



PHYSIOTHERAPY

UNDERGRADUATE UNIVERSITY

STUDY PROGRAMME CURRICULUM

Mostar, September 2022

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1. INTRODUCTION

The curriculum of the undergraduate university study programme of Physiotherapy is the result of the review process, which began with the Decision of the Senate at the session held on February 26, 2022 (No. 01-993-1 / 22). The regular revision procedure was carried out according to the Rulebook on the procedure of adopting new and regular revisions of existing study programmes (No. 01-993-1 / 22). It stipulates that the Committee coordinates a revised curriculum. The Committee also includes student representatives and external users, and the scientific-teaching/artistic-teaching council of the organizational unit submits their proposal to the University Senate for adoption.

In order to involve all stakeholders in the process of improving the study programme, a public hearing was held on July 14, 2022 (No. 01-1086/22).

The conclusions of the public debate were taken into account during the development of the curriculum. In addition to the conclusions of the public debate, the recommendations of the Expert Committee from the last institutional accreditation in 2020 were taken into account. The recommendations include practical work outside the University (where applicable), application of legal and internal acts on the minimum share of pre-examination obligations in the final grade of all courses, and the application of modern teaching methods with the student at the center of the teaching process.

Also, during the development of the curriculum, all strategic tasks in the strategic area of education from the University Development Strategy 2018 – 2023, which relate to the curriculum and teaching process, were carried out (more in the chapter "3.1. Connection to the University Development Strategy").

In addition, when making decisions on the type of changes, all relevant statistical data and survey results collected and conducted in the period since the last revision/adoption of the study programme were analyzed on June 2, 2021 (No. 01-3666/21).

Taking into account all the above, the following changes have been made in this revised curriculum in comparison to the existing one. The changes can be classified into five categories: amendments of course hours within the existing course schedule, merging and separation of courses, amendments of course status (elective/compulsory), elimination of outdated courses for the profession, and introduction of new courses that contribute to the acquisition of competences and learning outcomes defined by the EU occupational standard, and introduction of new elective courses. The essential changes of this revision refer to the decrease in theoretical training, and the increase of the share of practical classes.

Nowadays, physiotherapy is used in almost all clinical fields. It is a leading profession in special rehabilitation hospitals and rehabilitation centers. A physiotherapist is a regular member of professional medical teams in orthopedics, rheumatology, neurology, cardiology, pulmonology, pediatrics, surgery and traumatology, oncology, gynecology and obstetrics, and sports medicine, and the role of a physiotherapist is also recognized in social welfare institutions, retirement homes, health tourism and sports clubs. A physiotherapist is a health expert who plans and implements therapeutic and rehabilitation procedures, applies knowledge and skills from the fields of physiotherapy, clinical kinesiology, basic biomedical sciences, clinical medicine, and other related fields. As part of his activity, the physiotherapist carries out assessment, therapeutic treatment and evaluation of therapeutic effects. He also participates It also participates in primary and secondary prevention measures.

In order to carry out the physiotherapy process responsibly, the physiotherapist must have the knowledge and skills that enable him to establish a functional diagnosis and determine a physiotherapy intervention based on a targeted assessment. Physiotherapy intervention aims to treat or alleviate the consequences of damage, functional limitation or disability, and increases the ability to perform tasks related to self-care and household activities, social and professional integration or reintegration, and leisure activities.

2. GENERAL INFORMATION ABOUT THE STUDY PROGRAMME

Study programme	Physiotherapy
Cycle	1 st cycle (undergraduate study programme)
Type	University study programme
Scientific area	Biomedicine and Healthcare
Scientific field	Clinical Medical Sciences/Health Sciences
Academic title	Bachelor of Physiotherapy
EQF qualification level	6
Duration of study programme	3 years, 180 ECTS
Total number of ECTS credits	3 years/180 ECTS
Language	Croatian language
Mode of study	Full time
Awarding institution	University of Mostar
Institution administering study programme	University of Mostar, Faculty of Health Studies
Study programme objectives	<ul style="list-style-type: none"> - assessment of patient status and need of physiotherapy treatment - application of kinesiometrics and other measurements for the diagnosis and evaluation of the function of the locomotor system according to age, needs and dysfunctions - application of theoretical and practical knowledge for the development, maintenance and recovery of maximum mobility and functional ability with the aim of preserving and strengthening health and preventing diseases and injuries - participation in the education of physiotherapists, improvement of the profession and professional development through lifelong learning, critical and analytical problem solving and understanding the basics of the scientific-research approach, and continuation at graduate studies - independent work at healthcare institutions and independent performance of tasks related to planning, implementation, supervision, and evaluation of the physiotherapy process <p>teamwork, humanistic and multidisciplinary approach to users of physiotherapy treatments</p>
Study programme competencies	<ol style="list-style-type: none"> 1. Promotion of health, quality of life and well-being of the population, community and individuals affected by illness and disability 2. Acquisition of knowledge relevant to the field of physiotherapy practice and problem-solving and decision-making skills 3. Application of professional behavior, knowledge, skills and values, and effective communication in institutions where physiotherapy is performed 4. Application of a comprehensive examination and assessment of the patient, planning and documenting an appropriate program of physiotherapy intervention and applying a humanistic and holistic approach to the person in physiotherapy treatment 5. Carrying out physiotherapy and rehabilitation practice in the context of professional, ethical and legal regulations and applying the principles of professional ethics in physiotherapy interventions

