 80-7184-385-7.
6. Mačkinová, M., Lesňáková, A., Kopinec, P. 2019. Sociálnozdravotná starostlivosť o pacienta po prepustení zo zdravotníckeho zariadenia – 1. vyd. – Bratislava (Slovensko) : Univerzita Komenského v Bratislave, 2019. – 259 s.– ISBN 978-80-223-4830-0

**Language of instruction:**

Slovak

**Notes:**

**Course evaluation:**

Assessed students in total: 37

A	B	C	D	E	FX
21.62	27.03	21.62	10.81	18.92	0.0

**Name of lecturer(s):** MUDr. Viliam Kubas, PhD., Mgr. Juraj Čief, PhD.

**Last modification:** 05.03.2022

**Supervisor(s):**

Person responsible for the delivery, development and quality of the study programme:  
prof. MUDr. Anna Lesňáková, PhD.