UNIVERSITY OF MOSTAR

ECTS GUIDE Information package

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1. INTRODUCTION

At the beginning of the 21st century, the high education of Bosnia and Herzegovina is facing great challenges. The greatest of them is definitely entering the unique European educational space, promoted by the Bologna process.

Universities around Europe were organised according to the Humbolt university model. Such a university was one of the ideological states' organs, culture keeper and new knowledge producer. Abandoning such a university model in the entire Europe, on which our University was founded as well, is the result of two development processes: globalisation and technological development. The rapid new technology development changes how we live, communicate, produce and learn. *An educated society* is the foundation of the future and the condition of survival.

States that have much higher percent of highly educated population than Bosnia and Herzegovina are doing their best to increase the same. Such cravings demand the changes in the organisation and educational process of the university, in order to solve the accumulated problems in the area of high education. The changes become more complicated every day, and the time between two changes shorter. We are inevitably facing the changes already taking place in the community of nations, the part of which we wish to become. Those changes we can consider good or bad, speak highly of or ignore, but we can neither stop nor change them, and neither the bigger nor stronger than us can. On the one hand, we can choose to become the part of those changes and find our place in them, in order to survive as academic community, or, on the other hand, we can turn the blind eye towards them, which would lead our academic community towards total disappearing. That decision is upon us.

In today's world there is no unique model of studies, teaching plans, duration of studies, degrees acquired after finishing the studies. The basic directions towards optimising the studies are needed. Concerning that, one of the basic issues is mobility of students, university professors and scientists within one university, and within different universities around Europe. Naturally, the basic question is the acknowledgment of professional and academic titles, which is sometimes the problem even within the same state.

For us in Bosnia and Herzegovina, the present moment is the double challenge, as the state is small and rather poor, the industrialisation began with but stopped, bearing the burden of war losses and emigration of quality personnel.

Even the more developed countries have to stop the continuity of their earlier development and start all over, just like us. The difference is that we are facing the new technology for the first time. Still, it is a rare opportunity for us to catch up with the more developed, if we determinately concentrate on it. Knowledge has become the main producing power in the human society and the main predisposition of successfulness.

Aware of this crucial moment, the Senate of the University in Mostar has decided to follow the changes taking place in the high education around Europe, in order to avoid the isolation. The result of such a decision are the modern teaching plans and programmes of our studies, based on the ECTS (European Credit Transfer System).

2. EUROPEAN SPACE OF HIGH EDUCATION

Due to the remarkable achievements in the last few years, the European integration process has become a matter of great relevance and reality to the Community and its citizens. In the meantime, we are witnessing the increasing awareness of the need to establish an integer and wider Europe, and especially the need to strengthen its intellectual, cultural, social, scientific and technological dimensions.

The Europe of Knowledge is now widely accepted as an irreplaceable factor of social and human growth, and an obligatory component of consolidation and enrichment of the European civil law, capable to provide their citizens with necessary competence to face the 21st century challenges, preserving the awareness of the same values and of belonging to the same social and cultural space.

A permanent scientific-technological revolution and evolution of the society demands for everything to be subordinated to increasing and enriching the human knowledge. It has become the key component of the entire life and activity. The land, labour and capital are no longer dominant factors of production. The leading part in the post-industrial development has the human knowledge, acquired observing the existing and theoretically organising the approaching.

We are living in a dynamic community exposed to constant changes, so education and permanent studying should prepare every young generation for active participation and building of better ways of life in such a social environment.

When speaking of the knowledge society maintained through the permanent studying, we refer to the information society in which every progress is achieved through ennobling and widening of the knowledge and information. When speaking of science, education and knowledge in the highly developed environments, regional and world organisations, the emphasis is always on the existing and the future, always in favour of research, innovations, progress and development.

Science and knowledge have created significant innovations for the benefit of the mankind. Technological development and usage of the new energy sources have eliminated the hard labour. A generation of expanding and complex industrial products and processes has been created. A technology based on the new methods of communication, information processing and computer usage, has created the challenges without precedent for the scientific achievements and the entire society...

The experience of the bigger and smaller countries has shown that the desired success is only achieved if everything in the depicted environment is subordinated to the development of the high technology, computer integrated production of goods and easy-approachable digital communication, new materials, new energy sources, microelectronics and nanotechnology. Research and innovations are the foundations of the progress in general, which demands a high level of flexibility, inter-disciplines, preparedness for the constant and unpredictable changes and unknown challenges, dynamics in the globalisation terms and constant scientific-technological progress.

That is the direction that the most developed and most efficient countries in the world have chosen. United Europe organises multinational research programmes for its members and for the countries in the transition process. On European commission proposal, only creating a unique European research space, coordinated by the European science council, can ensure catching up with the developed world.

For us it is important to know that only high technology production and high added values can save the country from being not abreast the times. Key factor of success are, by all means, meneducated to know and motivated to can.

2.1. Education - a path towards the knowledge society

In a society oriented at economics based on the knowledge, in which knowledge becomes the main source of work productivity and first condition of individual's success, the position and the role of education is also changing. Education has to follow the relevant knowledge, which is constantly changing. The modern world is globally facing the problem of adjusting the education system to technology and communication achievements, which offer the new ways of knowledge expansion. Education stops to be a considerably short part of human life preceding the active working age. It is becoming a lifetime activity, the only one capable of keeping the pace with the knowledge expansion. Education is equally important for all, and everyone should be given the opportunity for education.

The aim of education is to prepare the young people for their future professions and constant studying necessary for keeping up with the profession's development, and to raise them as human and critical members of society. With that matter in mind, we should emphasise the fundamental scientific basics of modern techno-informatics development, and also point students' attention to the importance of improving the existing and introducing the new technologies. A special attention should be drawn to foreign languages tuition to enable the communication with the world. The cultural subjects should not be ignored as well, as they form the foundations for the harmonious growth of the person and society. An important role in tuition should be given to interdisciplines and multi-disciplines, as 21st century is definitely going to be a century marked with an increasing connection between humanistic, social, natural, technical and biomedical sciences, as well as connection between science and art. Inter-discipline connections between various subjects should be nourished, as well as inter-discipline connections of fundamental knowledge and its practical appliances.

All over the world the existing interaction of people is increasing on daily basis. Among the reasons for this interaction are scientific achievements and technological innovations in the field of communication, information processing and transmitting. A world market and a world economic connection have been created. In order to preserve their places in the world knowledge network, universities have to be ready for the global interaction on a higher level, and count with mobility of researchers and teachers, global concurrence for staff and sources of financing, but with global cooperation in research and tuition as well. As the world shows the growing need for the high educated experts, universities will have to reasonably expand their teaching capacities and adjust their methods to the world connection, for example: introduce tuition in a foreign language, tuition "at distance" through electronic communication systems, etc.

Knowledge produces knowledge, and the entire process of knowledge production, its technological appliance and innovation and its transmission through tuition is accelerating. The tendency towards inter-disciplines and trans-disciplines is increasing; new combinations of knowledge from various disciplines are arising when solving the same problems. High education cannot be limited to certain preparatory age in life any more. With their grades and diplomas in the basic tuition, universities are less and less capable of guaranteeing the permanent quality of experts

educated in that manner. The demand is for the continuant, lifetime education and organised systematic learning from work experience. The key value criterion of a university is the quality of experts permanently educated at it.

Our first proof of success in the high education shall be meeting the standards of the western and middle European universities, there where we today fall behind, fitting into European scientific space and high education programme. That process is already taking place. We have introduced the first framework documents, as the *Bologna declaration*.

2.2. Bologna process

No matter how different the European countries, or their systems of high education, grown on different national traditions, are, they still share the same or similar problems. The average length of studying, for example, is a problem for everyone: the students stay too long at the university, so they start their professional life reasonably late. The critics of European universities accuse them of being inert and conservative, failing to adjust the fast changes of the modern world. They cannot meet the challenges of the rapid technological development, education they offer is not meeting the demands of society and the entire social life is on the loss. They are overprotected by the national systems of high education, especially in the smaller countries, which eliminates any competition and empowers the spirit of inertia and traditionalism. Division and incompatibility of the national systems of high education are, as well, a great obstruction to the united Europe and its united work market.

Bologna declaration stands for the European answer to these problems. In June 1999, the ministers of education of 29 European countries agreed to start a reform process of high education and signed a declaration at the oldest European university. The result of this process, lasting till 2010, should be the convergent systems of high education in Europe, preserving the national, cultural and language specific qualities. The aim of reform procedures of *Bologna process* is *creating a European space of high education and increasing the international competition of the European universities.*

Vitality and efficiency of one civilisation, as the authors of the *Bologna declaration* are pointing out, could be measured according to how interesting it is to the others. Through the reforms of the Bologna process, European university education should become attractive on the global scale.

Creating a larger European university "market" should make a connecting process between universities easier, but also create a competition between them. That is the only way to make them competitive on a global scale. First of all, through the reforms of the *Bologna declaration*, the academic degrees (diploma, master's degree, doctor's degree), previously differentiated within the national systems of high education, shall be made equal. By equalising the academic degrees on the entire European space, a mobility of individuals with diploma is achieved, but that is not enough. It is necessary to mobilise those still studying as well, for example: to make it possible to start studying in one country, continue in the other, and graduate in the third. That means, that not only diplomas have to be translatable, but the semesters as well. By introducing *the European Credit Transfer System* that shall be made possible.

Recommendation of the *Bologna declaration* is that the basic, diploma study lasts three or four years, preparing students for professional life. Diploma study should last one or two years, with a task of a professional improvement or introduction into the scientific work to be elaborated in the last phase of diploma study-doctor's degree study.

Instead of subjects lasting two semesters, or more, all universities should cross over to the system of half-yearly or trimester course of lectures. Course of lectures that are the nucleus of a profession for certain teaching group, should be obligatory for all students, but there should also be elective course of lectures, which students choose according to their preferences. In this way, the students will be able to get the expected necessary education, but also, already at the pre-diploma study, to refine their knowledge through elective course of lectures, specialise in their profession by choosing a group of similar subjects or acquire useful knowledge from other science disciplines.