	<ol style="list-style-type: none"> 6. Analyzing theoretical and practical settings of physical therapy practice 7. Identification of specific physiotherapy interventions for certain pathological conditions 8. Application of physiotherapy interventions and physical agents for the purpose of treatment 9. Application of the concept of physiotherapy, professional standards, understanding the role of the physiotherapist in a professional team, identification of the basics of physical agents and various pathological conditions that affect the patient's physical therapy status and need for interventions 10. Identification of the physical properties of individual agents and their biological and physiological influence, and their application in physiotherapy 11. Acquisition of skills for practical performance of physical therapy procedures 12. Implementation of tests to determine the functional capacity of all parts of musculoskeletal system, determining the goal of rehabilitation and designing a treatment program with the aim of promoting, maintaining or restoring functional training 13. Recording data on the health status of patients and educating patients to continue rehabilitation and return to daily life activities 14. Implementation of research activities and using information technologies with the aim of increasing quality and improving professional knowledge and skills 15. Acting according to the principles of ethical and social responsibility while carrying out physiotherapy interventions in accordance with verified physiotherapy practice in primary, secondary and tertiary health care 16. Pedagogical work on the education of our own staff
<p>Study programme learning outcomes</p>	<ol style="list-style-type: none"> 1. Explains the concept of physiotherapy and the scope of work of a physiotherapist (FZSFB-IU-1) 2. Explains the basic terms and laws of the science on which physiotherapy interventions are based (FZSFB-IU-2) 3. Explains the basic concepts and legalities of professional ethics and provisions of legislation important for the profession of physiotherapy (FZSFB-IU-3) 4. Explains basic terms and laws from biomedical subjects necessary to define and analyze problems for the purpose of clinical judgment in biomedicine and healthcare (FZSFB-IU-4) 5. Explains the basic terms and laws of biological functions, anatomy and physiology of the organism, as well as the relationship between health and the physical and social environment of man and his behavior (FZSFB-IU-5) 6. Defines different forms of injuries according to the mechanism of production, and recognizes damage and deviations from the normal function of the musculoskeletal system (FZSFB-IU-6) 7. Applies special tests and measuring instruments to determine disorders and functional disability, and documents and interprets the obtained results (FZSFB-IU-7)

	<ol style="list-style-type: none"> 8. Applies theoretical and practical knowledge of various physiotherapy skills, techniques and physical factors used to preserve, promote and restore the patient's functional status (FZSFB-IU-8) 9. Analyzes and applies activities related to improving the function of the locomotor system, cardiorespiratory system, and kinesitherapy and physical agents for the purpose of conducting physical therapy interventions (FZSFB-IU-9) 10. Plans individual and group physiotherapy procedures in the field of all branches of clinical medicine and implements a rehabilitation program with the aim of functional training of patients, respecting the indications and contraindications for the use of physical factors in physiotherapy and respecting the rules and protocols of the rehabilitation team (FZSFB-IU-10) 11. Applies basic communication skills in work with patients and other professionals (FZSFB-IU-11) 12. Uses technology and informatics and observes and evaluates medical information in physiotherapy, applying principles of evidence-based medicine and critical thinking (FZSFB-IU-12) 13. Explains and applies methods of research work and statistical data processing, and independently monitors and evaluates the results of one's own work by following professional 14. Maintains physiotherapy documentation and evaluates achieved goals in physiotherapy rehabilitation (FZSFB-IU-14) 15. Creates a structured text using basic medical and health terminology, elaborates professional health topics and presents professional papers in a foreign language (FZSFB-IU-15)
Opportunity after graduation	After successful completion of undergraduate studies, students have the opportunity to work in public and private healthcare institutions and continue their education at graduate studies.
Accreditation	The University of Mostar received a Decision on Institutional Reaccreditation on 14 January 2020 from the competent Ministry of Education, Science, Culture and Sports of the HNŽ on the recommendation of the Agency for Development of Higher Education and Quality Assurance of B&H, after which the University was registered in the State Register of Accredited Higher Education Institutions.