The effort that the student undertakes to successfully pass each course of lectures should be precisely measurable and translatable into the total number of working hours-at lectures, preparing for the lectures, writing home works and preparing exams-which can, again be translated into a certain number of credits.

The optimal number of credits during one academic year should be 60. The credits earned in that way could be without complications invested into continuation of studies at another university. At the same time, this solves the problem of the length of studying, which has become chronic in many countries. Attaching the number of credits to the total number of working hours, we can, at the same time, precisely measure the burdening of students during the semester or trimester, in order to rightfully expect from them to fulfil their obligations within the given terms.

Besides students' mobility, *Bologna declaration* insists on the mobility of teachers, associates and researchers. Numbers of international organisations, as well as some universities, have already worked out the mechanisms supporting and encouraging the free mobility throughout the entire European space for all working in the high education.

Up till now, *Bologna declaration* has been signed by 35 ministers of education of European countries, but it clearly states that the organisation and realisation of reform process of high education is totally upon the universities themselves. They are active participants of the reform, not its objects. European legislation insists on the *autonomy* of the university and *deregulation* of high education, so *Bologna declaration* suspects that the universities shall introduce the complex mechanism of *evaluation* and *quality insurance*, because of the fact that university employees are interested in their own survival at the education market. All of this would ensure the continuous self-regulation of the university education with constant adjustment to the new conditions, dictated by the increasing international competition.

2.3. ECTS, what is that?

One of the basic issues that helped universities all over Europe to successfully deal with piled-up questions on harmonisation of the structure in the high education and academic acknowledgement is introduction of the European Credit Transfer System (ECTS). It should make the acknowledgement of the student programmes much easier, together with the mobility of students and teachers. This system has shown the quality improvement of the studies, so it is not surprising that more than 1000 institutions accepted ECTS as the model of recognition of the present or future cooperation.

The mobility of young people, students, assistants, teachers and research teams is the priority of EU. Individual mobility is becoming more important in the age of Internet and economic globalisation. The existence of constant socio-economic, language and practical barriers makes many of the planned academic and professional visits impossible. As the means of achieving the

maximum mobility of students, ECTS was one of the aims of Bologna process, as well as introducing the diploma supplement, designed to increase the international comparability of qualifications.

ECTS is based on accessibility of information on the regime of the studies (study programmes and the means of its realisation) and on the credit system application, using coefficient of burdening to show the overall burdening of the student.

2.3.1. ECTS elements

Cooperation between universities and transfer of the students is possible over the following ECTS elements:

- ECTS university coordinator and their commissioners for particular university.
- ECTS coordinator is a person, who is in contact with ECTS coordinators of other higheducation institutions and ensures the realisation of the ECTS principles and mechanisms. He is in charge of the procedure of the academic acknowledgement of the courses of study given at the partner university and helps understanding other documents.
- ECTS coefficients of burdening of the student, for each course of study in every study programme. Each coarse of study involved in the programme undergoes rating. In one semester, the sum of coefficients of burdening is 30, regardless of the objective difference in the difficulty of studying at different universities. That number of credits shows only that the student met the demands of the native university.
- Information package containing necessary information on the regime of studying, including information on each coarse of study and each study programme.
- Diploma supplement is a document containing all the relevant information describing the qualifications of a student. It helps classifying the objective difference in the difficulty between studies, their programmes and obtained qualifications.
- Contracts between partner institutions and students (application form and contract on studying). These documents make the fluctuation of the students easier, that is, listening and taking the entire semester or its part at the different faculty or even different university. The passed exams are acknowledged on the basis of previous agreement and the signed trilateral Agreement on studies between students, university that accepts the student and the native university.
- Transcript of the passed exams, with grades, and the list of the audited, but not passed courses of study.

2.3.2. ECTS crediting system

According to the instructions of the European commission for ECTS implementation, the principles are the following:

Scoring is conducted "downwards", norming one semester to 30 scores, as opposite to the "upwards" scoring. This means that a certain course is not given an arbitrary value in scores, which would then be summed up for the whole year. Exactly the opposite: each course is given a coefficient of difficulty (a burdening coefficient) expressed in value from one to several thirtieths in semester in which it was taught. The sum of all coefficients for courses of that semester has to be 30, and for the whole year 60 scores. These 30 scores include all the taken courses: obligatory, elective, graded and non-graded ones, because all of them contribute the overall burdening/ difficulty that a student has to overcome within one semester. Regardless of how many courses there are in certain semester and whether they are basic or advanced ones, a certain course is given a

coefficient of difficulty according to the actual burdening of students in that semester only. Burdening of students considers the total time spent to successfully acquire the subject-material and knowledge. This means that not only time spent at lectures, seminars, field work or exercises is taken into account, but also the time spent studying, learning individually and, eg data processing, after the work in laboratory, research and other knowledge tests.

Coefficients of burdening become earned scores after passing the exam and fulfilling all of the requirements of the teaching plan and programme. The coefficients are not absolute criteria for the comparison of the courses from different semesters or different study programmes; they are criteria of student burdening within one semester of the same study programme only. This means that scores are also relative, non-absolute measure of student burdening. When the coefficient sum of all passed courses reaches 30 scores, we can say that student has fulfilled his obligations.

2.3.3. Small ECTS dictionary

ECTS definitions and terminology are not the same in every country. In order to avoid misunderstandings, we have prepared a small dictionary of ECTS terminology, with brief explanations of the terms. It is in agreement with definitions used at the Lisbon recognition convention and Bologna declaration.

- ACADEMIC RECOGNITION refers to recognition of courses, qualifications or diplomas of one (native or foreign) high education institution recognised by the other. It is usually a first step towards new study at another institution (cumulative recognition) or recognition avoiding repetition of certain elements of study (advanced study recognition).
- ACCESS TO HIGHER EDUCATION refers to the right of qualified candidates to apply and be taken into consideration for enrolment on a higher level of education. Access differs from enrolment, when candidate actually participates the higher education programme.
- ACREDITATION is a procedure in which one higher education institution gains the right from another competent authority to give and/or recognise certificates and qualifications. That right could be given by the state, government agency, or some other native or foreign higher education institution.
- **ADMISSION-** an action or a system enabling the qualified applier to follow the studies at a requested institution and programme.
- ASSESSMENT refers to the procedure of determination of educational quality of a certain higher education institution or programme (a written evaluation of external qualification given by competent authority). This term also refers to evaluation of student's capability and skills in the study programme.
- AWARD is used a synonym to qualification. Stands for the real title of recognised qualification.
- **COE-** Council of Europe
- **COMPETENT RECOGNITION AUTHORITY-** the official body, institution or person authorised to make valid and binding decisions on foreign qualifications recognition.
- **COORDINATOR-** the role of university coordinator is to ensure the implementation of ECTS principles and mechanisms. Takes care of academic recognition of courses passed at a partner university and helps understanding other documents.
- **COURSE-** part of the teaching programme, which is usually independent and separately graded. A full study programme normally comprises several courses.
- **CREDENTIAL-** a given recognition, diploma or qualification
- **CREDIT EVALUATOR-** a person or a board evaluating foreign qualifications

- **CREDIT-** coefficient of burdening is the key element of ECTS, making it possible to measure the results of studying achieved in foreseen time at the given level. It measures the total quantity time the student spent studying the subject material, and is assigned to the student after successful finish of the programme.
- **DIPLOMA-** here refers to any normally given qualification, certificate or recognition.
- **DIPLOMA SUPLEMENT-** description of successfully finished studies of the applier, including significant information on the nature of studies, their level and implementation.
- EC- European commission
- ECTS- European Credit Transfer System- designed as a unique system for easier recognition and comparison of the different educational programmes at universities and other educational institutions across Europe. ECTS implementation contributes the mobility of students, teachers and researchers in the European space of higher education. It also presents credit accumulation and transfer, as well as international recognition of the studies abroad.
- ENIC- European National Information Centre on Academic Recognition and Mobility, Council of Europe/ UNESCO.
- FAIR RECOGNITION- principle of making the recognition procedure transparent, coherent and reliable. It is not the identity of studies that should matter, but "acceptability" of the quality and quantity of the programme.
- **FRANCHISE-** a situation in which one institution lets another (national or international) work according to the approved programme, as long as it keeps total control over the contents of the programme, its realisation, grading system and quality maintenance.
- FIELD OF STUDY- main disciplines or thematic fields of qualification.
- **HIGHER EDUCATION-** all subject types, or groups of subjects, exercises or exercises for research, on a level higher than high school, authorised by competent institutions to present their higher education system.
- HIGHER EDUCATION INSTITUTION- a recognised public institution for higher education
- ISCED- International Standard Classification of Education UNESCO
- **KOORDINATOR LEARNING OUTCOMES-** specific intellectual and practical skills adopted and tested by successful accomplishment of a unit, subject or entire programme.
- LEVEL- qualification place in the higher education system. There is, of course, a national qualification hierarchy. The number of levels in the higher education qualifications varies, dependent on countries and/or types of education.
- LEVEL INDICATORS- may go from any basic information on the role of qualification, to the very detailed specific statement on the nature, skills and competences, joined with successfully finished qualification.
- LISBON RECOGNITION CONVENTION- refers to the convention on recognition of the higher education qualifications in the European region, approved in Lisbon in March 1997, by the Council of Europe.
- **MODULE-** detached and coherent block of studying. It is a part of module study programme, where the teaching programme is divided into several segments of similar size.
- NARIC- National Academic Recognition Information Centre (European Union and European Economic Area). Some NARIC offices are authorised for professional recognition.
- **PARCHMENT-** original certificate.
- **PREREQUISITES-** any preconditions that need to be fulfilled or specific subjects passed before appliance to the other programme or part of the programme.
- **PROFESSIONAL RECOGNITION-** refers to the approved right of the qualified applicant to work and professionally exist. In the European union, this recognition is defined as a legal act through which the competent authority in every country member legally recognises the qualification of the applicant, obtained in another country.