3. BASIC CHARACTERISTICS OF THE STUDY PROGRAMME

3.1. Connection with the University development strategy

In the Development Strategy of the University of Mostar 2018 – 2023 in the strategic field of education, several strategic goals are related to the curriculum and its elements.

Objective 1 defines that the University, in cooperation with stakeholders, will develop, approve, implement and continuously monitor and improve study programmes at all levels. The following tasks arise from clearly defined learning outcomes related to labour market needs, following the European Qualifications Framework (EQF):

- Task 1: clearly define the objectives and anticipated learning outcomes of each study programme and harmonize the content of the study programme with them, following the appropriate level of the European Qualifications Framework and the qualification standard
- Task 2: Introduce a transparent and consistent process of revision and improvement of study programmes with the participation of students and other stakeholders
- Task 5: ensure realistic allocation of ECTS credits, through a defined system of ECTS coordination at all study levels
- Task 6: improve the interdisciplinarity of all study programmes by enabling elective courses at the university level.

Objective 3 refers to the development of a wide network of teaching bases, including organizations from different fields of activity, to establish cooperation that will enable the connection of practice, science, art, and higher education. The following tasks arise from it:

- Task 2: increase the number of hours and the share of teaching practice in the study programmes and the share of ECTS credits acquired by it
- Task 3: increase the number of bachelor/master papers related to the topic and content.

Key strategic postulates of the Faculty of Health Studies that lead to realization of the vision while respecting the mission and academic values of the University are modern study programmes that will be directed towards the development of a wide range of competencies, as well as education and activities that will be directed towards the development of the economy, society and culture.

University studies at the Faculty of Health Studies of the University of Mostar enable the establishment of a system of continuous training, refresher training and acquisition of latest cognitions, as well as constant monitoring and recognition of the priorities of healthcare needs in the country and the European environment. At the first level (undergraduate studies), training is focused on basic education. A special strategic goal is basic skills training necessary for independent work performance, and this includes a three-year education with a load of 180 ECTS-points, after which the student is awarded a title of bachelor.

3.2. Compliance with the achievements of a certain scientific/artistic area and labor market and connection with the standards of occupations/qualifications

Objectives, competencies, and learning outcomes at the level of the study programme are defined in a way that is in line with the achievements of a particular Biomedicine and healthcare area and labour market and related to the standards profession. To harmonize with the achievements of the particular Biomedicine and healthcare, the representatives of teachers in the Committee for the development of the revised curriculum and other teachers who participated in the development of syllabi for each course took into account current achievements and trends in scientific area Biomedicine and healthcare, field Clinical Medical Sciences/Health Sciences, branch Physiotherapy relating to university undergraduate study programme of Physiotherapy.

Also, student representatives and external users were appointed to the Committee for the development of the revised curriculum to harmonize with the labour market. Public hearing was organized with the participation of experts from practice and economics, and their suggestions were taken into account in the development of the curriculum.

Since no occupational standard or qualification standard has been defined at any level in B&H, the following documents have been taken into account:

In addition to the above document, the following documents were also considered:

- Curriculum Framework for Qualifying Programmes in Physiotherapy Available from: <https://www.csp.org.uk/system/files/documents/2022-04>
- Bologna Declaration. The European Higher Education Area. The Bologna Declaration, a joint declaration of The European Ministers of Education convened in Bologna 19 June 1999. Available from: <http://www.ond.vlaanderen.be/hogeronderwijs/>).
- Goal 18 WHO – development of human resources in healthcare till 2010
- Healthcare for all in 2021, WHO
- Quality Assurance Standards of Physiotherapy Practice and Delivery ADOPTED General Meeting 26-28 April 2018 Dublin, Ireland ADOPTED-Quality Assurance Standards of Physiotherapy Practice and Delivery General Meeting of the European Region of the WCPT 2018 2 QUALITY ASSURANCE STANDARDS OF PHYSIOTHERAPY PRACTICE AND DELIVERY European Region of the WCPT Professional Issues WG
- Professional competencies physiotherapists, advanced physiotherapists and physiotherapist assistants esco Professional definitions + ENPHE recommendations [Internet]. Available from: <https://ec.europa.eu/esco/portal/home>
- Law on Healthcare (Official Gazette of the Federation of B&H No. 41/10 and 75/13),
- Rulebook on internships and professional exams for health professionals (Official Gazette of the FB&H, 51/17),
- Rulebook on Amendments to the Rulebook on internship and professional examination of healthcare workers.