- **PROGRAMME OF STUDY-** a group of courses, where different components of each create a complete and compact qualification of higher education. *Programme* also refers to academic fields of study and all requirements, which define the qualification.
- **QUALIFICATION-** higher education qualification: any *degree*, *diploma*, *title* or other *certificate* given by the competent authority, which proves successful ending of the higher education programme.
- QUALITY ASSURANCE- refers to the internal and external procedures that help maintain the academic level of education.
- RECOGNITION- a formal ratification of the quality of foreign education qualification, given by the competent authority, related to the access to education and /or employment. Individual qualifications assessment. Such an assessment could be any kind of statement on the quality of the foreign qualification. Recognition also states what consequences it brings to the applicant.
- **REGULATED PROFESSION-** refers to the professions, the practice of which is somehow regulated by law or administrative regulations. A given profession could be regulated in one state, and in the other not.
- SUPLEMENT- short for *diploma supplement*
- **TRANSCRIPT-** an official document showing student's progress and achievements or end of studies. Many of the educational systems based on credits, use a detailed transcript, showing credits and grades for all the taken courses (eg ECTS transcript)
- **UNESCO/CEPES-** United Nations Educational, Scientific and Cultural Organisation/ European Higher Education Section
- UNIVERSITY- used as a general term for all higher education institutions
- VALIDATION- procedure in which a recognised institution authorised for giving certificates forms a judgement on the quality and standard of the programme of study leading to qualification.

3. UNIVERSITY OF MOSTAR

The tradition of higher education in Mostar and Herzegovina exists from the end of the 19th century. The first school of the university level dates from 1895. It was the Franciscan theology study, at first a four-year, and after 1933 a five-year study, where the last two years were taken at other universities. After the Second World War, this institution has been closed down.

In 1950 a Higher teacher-training school was founded in Mostar, as a predecessor of today's Teacher-training college. In 1959 Mostar gets a Higher engineering school, direction mechanical engineering. After academic year 1970/1971 this school grows into Mechanical engineering faculty of the University in Sarajevo, branch Mostar. One year later, faculties of Economy and Law were founded as well. In 1979 these faculties are no longer under jurisdiction of the University in Sarajevo and Mostar becomes an independent university centre.

In 2002 Mostar and Herzegovina celebrated a 100th anniversary of the Franciscan divinity college, as a root of higher education in this region, and 2007. a 30th anniversary of the University of Mostar. Today, over 15000 students study at nine faculties and Academy of fine arts of the University of Mostar. The educational process proceeds in over 60 groups of study in pre-graduate, and over 30 groups in graduate and post-graduate tuition.

Tuition is held by over 950 professors and assistants, one third of them coming from universities in Bosnia and Herzegovina and Republic of Croatia.

The University of Mostar comprises:

Faculties:

- Agriculture
- Economics
- Civil engineering
- Medicine
- Teacher-training college
- Law
- Mechanical engineering and computing
- Academy of fine arts
- Higher medical school

Institutes for

- Agriculture
- Economics
- Civil engineering
- Croatian language, literature and history
- Law
- Mechanical engineering

Other

- Student centre
- University library
- Student staff

3.1. Contact information

For more information on the University of Mostar please contact Rector's office/Administration building.

Address: Rektorat Sveučilišta u Mostaru (Rector's office, University of Mostar; Administration building) Trg hrvatskih velikana 1 88000 Mostar Telephone: +387 36 310 778; 327 815 Fax: +387 36 320 885 e-mail: mail@sve-mo.ba web site: www.sve-mo.ba



ECTS Guide – University of Mostar

3.2. Academic calendar

At the beginning of each academic year, the university of Mostar publishes the actual academic calendar containing the following information:

- Beginning of academic year
- Schedule of tuition in the winter and summer semester
- Schedule of regular exam terms
- Terms for enrolment and attestation of semesters
- Terms of entrance examinations and enrolment in the first year of college
- Information on holidays and non-working days
- End of academic year

Academic year begins on October 1st of the current year, and ends on September 30th of the following, and is divided into two semesters: winter and summer. Tuition is held within semesters, each of them having 15 working weeks. Examination terms are regular and irregular. Regular are summer, winter and September terms, and irregular are determined by the university members. Normally, there are two irregular exam terms, held in April and October.

3.3. ECTS University Coordinator

University of Mostar pays a special attention to implementation of Bologna declaration. Its principals have already become the part of strategy and development plans of the university. Both university and its member institutions have their ECTS coordinators.

For more information on ECTS at the University of Mostar please contact the following address: Telephone: +387 36 310 778; 327 815

Fax: +387 36 320 885

e-mail: mail@sve-mo.ba

Address: Rektorat Sveučilišta u Mostaru (Rector's office, University of Mostar; Administration building)

Trg hrvatskih velikana 1, 88000 Mostar

3.4. Enrolment procedure at the University of Mostar

When becoming a first-year student of any faculty of the University of Mostar, students can have the status of:

- 1. Regular students under financial support of the portfolio for higher education
- 2. Regular students with own financing
- 3. Irregular students with own financing or under financial support of the institution of firm they are employed in

For each academic year, the Senate of the University decides on the enrolment quota and on the amount of school fee, as suggested by the faculty boards of the member faculties. At the basis of this decision, the University announces a collective tender for the enrolment in the first year of study, where each faculty determines the crucial elements of the entrance examinations:

- Period of application
- Date and time of the entrance examination
- Necessary documents
- Entrance examination fees etc.

4. WELCOME TO MOSTAR!

Mostar, a town of sun and flowers, was mentioned for the first time in the 15th century, in documents from Dubrovnik. A town's foundation is related to the name of the great man Herzeg Stjepan Kosača. Mostar is located in the picturesque valley of the river Neretva, at the foot of the mountain Velež and hills Hum and Čabulja. Throughout the history, this town has open been the meeting point of various civilisations, each of them leaving a strong impact on its development. Today. Mostar is a town with over 100,000 inhabitants political. and а economical. educational, and cultural and sport centre of the Herzegovinian - Neretvan County. North of the town, a field known as Bijelo Polje is located, and southwards another one, Bišće Polje, the town itself is located in the centre of dinaric karst region.



Mostar - a river town

Geographically speaking, the town is located at $17^{0}49^{\circ}$ of eastern longitude and $43^{0}21^{\circ}$ of northern latitude; and lies 70,35 m above the sea level. Although it is deep the continent and surrounded by mountains (Velež 1600 m, Prenj 2155m, Čvrsnica 2228m), the climate is Mediterranean, due to the influence of the Adriatic Sea through the Neretva vally.

The average annual precipitation is 1.395 mm/m² and average annual temperature $15,1^{\circ}C$ (the highest in July and August).

Numerous cultural-historical monuments located in the town's vicinity witness the existence of life in these regions even in the preantiquity.



Mostar - a town of sun-awakening

The river Neretva, spanned by many bridges and flowing through the town's centre, is not the only river in Mostar. The beauties of Radobolja, Buna, Bunica, Jasenica and Drežnjanka also make this corner of the world interesting and attractive to the tourists.



Mostar - a pre-antiquita town

4.1. Weekend and holiday resorts in the vicinity

Anyone ever visiting Mostar and Herzegovina, could definitely not help admiring their beauties and famous sights, gyved in stone, celebrated in poems, and today widely known and recognised oasis of art, culture, education and ethnical treasure.

Mostar and Herzegovina are very rich in holiday resorts, which attract not only domestic, but also foreign tourists. The Adriatic Sea, only 60 km away from Mostar, is the favourite resort of many, especially in the hot summer months.

Two very attractive resorts are are located in Mostar's vicinity. Only 5 km westwards from the town is the spring of Radobolja and 12 km southwards the spring of Buna. Both resorts offer a pleasant stay in the nature and surrounding catering estabushments. In the vicinity of these resorts are the cultural-historical monuments witnessing the long history of Mostar, e.g. the fortification of Herzeg Stjepan Kosača, Basilica in Cim etc.



Mostarsko blato

Hutovo blato (40 km away from Mostar) in the immediate vicinity of Čapljina, is a famous weekend resort, hunting-ground and ecological park of nature. Approximately 5000 ha of the hunting-ground and park was found to be a place with excellent life conditions in the winter months for about 228 bird species. The resort is fully equipped for stay and hunting. In the waters of Hutovo blato, the most common catch are eel, carp, but also sea-fish as sole, sea-bass, grey mullet etc.



The resort **Mostarsko blato** is about 10 km westwards from Mostar, direction Široki Brijeg. Oval shaped alluvial terrace, cut through by the flow of the river Lištica, in the backwaters of which various plant and animal species have found their shelter, offers the visitor a pleasant relaxation in the intact nature.



Hutovo Blato

Kravice waterfalls, on the river Trebižat, are located 45 km southwest from Mostar, near Ljubuški. In the summer months favourite resort of home and foreign tourists. Catering establishments, houses for tourists and camping places are to be found in the vicinity.



Ski center at Risovac

Neum, a town located at the Adriatic highway between peninsula Pelješac and the mainland, is a town with the greatest number of the sunny days in year. Its beaches and the sea are always clean. A special mud-beach is used for treatment of rheumatism. Today, Neum has the touristic capacity of about 5000 beds, in hotels, motels, villas and private accommodation.

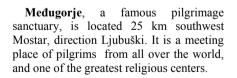


Kravice

During the winter months, especially attractive place is Blidinje plateau, with nature park Blidinje. Ski centre at Risovac and extraordinary beauty of the intact nature pit tract tourists during all seasons.