Jobs/competencies/learning outcomes from all the above documents are implemented in the competencies and learning outcomes at the level of the study programme listed in chapter "2. General information about the study programme". They are realized in core courses, in order to ensure that all students achieve them with the acquired qualification. The coverage of these learning outcomes at the level of the study programme with the learning outcomes at the level of core courses is presented in the chapter "3.12. Matrix of learning outcomes.

3.3. Comparability with study programmes in the country and abroad

Study programme performed at the Physiotherapy department and the development of physiotherapy as a profession are in line with European standards, and the study programme is based on close cooperation with other institutions of a similar profile in the Republic of Croatia. Comparability is reflected exclusively in the competencies and learning outcomes at the level of study programmes and in the duration of studies, while the study programme retains its specifics mainly through the structure, course names, and ECTS credits.

3.4. Openness to Student mobility

Student mobility is defined by the Rulebook on international mobility, which refers to administrative support for students, student mobility documents, insurance, method of application, the procedure for recognizing mobility and information package. The unique recognition methodology is defined at the university level by the Senate Decision on the adoption of a single form for the Decision on recognition of courses, ECTS credits, grades, and professional practice during student mobility, which is recorded in the diploma supplement. Students can find information on mobility programmes and accompanying forms on the University's website and through the Vice Dean for Quality and Inter-Institutional Cooperation who forwards information from the International Office to student representatives.

3.5. Conditions for enrolment in the study programme and transfer from other study programmes

The Rulebook on Study of the University of Mostar defines the right to enroll in undergraduate, graduate, and integrated study programmes, which is done through a public competition. The Senate, at the proposal of the scientific-teaching / artistic-teaching council of the organizational unit, and with the consent of the Governing Board of the University and the competent Ministry of Education, Science, Culture and Sports of the Herzegovina Neretva County, announces a public tender. It is published on the website and bulletin board of the Faculty of Health Studies, which contains information on the conditions for enrolment, entrance examination, tuition fees, criteria for selecting candidates, and other information.

When transferring from other study programmes, a request is submitted to the dean Faculty of Health Studies, and the appropriate committee decides on the possibilities and conditions for enrolment.

Applicants who enroll at the Faculty, and during their previous education did not study Latin for at least 1 year, must enroll in the Latin language course in the first year of study with the load of 20 hours of lectures and pass the same course before enrolling in the first year of study.

3.6. Conditions for enrolment in the next semester and year of study and graduation

Conditions for enrollment in the next semester and year of study are defined by the Rulebook on Study of the University of Mostar and the general act of the Faculty of Health Studies.

The study program is completed by writing and defense of Bachelor's thesis worth 5 ECTS credits. The procedure of the defense and thesis's methodology are defined by Rulebook on Study of the University of Mostar and the general act of the Faculty of Health Studies.

3.7. Organization of the study programme

The study is organized as a three-year study programme for a total of six semesters. Classes are organized in a block system, and detailed schedules are disclosed per semester and study group. In accordance with the principles of the Bologna Declaration, the proposed study program is structured and evaluated with ECTS credits. Study programs are divided into study years and semesters. In accordance with ECTS credits, one academic year of the study program is worth 60 ECTS, or 30 ECTS credits for one semester.

Students can study as full-time students. Full-time students are those who study according to the full-time teaching schedule.

Summer clinical practice is a mandatory form of the teaching process that is carried out in accordance with the study curriculum and the annual study plan. As a rule, the student performs clinical practice at the University Clinical Hospital Mostar as a constituent unit of the University of Mostar, the Healthcare Center Mostar or some other teaching base with which the Faculty has a contractual agreement, according to the schedule established by the competent Committee. With the approval of the Committee, a student can also perform the clinical in an institution or company that has an organizational unit that deals with professional tasks that are in line with the professional profile of his studies. During clinical practice, the student performs the skills prescribed by the study plan listed in the clinical practice booklet. Successful fulfillment of the above-mentioned obligations is a condition for semester verification and enrollment in the next semester/year of study.