Neum- town of sun





Međugorje

In Mostar surroundings there are even more weekend resorts, like: Rujište on Prenj (20 km on 1050 m above sea level), Počitlj (30 km southwards) – a museum – town, Mogorjelo and Struga near Čapljina, Radimlja near Stolac etc.

If you want to find out more about Mostar: www.mostar.comm and www.mostar.ba

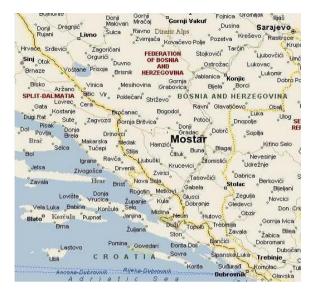
4.2. Arrival to Mostar

Mostar is located 120 km southwards of Sarajevo, the capital of Bosnia and Herzegovina (possible means of transportation. Train, airplane, bus or personal vehicle).

Arrival from Sarajevo – the ride lasts $2^{h}30'$ (by bus or PV)- entrance into town from north, over customs bridge (carinski most).

Arrival from Split (Croatia) -3^{h} (by bus or PV), possible entrance from west and south.

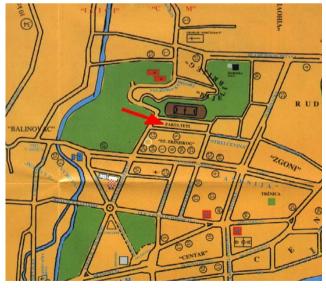
Arrival from Dubrovnik (Croatia) - 3^h (by bus or PV) south entrance.



, Split, Dubrovnik) can be reached by plane from bigger European centres. There are direct flights to Mostar, especially during the season (from april to September). Transportation from the airport, bus or train station is also possible.

4.2.1. Orientation in campus

Looking at the town map, you can find your way to the campus.



Possible entrances into the campus and the University of Mostar are from the Kralja Petra Krešimira IV. Street and Stjepana Radića Street.



Entrance into the campus of the University of Mostar from Stjepana Radića Street



Entrance into the campus of the University of Mostar from Kralja Petra Krešimira IV. Street

4.2.2. Accommodation

It is not always an easy job for a student to find accommodation. You can ask for help at the international office in the students' centre building (SCM). For more Details:

Studentski centar Stjepana Radića 84a, 88000 Mostar Tel/Fax: +387 36 315 364

4.2.3. Practical information and general conditions of student life at the University of Mostar

- 1. Administrative and police formalities related to the residence in our country, town a) Attestation on accommodation of the student
 - If a student lives in a students' home, the attestation is released by the students' centre Mostar (SCM)
 - If a student lives in a rented flat, the owner signs a statement/form (available in the MUP stone building) on rent, if all the documents on the ownership are regular.
 - b) Attestation on regular studying
 - Available in faculty's section
 - Copy of the passport (pages containing the picture and personal information)
 - Payment of 25 KM at the transfer account of MUP (available in the stone building)
 - Submission of all these papers to the room 100, stone building MUP.

2. Price and conditions of renting a flat, accommodation...

a) Accommodation in students' home (SCM Mostar)

- There are two pavilions: old (1st and 2nd year students) and new (3rd, 4th ... year students and apsolvents).
- Accommodation organised in double or three-bedded rooms,
- Old home has collective bathrooms and toilettes, the new one has a bathroom for each room,
- Nourishment is organised in the student restaurant, and includes two meals: lunch and dinner,
- Accommodation fee in both homes is, momentarily, 50 KM + 20 obligatory meal tickets (Worth 30 KM),
- Price of 1 individual meal ticket is 1,5 KM.

b) Accommodation in a rented flat

• The price of this accommodation type depends on the location, an average price for one bedroom flats is around 300 KM + overhead expenses, or 400-500 KM for two-bedroom flats + overhead expenses. These prices refer to furnished flats, there is also a possibility of accommodation in the so-called "flatlets" (bachelor flats), where the price is around 150 KM.

3. Health insurance: Insurance policy, medical services

- The student board of the University of Mostar has given a proposal for organising the surgery for students, the realisation of which soon expected.
- Regular students have medical protection in the medical centre Mostar and other medical institutions in Mostar.

- 4. Studying instruments: Libraries, specialised laboratories
 - Most faculties have own libraries
 - Reading-rooms at faculties can also be used for studying or reading the literature that can not be taken out.
 - University library is located very near the administration building of the University.
 - Public library is located in the building of Croatian culture home "Herzeg Stjepan Kosača"

5. Other practical information

ISIC (International student identity card) is the only internationally recognised document on the student status, available in over 100 countries. ISIC membership advantages: Lower prices of plane tickets, discounts when travelling by bus or train, cheaper accommodation in youth-hostels, discounts in some shops etc. There is also ITIC (International Teacher Card) for professors and assistants, offering similar advantages these cards are available at the office of student board (Amphitheatre tel: 00 387 36 311 347), the price is 12 KM. You need to bring your photo and proof that you are a student. Information on: <u>www.isac.org</u> SMART card is a recent project of the student status inside bosnia and Herzegovina, and by that using the above mentioned advantages spending up the work of student services at faculties etc. This card is also available at the office of student board (Amphitheatre), costs 7 KM + photo and proof of the student status.

4.2.4. Practical advice

a) Life expenses

Foreign students should count with amount between 150 KM (accommodation in SCM) and 400 KM (private accommodation). These prices do not include overhead expenses (electricity, water communal services...) and telephone (50-100 KM). They also need to plan extra 100 KM monthly for food. These expenses do not include personal ones, which depend on the life style and demands of each student. So, foreign students should have at disposal 300-800 KM, depending on what they want.

b) Banks

In the most of the banks in Mostar (UniCredit Zagrebačka, Reiffeisen, Hypo Alpe Adria bank...), you can open an account for the period of the you planto spend in Bosnia and Herzegovina. All banks including Poštanska banka (Post Bank), offer approximately the same favours for students. Most of these banks have bankomats. The opening hours Banks on working days : 08:00 - 19:00, Saturdays 08:00 - 12:00. Sundays closed.

c) Local and long-distance traffic

Mostar has a developped traffic in the town itself, but also to the places in the surrounding area (Buna, Ilići, Cim, Bijelo Polje, Široki Brijeg, Međugorje, Stolac, Čapljina etc.) Most of the destinations and locations in the company "Autoprijevoz" Mostar, with special student discount. All information on the local traffic available at tha address: Autoprijevoz Mostar S. Radića 39 88000 Mostar Tel: +387/36/316-536; 316-535

d) Insurance

It is mentioned that every student needs to have a health insurance. There are numerous life insurance companies in Mostar with basically similar conditions (Sunce osiguranje, Hercegovina o., Croatia o. Etc)

e) Sienificant telephone numbers

Police	122
Fire Department	123
Energency	124
Exact time	125
Traffic services	128
Bus information	+387/36/312-286
Information centre	+387/36/320-409
Airport Mostar	+387/36/350-212

4.2.5. Activities outside the Faculty and Leisure Time Activities

While studying, you can also spend a part of your time at cultural, fun and sport activities. In the following text you can find information on some of these activities in Mostar, and we are sure that by getting to know Mostar, you will soon find in it everything of your interest.

Croatian culture home "Herzeg Stjepan Kosača" is the centre of cultural activities in Mostar, where most of the entertainment programmes, book promotions, exhibitions, festivals etc. Take place. It is located at the Square Hrvatskih velikana, known as Rondo.

In the vicinity are also Croatian public theatre and puppet theatre, performing plays throughout the whole year, offering you pleasent moments spent with actors from Mostar and their quests.

At the Riondo Square you can visig Galeries "Katarina Kosača" and "Martino" and enjoy the exhibitions of artists from Mostar, Bosnia and Herzegovina, Croatia etc. Some other Galeries are "Calamus" in Splitska street, "Aluminij" galery ando Galery in the old town.

If you are in for a good film, you can visit the "Croatia" cinema, located in the University campus, and also Mostar – Film in Šantićeva street.

"The night life" in Mostar is rich, and we can only count some of the options:

- Croatian home"Herzeg Stjepan Kosača" Disco nights
- Students' Centre Pavarotti
- Spanish Square is often a stage for concerts, Plays, performances etc.
- The student bord often organises student partys in caffe "Di Trevi" (SCM Mostar)
- Every year, a football championship is organized and it is planned that other sports should be involved as well
- Some faculties organise specialised excursions, where students can visit interesting plages and see things interesting to their profession
- Some faculties also organize their evenings, like medicine, civil engineering etc.
- The student boart often organises evenings of young artists, where students have the chance po present their work.

• As far as the sport life is concerned, all clubs in town are willing to accept new members, if they possess certain quality. Sport grounds in campus are at the students' disposal and they meet there for basketball and football.

Besides all dus, Mostar has a great number of coffee bars, garden restaurants, where cultural and entertainmbent events are occassionally organised.

Mostar and Herzegovina have always had masterly poets, so, in the end, we must mention the traditional betic manifestations. Among many, the most significant are:

- "Šimićevi susreti" (Poet Antun Branko Šimić) traditional poetic manifestation Drinovci – Grude
- "Slovo Gorcina" traditional poetic manifestation Radimlja Stolac
- "Šantićeve večeri poezije" (Aleksa Šantić) traditional poetic manifestation old Town -Mostar

STUDIES AT THE FACULTIES OF THE UNIVERSITY OF MOSTAR

5.1. FACULTY OF AGRICULTURE AND NUTRITION

At the Faculty of Agriculture and Nutrition in Mostar students enrol into Bachelor Study of Agriculture and Nutrition., In their second year study of agriculture they can select one from four majors:

Agroeconomics Plant production Zootechnique General major

Degree: Bachelor of agriculture or nutrition Master of agriculture

Duration: 3 +2 (bachelor and master study)

Status of study: Full time study

Entry requirements:

Undergraduate study: Finished 4 year Second School. All the applicants who graduated from second school with at least 3.0 averages GPA and above don't have to take any exams since they are automatically put on an enrolment list according to their high school grades. The applicants who finished adequate second school, but their average grade was less than 3.0, as well as the applicants who finished inadequate second school for this college, must undergo the testing in chemistry and biology.

Graduate study: successfully finished undergraduate study -180ECTS

Contact information:

Address: Agronomski fakultet Kralja Zvonimira 14 88000 Mostar Telephone: +387 36 320 233; 325 015 web site: www.sve-mo.ba/af

5.1.1. Undergraduate study

I and II semester common for all majors:

T - basic module OS - compulsory module IS - optional module

Modules	Status	Lecture	ECTS
		hours	
1. Chemistry	Т	60	6
2. Principles of animal breeding	Т	60	6
3. Agricultural zoology	Т	60	6
4. Mathematics	Т	30	3
5. Agroclimatologic	Т	30	3
6.Information technologies in Agriculture	Т	30	3
7. Elements in Agricultural Machinery	Т	30	3
8. Physical Education	Т	30	0

I. SEMESTER

Modules Status Lecture ECTS hours				
1. Foreign language	Т	30	0	
2. Biochemistry	Т	60	6	
3. Principles of plant growing	Т	60	6	
4.Agricultural botany	Т	60	6	
5. Bases of agricultural economics	Т	60	6	
6. Biometrics	Т	60	6	

II SEMESTER

MAJOR: GENERAL

III SEMESTER			
Modules	Status	ECTS	Lecture hours
1.Pedology	0	6	60
2. Microbiology	0	3	30
3.Genetics	0	6	60
4.Plant physiology	0	6	60
5.Land reclamation	0	3	30
6. Anatomy and physiology	0	3	30
7. Mechanization of agriculture	0	3	30

IV. SEMESTER

Modules	Status	ECTS	Lecture hours
1. General fruit growing	0	3	30
2. Viticulture and viniculture	0	6	60
3. Vegetable growing	0	6	60
4. Basics of Agriculture	0	6	60
5. Gardening	0	3	30
6. Enthomology with phytopharmacy	0	6	60

V. SEMESTER

Modules	Status	ECTS	Lecture hours
1.Plant breeding	0	6	60
2. Livestock	0	3	30
3. Fishery	0	3	30
4. Phytopatology with phytopharmacy	0	6	60
5. Special fruit growing	0	6	60
6. Plant Nutrition	0	6	60

VI. SEMESTER

Working out of final work (6 ECTS)Take 12 ECTS from list of other majors and 12 from this list:

Module	Status	Lecture	ECTS
		hours	
1. Domestic Animals' health protection	IS	30	3
2. Agroecology and environment protection	IS	60	6
3.Procedures and equipment in processing of	IS	60	6

agricultural products			
4. Marketing of agricultural products	IS	60	6
5. Dairy	IS	60	6
6. Specialized zootechnology	IS	60	6
7. Domestic animals feeding	IS	60	6

MAJOR: ZOOTECHNIQUE

III. SEMESTER					
Modules	Status	ECTS	Lecture hours		
1. Animal feeding	OS	6	75		
2. Microbiology	OS	3	45		
3. Anatomy and Physiology of domestic animals	OS	6	75		
4. Principles of genetics and selection	OS	6	75		
5. Forage Plants Production	OS	6	75		
6. Livestock Reproduction	OS	3	45		

IV. SEMESTER Modules ECTS Status Lecture hours 1. Poultry production OS 3 45 2. Sheep breeding OS 6 75 3. Fishery OS 75 6 4. Cattle breeding OS 6 75 5. Goat breeding OS 6 75 6. Pig production OS 3 45

V. SEMESTER

Modules	Status	ECTS	Lecture hours
1. Zoohygiene and animals' health	OS	6	75
protection			
2. Objects and devices in livestock	OS	3	45
3. Quality and processing of meat	OS	6	75
4. Milk and milky products	OS	6	75
5. Mechanisation in zootehnique	OS	3	45
6. Optional module (1 or 2 modules)	IS	6	75

VI. SEMESTER

Select 12 ECTS – creditc from offered modules, and 6 ECTS – credits for working out of final work and 12 ECTS from optional modules of other majors

Modules	Status	ECTS	Lecture hours
Optional modules of major			
1. Ecological zoo-techniques	IS	6	75
2. Management of zootechnical economies	IS	6	75
3. Marketing and market of animal products	IS	3	45
4. Forage Production on Karst	IS	6	75
5.Cost and calculations in zootechnique	IS	3	45
6. Hunting and cynology	IS	6	75
7. Beekeeping	IS	6	75
8. Autochthonous animal products	IS	6	75

Optional modules of Zootechnique for students	of other majors (obligatory select 12 ECTS
credits)	

Modules	Status	ECTS	Lecture hours
1.Specialized zootechnology	IS	6	75
2. Domestic animals feeding and forages production	IS	6	75
3. Hunting and cynology	IS	6	75
4. Beekeeping	IS	6	75

Major: PLANT SCIENCE

III. SEMESTER			
Modules	Status	ECTS	Lecture hours
1. Microbiology	OS	3	30
2. Genetics	OS	6	60
3. Pedology	OS	6	60
4. Plant physiology	OS	6	60
5. Plant nutrition	IS	6	60
6. Mechanisation in plant production	OS	3	30

IV. SEMESTER

Modules	Status	ECTS	Lecture hours
1. Fruit growing	OS	6	60
2. Viticulture	OS	6	60
3. Vegetable growing	OS	6	60
4. Plant breeding	OS	6	60
5. Crop production	OS	6	60

V. SEMESTER

Modules	Status	ECTS	Lecture
			hours
1. Floriculture and decorative plants	OS	6	60
2. Enthomology with phytopharmacy	OS	6	60
3. Enology	OS	6	60
4. Phytopatology with phytopharmacy	OS	6	60
5. Land reclamation	OS	6	60

*Optional module from I group of modules

VI. SEMESTER

Select 12 ECTS – credits from offered modules, and 6 ECTS – credits for working out of final work and 12 ECTS from optional modules of other majors

Optional modules of major (1 st group):	Status	ECTS	Lecture hours
1. Greenhouse vegetable production	IS	3	30
2. Marketing and market of agricultural products	IS	3	30
3. Mediterranean fruit growing	IS	6	60

4. Management of plant production farm	IS	6	60
5. Plant protection in greenhouses	IS	3	30
6. Procedures and equipment in processing of agricultural products	IS	6	60
7. Costs and calculations in plant production	IS	3	30
8. Plant propagation	IS	6	60

Optional modules of Plant production for students of other majors (obligatory select 12 ECTS credits)

Modules	Status	ECTS	Lecture hours
1. Plant protection from pests	IS	6	60
2. Principles of agroecology	IS	3	30
3. Management of organic matter in agriculture	IS	6	60
4. Cereal grains, leguminous, industrial and forage plants production	IS	6	60

MAJOR: AGROECONOMICS

III. SEMESTER

Modules	Status	ECTS	Lecture
			hours
1. Basics of Economic Theory	OS	6	60
2. Eonometrics methods	OS	6	60
3. Plant production	OS	6	60
4. Livestock	OS	6	60
5. B&H management	OS	6	60

IV. SEMESTER

Modules	Status	ECTS	Lecture hours
1. Agrarian and rural policy	OS	6	60
2. Costs and calculations	OS	6	60
3. Market of agricultural products	OS	6	60
4. Agrarian marketing	OS	6	60
5. Agrarian business and management	OS	6	60

V. SEMESTER				
Modules	Status	ECTS	Lecture hours	
1. Rural development	OS	6	60	
3. Agriculture planning	OS	6	60	
4. Rural sociology	OS	6	60	
5. Economy of agricultural production	OS	6	60	
5. Optional module (1 or 2 modules)	IS	6	60	

VI. SEMESTER

Select 12 ECTS – creditc from offered modules, and 6 ECTS – credits for working out of final work and 12 ECTS from optional modules of other majors

Modules	Status	ECTS	Lecture hours
1. Agrarian bussiness	IS	3	30
2. Banking and loans in agriculture	IS	3	30
3. Cooperative system	IS	3	30
4. Agrarian legislature	OS	6	60
5. Direct marketing and processing on family farm	IS	6	60
6. Finances and financial management	IS	6	60

Optional modules of Agroeconomics for students of other majors

Modules	Status	ECTS	Lecture hours
1. Market of agricultural products	IS	6	60
2. Agrarian and rural policy	OS	6	60
3. Costs and calculations	OS	6	60

5.1.2. Study of Nutrition

Semester	code	Course	Р	S	V	ECTS
Ι	FT111	Chemistry I	4	2	2	10
Ι	FT112	Mathematics I	3		2	6
Ι	FT113	Technical physic	3	1	1	6
Ι	FT114	Biology	3		2	6
Ι	FT115	Foreign language	1		1	2
Ι	FT116	Physical education			2	
<u>Total</u>			14	3	10-2	
<u>Total</u>			25			30,0

Semester	code	Course	Р	S	V	ECTS
II	FT121	Chemistry II	3	1	3	8
II	FT122	Mathematics II	2		2	5
II	FT123	Engineering thermodinamics	3		2	6
II	FT124	Elements of machines	3		2	6
II	FT125	Basis of informatics	2		1	3
II	FT115	Foreign language	1		1	2
II	FT116	Physical education			2	
<u>Total</u>			14	1	13-2	
<u>Total</u>				26		30,0

Semester	code	Course	Р	S	V	ECTS
III	FT211	Physical chemistry	3		2	5,5
III	FT212	Microbilogy	3		2	5,5
III	FT213	Engineering	4		2	7
III	FT214	biochemistry	4		2	7
III	FT215	Biostatics	1		1	3

III	FT216	Foreign language	1		1	2
III	FT217	Physical education			2	
<u>Total</u>			16		12-2	
Total			27 30,			30,0