3.8. Structure of the study programme

The structure of the study programme is reflected in the number of hours of each type of teaching and teaching in total, the number of hours of practice, and the number of hours of independent student work in the total student workload of 5400 hours. According to the Rulebook on the procedure for adopting new and revisions of existing study programmes (No. 01-993-1/22), only core courses are listed in the curriculum, while electives are adopted in the annual curriculum for each academic year. Therefore, the table will show the number of hours of each type of teaching and teaching in total, the number of hours of practice, and the number of hours of independent work only in core courses.

The student is obliged to choose one of the offered foreign languages (English or German), which are offered in the first and third semesters, with 2 ECTS credits in the 1st semester and 2 ECTS credits in the 3rd semester. Regardless of the foreign language the student chooses, they acquire competencies and learning outcomes defined at the level of the study programme in accordance with the EU directive.

In relation to the total number of ECTS credits, a sum of ECTS credits acquired in elective courses is 5 ECTS, and the student can choose a total of 5 elective courses. Besides core and elective courses at the level of the study programme and at the level of organizational unit, i.e., in addition to 30 ECTS credits per semester, a student can choose university elective courses from the list adopted by the Senate each academic year, which are recorded in diploma supplement. The purpose of elective courses at the study programme level is a more detailed elaboration of learning outcomes already acquired in

core courses but following student preferences. The purpose of university elective courses is to acquire competencies not provided by the study programme, but that can help students achieve competitiveness in the market and contribute to building one's personality through education.

Table 3.8.1 Representation of teaching load, hours of theory and practice, and the share of workload in the undergraduate study programme of Physiotherapy

Form of teaching	1 st year	2 nd year	3 rd year	Total	%
Lectures	260	305	270	835	15,46%
Practicals	385	450	385	1220	22,59%
Seminars	135	90	115	340	6,20%
Summer clinical practice	300	300	300	900	16,67%
Independent work	720	655	730	2105	39,07%
Total	1800	1800	1800	5400	100%

Table 3.8.2 The share of workload in the study programme in relation to the theoretical and clinical training of the undergraduate university study of Physiotherapy

Load type	Number of hours	Share %
Theoretical teaching	1175	36%
Clinical teaching	2120	64%
Total	3295	100%

In the three years of the undergraduate university study programme of Physiotherapy there are active classes and independent student work of 5400 hours. Student independent work of 2105 hours includes the time a student needs for independent study of the subject, preparation of seminars, mid-terms, final tests, preparation and writing of final and diploma theses, not counting contact hours with the teacher (lectures, seminars, practicals, and professional practice).

The undergraduate university study programme of Physiotherapy consists 31 compulsory and 5 elective courses, summer clinical practice at the end of each year of study in the duration of 900 hours, and the final thesis of 150 hours.

Eight elective courses 2,8 % of the total program points. The decision on elective courses to be taken in the current academic year is ruled by the Scientific Teaching Council of the Faculty of Health Studies in accordance with the needs for the improvement of the teaching program.

Learning outcomes that are acquired by fulfilling individual study obligations, as well as the number of hours expected for each study obligation that ensures the acquisition of the expected learning outcomes, are listed in the description of each individual subject from the study programme.

Table 1. Structures of the undergraduate university study programme of Physiotherapy with shares of forms of teaching, clinical practice and independent work

1. 1 st year									
1 st Winter semester									
Course code	Course title	Teaching hours			I. In total teaching	II. Clinical practice	III. Independent work	Load hours (I.+II.+III.)	ECTS
		L*	p*	S*					
FZSFB101	Anatomy and Histology	35	70	15	120	0	150	270	9
FZSFB102	Physiology and Pathophysiology	40	30	20	90	0	90	180	6
FZSFB103	Physics	20	20	0	40	0	50	90	3
FZSFB104	Basics of Motor Transformations	20	60	0	80	0	70	150	5
FZSFB105	Biomechanics	30	40	10	80	0	70	150	5
FZSFB106	<i>Foreign Language I</i>	0	0	30	30	0	30	60	2
Total		145	220	75	440	0	460	900	30
ECTS core courses									30
ECTS elective courses									0
ECTS TOTAL									30