Semester	code	Course	P	S	V	ECTS
IV	FT221	Science about nutrition	3			4,5
IV	FT222	Microbilogy of food	3		2	5,5
IV	FT223	Quality control of food	3		3	6
IV	FT224	Package and packing	2		1	3
IV	FT225	Stuff of animal source	2		1	3
IV	FT226	Stuff of vegetable source	3		1	5
IV	FT216	Instrumental methods of analysis	2		1	3
IV	FT217	Physical education			2	
UKUPNO			17		9-2	
SVEUKUP	NO		26			30,0

Semester	code	Course	Р	S	V	ECTS
V	FT311	Processes in nutrition industry	3	1	2	7
V	FT312	Tehnology of water and finish of	3		1	
		refuse water				5
V	FT313	Chemistry of food	3		1	5
V	FT314	Measurement and control of	3		1	
		processes				5
V	FT315	Hygiene and sanitation	2		2	4
V		Praxis			6	4
Total	-	·	15	1	11	
<u>Total</u>				27		30,0

Semester	code	Course	Р	S	V	ECTS
VI	FT321	Technological project	2		2	4
VI	FT322	Technology remake stuff of vegetable source	5		2	8
VI	FT323	Technology remake stuff of animal source	3		2	4
VI		Elective course I				
VI		Elective course II				
VI		Elective course III				
VI		Elective course IV				min 14
<u>Total</u>						
<u>Total</u>						30,0

ELECTIVE COURSES:

Course	Р	V	ECTS
Technology of grain	3	2	5
Technology of fruits and vegetable	3	2	5
Technology carbonhydrate and conditorial products	3	2	5
Technology of wine	3	2	5
Tehenology of oil and fat	3	2	5
Technology of meat and fish	3	2	5
Technology of milk and dairy products	3	2	5
Production of strongdrinks	2	1	2
Salt and aromatic herbage	2	1	2
Senzorical analysis	2	1	2
Toksikology of food	2	1	2
Ekology	2	1	2
Bussines in nutrition	2	1	2
Marketing of agricultural products	2	1	2
Quality management of food security	2	1	2

5.2. FACULTY OF ECONOMICS

At the Faculty of Economics University of Mostar students enrol into undergraduate and graduate study of economics, and in their second year they can select one from six majors:

Finance Marketing and trade Business informatics Management Accounting and finance Marketing

Degree: Bachelor of economics

Master of economics **Duration**: 3 +1+1 (bachelor and master study) **Status of study**: Full time and part time study **Entry requirements: Undergraduate study:** General college entrance requirements with additional qualifications in Mathematics, Informatics and Croatian language. *Graduate study:* successfully finish undergraduate study - 240 ECTS

Contact information:

Address: Ekonomski fakultet Matice Hrvatske b.b. 88000 Mostar Telephone: +387 36 355 100; e-mail:mail@ef.sve-mo.ba web site: www.sve-mo.ba/ef

5.2.1. Undergraduate studies

No.	Study programmes	Course	Weekly P+V	Type ¹ (ZO,SO,SI)	ECTS
1.	All	Principles of economics	4+2	ZO	8
2.	All	Mathematics	3+3	ZO	7
3.	All	Informatics	3+2	ZO	7
4.	All	Commercial and Corporate low	3+2	ZO	6
5.	All	Foreign language I	2+1	ZO	2
		Total	15+10=25		30

I SEMESTER

¹ Legend : ZO – obligatory course (for all study programmes), SO – specialized (obligatory) course related to study programme, SI – elective course related to study programme

Faculty of Economics

II SEVIES I ER								
No.	Study programmes	Course	Weekly P+V	Type (ZO,SO,SI)	ECTS			
1.	All	Microeconomics	4+2	ZO	8			
2.	All	Statistics	3+3	ZO	8			
3.	All	Sociology	3+1	ZO	5			
4.	All	Business organisation	3+2	ZO	7			
5.	All	Foreign language II	2+1	ZO	2			
		Total	15+9=24		30			

II SEMESTER

III SEMESTER

No.	Study programmes	Course	Weekly P+V	Type (ZO,SO,SI)	ECTS
1.	All	Entrepreneurship	2+2	ZO	5
2.	All	Accounting	4+2	ZO	8
3.	All	Macroeconomics	4+2	ZO	8
4.	All	Financial management	4+2	ZO	7
5.	All	Foreign language III	2+1	ZO	2
		Total	16+9=25		30

IV SEMESTER

No.	Study programmes	Course	Weekly P+V	Type (ZO,SO,SI)	ECTS
1.	All	Marketing	4+2	ZO	8
2.	All	Public finance	3+1	ZO	7
3.	All	Management basics	3+1	ZO	7
4.	All	Seminar work	2+0	ZO	2
5.	Finance Marketing and trade Business informatics Management Accounting and finance Marketing	Personal finance Consumer behavior Data management Operations management Financial accounting Consumer behavior	2+2	SO	6
-		Total	14+6=20		30

	V SEMESTER							
No.	Study programmes	Course	Weekly P+V	Type (ZO,SO,SI)	ECTS			
1.	All	Monetary theory and policy	2+2	ZO	6			
	All	Financial institutions and	3+1	ZO	6			
2.		markets	-	_	-			
	Finance	Bank management						
	Marketing and trade	Marketing research						
3.	Business informatics	Business information systems	2+2	SO	6			
3.	Management	Human resource						
		management						
	Accounting and	Cost accounting						
	finance Marketing	Consumer behavior						
	Finance Marketing and trade	Stock exchanges Promotion						
	Business	Business application	2+2	SO	6			
4.	informatics	development						
	Management	Business decision making						
	Accounting and	Accounting information						
	finance	systems						
	Marketing	Promotion						
	Finance	Investment banking						
		Financial mathematics						
	Marketing and	Customer Relationship						
	trade	Management (CRM)	2.12	CT.	4			
	Deiner	Distribution channels	2+2	SI	4			
	Business informatics	Informatisation of business processes						
	mormatics	Accounting information						
5.		systems						
	Management	Non-profit management						
		Environmental management						
	Accounting and	Stock exchanges						
	finance	Financial mathematics						
	Marketing	Marketing of non-profit						
	-	organizations						
		Distribution channels						
6.		Optional course from other	2+2	SI	2			
		study programme	12:11:21		20			
		Total	13+11=24	ļ	30			

V SEMESTER

3.	Study Programmes All All Finance Marketing and trade Business informatics Management Accounting and finance	CourseInternational economicsDemography with economicsBH Tax systemTrade and trade policy ProgrammingManagement of economic security BH BH Tax system	Weekly P+V 4+2 3+1 2+2	Type (ZO,SO,SI) ZO ZO SO	ECTS 8 6 6
3.	All Finance Marketing and trade Business informatics Management Accounting and finance	Demography with economics BH Tax system Trade and trade policy Programming Management of economic security BH	3+1	ZO	6
3.	Finance Marketing and trade Business informatics Management Accounting and finance	economics BH Tax system Trade and trade policy Programming Management of economic security BH			
3.	Marketing and trade Business informatics Management Accounting and finance	BH Tax system Trade and trade policy Programming Management of economic security BH	2+2	SO	6
]	Marketing	International marketing			
4.	Finance Marketing and trade Business informatics Management Accounting and finance Marketing	Local finance Accounting of financial institutions Procurement management Business decision making Distributed systems management E-business Organizational behavior Business information systems Accounting of small and medium size enterprises (SMEs) Accounting of financial institutions Price management	2+2	SI	4
5.	Finance Marketing and trade Business informatics Management Accounting and finance Marketing	Services marketing Financing public services International aspects of taxation Services marketing Personal selling and negotiations Business decision making Business forecasting Investment analysis Statistical methods for management Personal finance Financing public services Internet marketing Public relations	2+2	SI	4
6.	All	Project	2+0	1	2
		Total	15+9=24		30

VI SEMESTER

VII SEMESTER Weekly Type ECTS						
NT.	G(J	C	wеекіу Р+V	Type	ECIS	
No.	Study	Course	P+V	(ZO,SO,SI)		
<u> </u>	programmes					
1.	All	Economic policy	3+1	ZO	6	
2.	All	Quantitative models and	2+2	ZO	6	
<i>2</i> .		methods in economy				
	Finance	Insurance and risks				
	Marketing and	Wholesale and retail				
	trade	business				
	Business	Algorithms and data	2+2	SO	6	
3.	informatics	structure				
5.	Management	Strategic management				
	Accounting and	Bank management				
	finance					
	Marketing	Personal selling and				
	-	negotiations				
	Finance	Liquidity management				
	Marketing and	International marketing				
	trade	5				
	Business	Document management in				
	informatics	business	2+2	SO	6	
4.	Management	Fundamentals of business				
	c	analysis				
	Accounting and	Management accounting				
	finance	5 5				
	Marketing	Business-to-business				
	U	marketing				
	Finance	Contemporary financial				
		markets				
		English for finance				
	Marketing and	Information systems in				
	trade	trade				
		Commodity exchange	2+2	SI	4	
	Business	Software engineering				
5.	informatics	Strategic management				
Э.	Management	Quality management				
	C	Methodology of				
		organizational design				
	Accounting and	Tax accounting				
	finance	Insurance and risks				
	Marketing	Statistical methods for				
		management				
		Marketing communication				
6.		Optional course from other	2+2	SI	2	
		study programme				
		Total	13+11=24		30	
			13+11=24		30	

VII SEMESTER

Faculty of Economics

VIII SEMESTER

		VIII SEMESTEK	Weekly	Туре	ECTS
No.	Study programmes	Course	P+V	(ZO,SO,SI)	Leib
1.	All	International Business	3+1	ZO	6
1.	Finance	Monetary analysis	5.1	20	0
	Marketing and	Marketing strategy			
	trade			~ ~	
	Business	Decision support systems	2+2	SO	6
2.	informatics				
	Management	Corporate governance			
	Accounting and	Auditing			
	finance				
	Marketing	Marketing strategy			
	Finance	Fiscal policy in the EU			
	Marketing and	Trade management			
	trade	_			
	Business	Business intelligence	2+2	SO	6
3.	informatics	_			
	Management	Project management			
	Accounting and	Fiscal policy in the EU			
	finance				
	Marketing	Product management			
	Finance	Management of			
		institutional investors			
		Accounting of small and			
		medium size enterprises			
		(SMEs)			
	Marketing and	Quality management			
	trade	Analysis of financial	2+2	SI	4
		statements			
	Business	Analysis of financial			
4.	informatics	statements			
4.		Quality management			
	Management	Business ethics			
		International management			
	Accounting and	Monetary analysis			
	finance	Contemporary financial			
		markets			
	Marketing	Customer Relationship			
		Management (CRM)			
		Analysis of financial			
		statements			
	Finance	Financial law			
5.		Models of special purpose			
		financing			
	Marketing and	Business-to-business			
	trade	marketing	2+2	SI	4
		Economics of electronic			
		commerce			

Faculty of Economics

	Business	Information systems audit			
	informatics	Artificial intelligence			
	Management	Business forecasting			
	-	Decision support systems			
	Accounting and	Analysis of financial			
	finance	statements			
		Internal audit			
	Marketing	Project management			
		Business ethics			
6.		Optional course from other	2+2	SI	4
		study programme			
		Total	13+11=24		30

5.2.2. Graduate studies

IX SEMESTER

No.	Study	Course	Weekly P+V	Type (ZO,SO,SI)	ECTS
	programmes	T ' 1 1'			
	Finance Marketing and trade	Fiscal policy Business research			
1.	Business informatics	Business data management			
1.	Management	Business process management	2+2	SO	6
	Accounting and finance	Fiscal policy			
	Marketing	Business research			
	Finance	International financial management			
	Marketing and trade	Brand management			
•	Business	Systems for business	2+2	SO	6
2.	informatics	process management			
	Management	Leadership			
	Accounting and	International financial			
	finance	management			
	Marketing	Brand management			
3.	Finance	Monetary policy in the EU Financial series modeling			
	Marketing and trade	Advanced forms of international business Consumer protection			
	Business informatics	Knowledge discovering in data bases Internet business technologies	2+2	SI	4

Faculty of Economics

Faculty of Economics								
	Management	Law of international trade Business strategy						
	Accounting and finance	Responsibility accounting Financial reporting and auditing						
	Marketing	Marketing innovations Decision-making in marketing						
	Finance	Public debt management Corporate governance						
	Marketing and trade	Sales management Marketing of small and medium enterprises (SMEs)	2+2	SI	4			
	Business informatics	Simulation games for management ICT management						
4.	Management	Strategic human resource management Change management						
	Accounting and finance Marketing	Public debt management Corporate governance Sales management Marketing of small and						
		medium enterprises (SMEs)						
5.		Optional course from other study programme	2+2	SI	6			
6.	All	Project	4+0		2			
		Total	12+10=24		30			

X SEMESTER

No.	Study Programmes	Course	Weekly P+V	Type (ZO,SO,SI)	ECTS
1.	All	Science methodology	4	ZO	4
2.	All	Critical essay		ZO	4
3.	All	Master thesis and exam		ZO	22
		Total			30

5.3. FACULTY OF MECHANICAL ENGINEERING AND COMPUTING

Students at the Faculty of Mechanical engineering and computing University of Mostar are educated, within university and professional studies, in the fields of:

mechanical engineering and

computing.

In the third semester students of mechanical engineering chose one of the following majors:

Production engineering, Construction design Industrial engineering and Mechatronics.

Degree:

Mechanical engineering: Bachelor of mechanical engineering Master of mechanical engineering

Computing: Bachelor of computing Master of computing

Duration:

Mechanical engineering: 3,5 +1,5 (bachelor and master study)

Computing: 3+2 (bechelor and master study)

Status of study: Full time study

Entry requirements:

Undergraduate study: General college entrance requirements with additional qualifications in Mathematics and Physics only for computing study.

Graduate study: successfully finish undergraduate study - 210 ECTS for mechanical engineering and 180 for computing

Contact information:

Address: Fakultet strojarstva računarstva Matice Hrvatske b.b. 88000 Mostar Telephone/fax: +387 36 322 358; 314 039; e-mail:strojarski.office@fsr.ba web site: www.fsr.ba

5.3.1. Undergraduate study of Mechanical Engineering

I SEMILS I EK				
Code	Course	P+V	Exam	ECTS
ZKT101	Mathematics I	4+4	1	9
ZKT102	Mechanics I	3+2	1	7
ZKT103	Physic	3+3	1	6
ZKT104	Technology and Socitey	2+0	*	3
ZKT105	Engineering graphics and CAD	2+3	*	4
ZKT106	Physical Education	0+2	0	1
	Total	14+12=26	3	30

I SEMESTER

II SEVIESTER				
Code	Course	P+V	Exam	ECTS
ZKT107	Mathematics II	4+4	1	9
ZKT108	Computer Aided Design	1+2	*	4
ZKT109	Material Science	4+3	1	7
ZKT110	Mechanics II	3+2	1	6
ZKO111	Basic of management	2+1	*	3
ZKO112	Physical Education	0+2	0	1
	Total	14+12=26	3	30
	Total	14+12 20	5	50

II SEMESTER

* continuos

Major: Production engineering

III SEMESTER

Code	Course	P+V	Exam	ECTS
ZKT113	Mathematics III	3+2	1	5
PIT101	Technology I	4+2	1	7
DKT101	Design elements I	3+2	1	5
ZKT114	Strength of materials	3+2	1	6
ZKT115	Basic of thermodinamics	2+2	1	5
ZKO116	Technical english I	1+1	0	2
	Total	15+10=25	5	30

IV SEMESTER

Code	Course	P+V	Exam	ECTS
PIT102	Technology II	3+1	1	5
MRT101	Electrical Engineering	2+2	1	5
ZKT117	Fluid Mechanics	2+2	1	5
IMT101	Optimizing and design of	2+2	*	4
INTITOT	experiments			
IMT102	Organization and economics	2+1	1	4
	of production			
DKT102	Design elements II	2+2	1	5
ZKO117	Technical English II	1+1	0	2
	Total	13+11=24	5	30

V SEMESTER

Code	Course	P+V	Exam	ECTS
ZKT118	Theory and technique of	2+2	1	5
ZKIIIo	measurements			
PIS103	Metal forming processes	2+2	1	5
PIS104	Welding and Assembling	4+2	1	6
PIS105	Essentials of Quality	2+1	*	3
P15105	Assurance			
PIS106	Material removal processes	2+2	1	5
ITI101	Elective technical course	2+2	1	4
ZKO119	Technical English III	1+1	0	2
	Total	14+11=25	5	30

VI SEMIESTER				
Code	Course	P+V	Exam	ECTS
PIS107	Production management	2+1	1	3
PIS108	Machine Tools	3+2	1	6
PIS109	Heat treatment and surface protection	3+2	1	6
MRT102	Automation of production systems	3+2	1	5
ITI102	Elective technical course	2+2	1	4
INI101	Elective non-technical course	2+1	*	3
ZKO120	Technical english IV	1+1	0	2
PIS110	Industrial skills I	**	0	1
	Total	15+10=25	5	30

VI SEMESTER

VII SEMESTER

g systems 2+1 stem 2+2	1	4 5
stem 2+2	1	5
2+2	*	5
CAM		
s 2+1	*	4
0+4	*	4
course 2+2	1	4
nical course 2+1	1	4
12+13=25	4	30
5	s 2+1 0+4 0+4 course 2+2 nical course 2+1	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

* continuos

**duration industrial skills is 182 ours in fabric

Major: Design Construction

III SEMESTER

Code	Course	P+V	Exam	ECTS
ZKT113	Mathematics III	3+2	1	5
PIT101	Technology IA	3+1	1	5
DKT101	Design Elements I	3+2	1	5
ZKT114	Strenght of materials	3+2	1	6
DKT103	Thermodinamics	4+3	1	7
ZKO116	Technical English I	1+1	0	2
	Total	16+10=26	5	30

	TT SHITESTER			
Code	Course	P+V	Exam	ECTS
PIT102	Technology II	3+1	1	5
MRT101	Electrical Engineering	2+2	1	5
ZKT117	Fluid Mechanics A	2+2	1	5
DKT102	Design elements II	2+2	1	5
DKT106	Programming and algorithms	1+2	*	4
ZKO117	Technical English II	1+1	0	2
	Total	13+11=24	5	30

IV SEMESTER

V SEIVIESTER					
Code	Course	P+V	Exam	ECTS	
ZKT118	Theory and technique of	2+2	1	5	
ZKIIIO	measurements				
DKT107	Computer Aided Design -	1+3	*	5	
DKII07	CAD				
DKS108	Linear analysis of	2+2	1	4	
DK5108	structures				
DKS109	Mechanisms Design	2+2	*	5	
MRS112	Pneumatics and Hidraulics	3+2	1	5	
ITI104	Elective technical course	2+2	1	4	
ZKO119	Technical English III	1+1	0	2	
	Total	12+13=25	4	30	

V SEMESTER

VI SEMESTER

Cada	Course	$\mathbf{D} + \mathbf{V}$	Energy	ECTC
Code	Course	P+V	Exam	ECTS
DKS110	Vibration of mechanical	2+2	1	5
DK5110	constructions			
DKS111	Finite Elements Method	2+2	1	5
DKS112	Methodic Design	2+2	1	4
DKS113	Lifting and Conveying	3+2	1	6
DK5115	Machinery			
ITI105	Elective technical course	2+2	1	4
INI103	Elective non-technical course	2+2	*	3
ZKO120	Technical English IV	1+1	0	2
DKS114	Industrial skills I	**	0	1
	Total	13+12=25	5	30