1 st year									
2 nd Summer semester									
Course code	Course title	Teaching hours			I. In total teaching	II. Clinical practice	III. Independent work	Load hours (I.+II.+III.)	ECTS
		L*	p*	S*					
FZSFZ207	Clinical Kinesiology	30	70	20	120	0	120	240	8
FZSFZ208	Bioethics and Communication Skills	20	10	10	40	0	20	60	2
FZSFZ209	Introduction to Physiotherapy	20	10	5	35	0	25	60	2
FZSFZ210	Basics of Healthcare	10	30	10	50	0	10	60	2
FZSFZ211	Medical Informatics	15	25	0	40	0	50	90	3
FZSFZ212	Health Psychology	10	0	10	20	0	40	60	2
FZSFZ213	Summer Clinical Practice I	0	0	0	0	300	0	300	10
Total		105	145	55	290	300	255	870	29
ECTS core courses									29
ECTS elective courses									1
ECTS TOTAL									30

2. 2nd year3rd Winter semester

Course code	Course title	Teaching hours			I. In total teaching	II. Clinical practice	III. Independent work	Load hours (I.+II.+III.)	ECTS
		L*	P*	S*					
FZSFB314	Clinical Medicine I	55	15	0	70	0	65	135	4,5
FZSFB315	Physiotherapy I	45	120	15	180	0	120	300	10
FZSFB316	Clinical Medicine II	75	0	10	85	0	95	180	6
FZSFB317	Physiotherapy Assessment	30	55	15	100	0	95	195	6,5
FZSFB318	<i>Foreign Language II</i>	0	0	30	30	0	30	60	2
Total		205	190	70	465	0	405	870	29
ECTS core courses									29
ECTS elective courses									1
ECTS TOTAL									30

2nd year4th Summer semester

Course code	Course title	Teaching hours			I. In total teaching	II. Clinical practice	III. Independent work	Load hours (I.+II.+III.)	ECTS
		L*	P*	S*					
FZSFB419	Physiotherapy II	20	90	10	120	0	90	210	7
FZSFB420	Special Topics in Physiotherapy	30	40	0	70	0	80	150	5
FZSFB421	Physical Therapy Skills	30	100	10	140	0	70	210	7
FZSFB422	Summer Clinical Practice II	0	0	0	0	300	0	300	10
Total		80	230	20	330	300	240	870	29
ECTS core courses									29
ECTS elective courses									1
ECTS TOTAL									30

3 rd year									
5 th Winter semester									
Course code	Course title	Teaching hours			I. In total teaching	II. Clinical practice	III. Independent work	Load hours (I.+II.+III.)	ECTS
		L*	P*	S*					
FZSFB523	Clinical Medicine III	45	0	10	55	0	95	150	5
FZSFB524	Physiotherapy III	45	120	10	175	0	185	360	12
FZSFB525	Physical Factors in Therapy	40	60	10	110	0	100	210	7
FZSFB526	Legislation in Health and Social Care	10	0	10	20	0	25	45	1,5
FZSFB527	Management in Healthcare	10	0	10	20	0	25	45	1,5
FZSFB528	Gerontology	15	15	10	40	0	20	60	2
Total		165	195	60	420	0	450	870	29
ECTS core courses									29
ECTS elective courses									1
ECTS TOTAL									30

3 rd year									
6 th Summer semester									
Course code	Course title	Teaching hours			I. In total teaching	II. Clinical practice	III. Independent work	Load hours (I.+II.+III.)	ECTS
		L*	P*	S*					
FZSFB629	Basics of Scientific Research Work	20	20	15	55	0	50	105	3,5
FZSFB630	Special Kinesiology Techniques	30	40	10	80	0	55	135	4,5
FZSFB631	Ergonomics	10	10	10	30	0	30	60	2
FZSFB632	Basics of Biomedical Statistics	15	40	0	55	0	20	75	2,5
FZSFB633	Summer Clinical Practice III	0	0	0	0	300	0	300	10
FZSFB634	Lymphatic Drainage Massage	10	10	10	30	0	15	45	1,5
FZSZAB653	Bachelor's Thesis	0	50	0	50	0	100	150	5
Total		85	170	45	300	300	270	870	29
ECTS core courses									29
ECTS elective courses									1
ECTS TOTAL									30

L – lectures, P - practicals, S*- seminars

3.9. Optimal number of enrolled students with regard to space, equipment and number of teachers

Enrolment quotas before the beginning of each academic year are adopted by the Governing Board of the University, at the proposal of the Senate, and with the consent of the competent ministry.

Students can study as full-time students. Full-time students are those who study according to the programme with a full teaching schedule. Part-time students are students who attend the study programme in addition to work or other activities.

3.10. Resources needed for conducting the study programme

Teachers from the University and teachers from reference higher education institutions in academic ranks from the relevant scientific area, field, and branch participate in the implementation of the study programme. Data on the structure of teaching staff by rank and education, gender and age structure, scientific research productivity, mobility, and project activities of teaching staff are regularly monitored through the bodies from the quality assurance system. These data are processed at the level of the study programme and organizational unit, and are published in annual reports.

In terms of physical resources for the implementation of study programmes, the Faculty of Health Studies has classrooms with classic and modern audio-visual equipment, a cabinet equipped with multimedia and video equipment, a TV system, IT equipment with a maximum of two students per computer, a library - an IT center, and a microbiological research laboratory, Healthcare cabinet with simulation models and clinical skills cabinet and Physical Therapy Cabinet. Clinical hospital wards with equipment for performance of health care. The Faculty of Health Studies has a Clinical Skills Cabinet equipped with highly sophisticated models - simulators.

Based on the signed cooperation agreements, the resources of other institutions are also used for the performance of the undergraduate university study programme of physiotherapy: University Clinical Hospital Mostar, the Institute of Public Health, the Health center Mostar, and School of Medicine of the University of Mostar.

3.11. Quality assurance of the study programme

The purpose, goal, structure, operation and areas of evaluation of the quality assurance system of the University of Mostar are defined by the Rulebook on the structure and operation of the quality assurance system of the University of Mostar.

According to the Rulebook, the quality assurance system at the University of Mostar consists of permanent bodies of the quality assurance system at the university level: the Quality Assurance and Improvement Committee and the Office for Quality Assurance and Improvement. The Faculty of Health Studies is operated by the Quality Assurance and Improvement Committee, which consists of the Vice Dean for Teaching, the Quality Coordinator, and the representative of the teaching staff, the student representative, and the representative of the administrative and technical staff. The Quality Coordinator Faculty of Health Studies is also a member of the Quality Assurance and Improvement Committee. The Rulebook defines the competencies and activities of each body from the quality assurance system. Bodies from the quality assurance system carry out regular activities defined by the University Quality Assurance Manual at the University of Mostar, which relate to conducting surveys and monitoring and data processing. Based on the implemented activities, annual reports are prepared at the level of the study programme, organizational unit, and the University.

3.12.Learning outcomes matrix

IU-study programme IU-course	FZSFB-IU-1	FZSFB-IU-2	FZSFB-IU-3	FZSFB-IU-4	FZSFB-IU-5	FZSFB-IU-6	FZSFB-IU-7	FZSFB-IU-8	FZSFB-IU-9	FZSFB-IU-10	FZSFB-IU-11	FZSFB-IU-12	FZSFB-IU-13	FZSFB-IU-14	FZSFB-IU-15
FZSFB101					X										
FZSFB102					X	X									
FZSFB103		X		X	X		X		X						
FZSFB104									X						
FZSFB105				X											
FZSFB106															X
FZSFB106/A														X	x
FZSFB207				X											
FZSFB208			X								X	X			
FZSFB209	X	X	X							X		X			
FZSFB210			X	X	X						X				
FZSFB211											X	X			
FZSFB212				X	X										
FZSFB213	X	X	X	X								X			
FZSFB314					X	X			X	X				X	
FZSFB315	X	X		X		X		X	X	X	X				
FZSFB316				X	X	X				X				X	
FZSFB317				X		X	X		X						
FZSFB318															X
FZSFB318/A															X
FZSFB419	X								X	X		x	x	X	
FZSFB420		X	X	X	x	X		X	X	X					
FZSFB421						X		X	X	X					
FZSFB422	X	X		X	X	X	X	X	X	X	X	X	X		
FZSFB523				X	X										
FZSFB524	X			X	X	X	X	X		X	X			X	
FZSFB525								X	X	X					
FZSFB526		X	X												
FZSFB527								X		X	X				
FZSFB528				X	X					X	x				
FZSFB629												X	X		x

IU-study program IU-course	FZSFB-IU-1	FZSFB-IU-2	FZSFB-IU-3	FZSFB-IU-4	FZSFB-IU-5	FZSFB-IU-6	FZSFB-IU-7	FZSFB-IU-8	FZSFB-IU-9	FZSFB-IU-10	FZSFB-IU-11	FZSFB-IU-12	FZSFB-IU-13	FZSFB-IU-14	FZSFB-IU-15
FZSFB630	X				X	X			X		X				
FZSFB631			X		X	X	X							X	
FZSFB632												X	X		
FZSFB633	X				X	X	X	X	X	X	X			X	
FZSFB634							X	X			x				

4. STUDY PLAN

1 st year							
1 st Winter semester							
Course code	Course title	Course status	Teaching hours			Hours of practice	ECTS
			L	P	S		
FZSFB101	Anatomy and Histology	Core	35	70	15	0	9
FZSFB102	Physiology and Pathophysiology	Core	40	30	20	0	6
FZSFB103	Physics	Core	20	20	0	0	3
FZSFB104	Basics of Motor Transformations	Core	20	60	0	0	5
FZSFB105	Biomechanics	Core	30	40	10	0	5
FZSFB106	<i>Foreign Language I</i>	Core	0	0	30	0	3
ECTS for core courses							30
ECTS for elective courses							0
ECTS IN TOTAL							30

1 st year							
2 nd Summer semester							
Course code	Course title	Course status	Teaching hours			Hours of practice	ECTS
			L	P	S		
FZSFZ207	Clinical Kinesiology	Core	30	70	20	0	8
FZSFZ208	Bioethics and Communication Skills	Core	20	10	10	0	2
FZSFZ209	Introduction to Physiotherapy	Core	20	10	5	0	2
FZSFZ210	Basics of Healthcare	Core	10	30	10	0	2
FZSFZ211	Medical Informatics	Core	15	25	0	0	3
FZSFZ212	Health Psychology	Core	10	0	10	0	2
FZSFZ213	Summer Clinical Practice I	Core	0	0	0	300	10
ECTS for core courses							29
ECTS for elective courses							1
ECTS IN TOTAL							30

2 nd year							
3 rd Winter semester							
Course code	Course title	Course status	Teaching hours			Hours of practice	ECTS
			L	P	S		
FZSFB314	Clinical Medicine I	Core	55	15	0	0	4,5
FZSFB315	Physiotherapy I	Core	45	120	15	0	10
FZSFB316	Clinical Medicine II	Core	75	0	10	0	6
FZSFB317	Physiotherapy Assessment	Core	30	55	15	0	6,5
FZSFB318	<i>Foreign Language II</i>	Core	0	0	30	0	2
ECTS for core courses							29
ECTS for elective courses							1
ECTS IN TOTAL							30

2 nd year							
4 th Summer semester							
Course code	Course title	Course status	Teaching hours			Hours of practice	ECTS
			L	P	S		
FZSFB419	Physiotherapy II	Core	20	90	10	0	7
FZSFB420	Special Topics in Physiotherapy	Core	30	40	0	0	5
FZSFB421	Physical Therapy Skills	Core	30	100	10	0	7
FZSFB422	Summer Clinical Practice II	Core	0	0	0	300	10
ECTS for core courses							29
ECTS for elective courses							1
ECTS IN TOTAL							30

3 rd year							
5 th Winter semester							
Course code	Course title	Course status	Teaching hours			Hours of practice	ECTS
			L	P	S		
FZSFB523	Clinical Medicine III	Core	45	0	10	0	5
FZSFB524	Physiotherapy III	Core	45	120	10	0	12
FZSFB525	Physical Factors in Therapy	Core	40	60	10	0	7
FZSFB526	Legislation in Health and Social Care	Core	10	0	10	0	1,5
FZSFB527	Management in Healthcare	Core	10	0	10	0	1,5
FZSFB528	Gerontology	Core	15	15	10	0	2
ECTS for core courses							29
ECTS for elective courses							1
ECTS IN TOTAL							30

3 rd year							
6 th Summer semester							
Course code	Course title	Course status	Teaching hours			Hours of practice	ECTS
			L	P	S		
FZSFB629	Basics of Scientific Research Work	Core	20	20	15	0	3,5
FZSFB630	Special Kinesiology Techniques	Core	30	40	10	0	4,5
FZSFB631	Ergonomics	Core	10	10	10	0	2
FZSFB632	Basics of Biomedical Statistics	Core	15	40	0	0	2,5
FZSFB633	Summer Clinical Practice III	Core	0	0	0	300	10
FZSFB634	Lymphatic Drainage Massage	Core	10	10	10	0	1,5
FZSZAB653	Bachelor's Thesis	Core	0	50	0	0	5
ECTS for core courses							29
ECTS for elective courses							1
ECTS IN TOTAL							30

**L – lectures, P* - practicals, S*- seminars*