VII SEMESTER

	THESTER				
Code	Course	P+V	Exam	ECTS	
MRS103	Automatic Control	2+2	1	4	
DKS115	Computer integrated product development	2+2	*	5	
DKS116	Motors and motor vehicles	2+1	1	4	
DKS117	Machine tools and devices design	2+2	1	5	
ZPS102	Final project	0+4	*	4	
ITI106	Elective technical course	2+2	1	4	
INI104	Elective non-technical course	2+1	*	4	
	Total	12+14=26	4	30	

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**duration scills is 182 hours in fabric

Major: Industrial Engineering and Managementt

III SEMESTER					
Code	Course	P+V	Exam	ECTS	
				bodovi	
ZKT113	Mathematics III	3+2	1	5	
DKT101	Design Elements I	3+2	1	5	
PIT115	Production Technologies I	3+3	1	7	
ZKT114	Strenght of Materials	3+2	1	6	
ZKT115	Basic of Thermodynamics	2+2	1	5	
ZKO116	Technical English I	1+1	0	2	
	Total	14+11=25	5	30	

IV SEMESTER

IT BENEDTER				
Code	Course	P+V	Exam	ECTS
DKT102	Design Elements II	2+2	1	5
PIT116	Production Technologies II	3+2	1	6
MRT101	Electrical Engineering	2+2	1	5
ZKT117	Fluid mechanics	2+2	1	5
IMT103	Energy Engines	2+1	*	4
IMT104	Industrial engineering	2+1	*	3
ZKO117	Technical English II	1+1	0	2
	Total	13+10=23	4	30

V SEMESTER

Code	Course	P+V	Exam	ECTS
MRT104	Basics of Automation	3+2	1	6
PIS117	Machining systems	3+2	1	6
IMT105	Statistics for the engineering	2+2	*	5
ZKT118	Theory and Technic of	2+2	1	4
ZKIIIO	Measurement			
IMT106	Organization and Economic	2+1	*	3
11/11/100	of production			
ITI107	Elective technical course	2+1	1	4
ZKO119	Technical English III	1+1	0	2
	Total	14+10=24	4	30

VI SEMESTER

Code	Course	P+V	Exam	ECTS
PIS118	Process and Operation	2+3	*	5
P15116	Planning			
IMS107	Quality Control	2+2	1	5
IMS110	Production management	2+2	*	4
IMS108	Maitenance	2+2	1	5
ITI108	Elective technical course	2+2	1	4
INI105	Elective non-technical course	2+1	1	4
ZKO120	Technical English IV	1+1	0	2
IMS109	Industrial skills I	**	0	1
	Total	12+12=24	4	30

VII SEIVIESIEK					
Code	Course	P+V	Exam	ECTS	
PIS113	Computer Aided Manufacturing - CAM	2+2	*	4	
PIS112	Manufacturing System Planning	2+2	1	5	
IMS111	Project Management	2+2	1	4	
IMS112	Development of production systems	2+1	1	4	
IMI113	Elective module course	2+2	1	5	
INI106	Elective non-technical course	2+1	1	4	
ZPS103	Final Project	0+4	**	4	
	Total	12+9+5=26	5	30	

VII SEMESTER

* continuous

**Duration of industrial skilss is 182 hours to fabric.

Major: Mehatronics

III SEMESTER					
Code	Course	P+V	Exam	ECTS	
MRT105	Object Programming	2+1	*	3	
PIT119	Production Techniques	4+2	*	6	
DKT101	Design Elements I	3+2	1	5	
ZKT114	Strenght of Materials	3+2	1	6	
ZKT115	Basic of Thermodinamics	2+2	1	5	
ZKT121	Mathematics IV	1+1	1	3	
ZKO116	Technical English I	1+1	0	2	
	Total	15+10=25	4	30	

IV SEMESTER

IV SEMESTER				
Code	Course	P+V	Exam	ECTS
DKT102	Design Elements II	2+2	1	5
MRT106	Basic of Electrical Engineering	3+2	1	6
ZKT117	Fluid Mechanics	2+2	1	5
MRT107	Feedforward and Feedback	3+2	1	5
WIK1107	Control			
MRT108	Computer simulations	2+2	*	3
MRT109	Computer simulations	2+1	1	4
ZKO117	Technical English II	1+1	0	2
	Total	14+11=25	5	30

V SEMESTER

Code	Course	P+V	Exam	ECTS
DKS119	Kinematics and dynamics of	2+1	*	5
DKS119	mechanisms			
MRS110	Electrical servo-drives	2+1	1	4
MRS111	Microprocessor based control	3+2	1	6
MRS112	Pneumatics and hidraulics	3+2	*	5
MRS113	Sensors	2+2	1	4
ITI109	Elective technical course	2+2	1	4
ZKO119	Technical English III	1+1	*	2
	Total	14+10=24	4	30

Code	Course	P+V	Exam	ECTS
MRS114	Virtual Design of Mechatronic	2+3	*	6
MK5114	Systems			
MRT115	Basis of the finite elements	2+2	1	5
WIK1113	method			
MRT116	Artificial Intelligence	2+2	1	4
MRS117	Artificial Intelligence	2+1	*	4
ITI110	Elective technical course	2+1	1	4
INI107	Elective non-technical course	2+1	1	4
ZKO120	Technical English IV	1+1	0	2
MRS118	Industrial skills I	**	0	1
	Total	12+10=22	4	30

VI SEMESTER

VII SEMESTER

Code	Course	P+V	Exam	ECTS
MRS119	Industrial and mobile robots	2+2	1	6
IMS110	Production management	2+2	*	4
MRS111	Intelligent CAD systems	2+2	1	4
MRT112	Neural network	2+2	1	4
ZPS104	Final project	0+4	**	4
ITI111	Elective technical course	2+1	1	4
INI108	Elective non-technical course	2+1	1	4
	Total	12+13=25	4	30

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**Duration of industrial skills is 182 hours to fabric.

5.3.2. Graduate study of Mechanical Engineering

Major: Production Engineering

I SEMESTER Code Course P+V ECTS Exam Technological processes 2+2 PIS201 5 1 **PIS202** Tribology 2 + 21 4 Modeling and simulation of 2+21 6 **PIS203** productional processes **PIS204** Control of Machining Systems 2+21 5 IMS201 Quality Control 2+2 * 4 **PII224** Elective course of the module I 2+2 1 4 ** **PIS205** Industrial skills II 0 2 12+11=23 5 30 Total

** duration of industrial skills is 182 ours to fabric

II SEMESTER					
Code	Course	P+V	Exam	ECTS	
PIS206	Processes of Final Machining	2+2	1	5	
F15200	and Shaping				
PIS207	Forming tools and machines	2+2	1	5	
IMS202	Project management	2+2	1	5	
MRS201	Hydraulics and Pneumatics	2+2	1	5	
ZPS201	Project	0+6	*	6	
PII208	Elective course of the module II	2+2	1	4	
	Total	13+12=25	5	30	

II SEMESTER

III SEMESTER

Code	Course	P+V	Exam	ECTS
MRS202	Robotics	2+2	1	6
PIS209	Machine tools planning and	2+2	1	6
F15209	design			
PII210	Elective course of the module III	2+2	1	4
PII211	Elective course of the module IV	2+1	1	4
PIS212	Master thesis	0+10	**	10
	Total	8+17=25	4	30

** verbal exposition of that work in front of board of examiners

Major: Construction Design

I. SEMESTER

I DENIESTER						
Code	Course	P+V	Exam	ECTS		
DKS201	Engineering Informatics	2+1	*	5		
DKS202 Dijagnostics of mechanical		2+2	1	5		
	constructions					
DKS203	Mechanical Design	2+2	1	5		
DKI204	Elective course of the module I	2+2	1	5		
DKI205	Elective course of the module II	2+2	1	5		
INI201	Elective non-technical course	2+1	1	4		
DKS206	Industrial skills II	**	0	1		
	Total	12+10=22	5	30		

** Duration of industrial skils is 182 ours to fabric.

II. SEMESTER

Code	Course	P+V	Exam	ECTS				
DKS207	Industrial design	2+2	1	5				
DKS208	Design with respect to	2+2	1	6				
DK3208	manufacturing processes							
DKS209	Technical information systems	2+2	*	5				
ZPS202	Project	0+6	*	6				
DKI210	Elective course of the module III	2+2	1	4				
ITI201	Elective technical course	2+1	1	4				
	Total	10+15=25	4	30				

III. SEIVIESTER						
Course	P+V	Exam	ECTS			
Business Systems and	2+1	1	4			
Management						
Elective course of the module IV	2+2	1	6			
Elective course of the module V	2+2	1	6			
Elective technical course	2+2	1	4			
Master thesis	0+10	**	10			
Total	8+17=25	4	30			
	Course Business Systems and Management Elective course of the module IV Elective course of the module V Elective technical course Master thesis	CourseP+VBusiness Systems and Management2+1Elective course of the module IV2+2Elective course of the module V2+2Elective technical course2+2Master thesis0+10	CourseP+VExamBusiness Systems and Management2+11Elective course of the module IV2+21Elective course of the module V2+21Elective technical course2+21Master thesis0+10**			

III. SEMESTER

** verbal exposition of that work in front of board of examiners

Major: Industrial Engineering and Management

I. SEMESTER

Code	Course	P+V	Exam	ECTS
IMS204	Operations research I	3+3	*	6
IMS205	Human Resource Management	2+2	1	5
IMS205	Information systems	2+3	*	5
MRS202	Robotics	2+2	1	5
ITI203	Elective technical course	2+1	1	4
INI202	Elective non-technical course	2+1	1	4
IMS206	Industrial skills II	**	0	1
	Total	13+12=25	4	30

**Duration of industrial skills is 182 ours to fabric.

II. SEMESTER

Code	Course	P+V	Exam	ECTS		
IMS207	Operations research II	2+1	1	4		
IMS208	Quality Management	2+0	1	3		
MRS203	Neural network A	2+2	1	5		
IMI209	Elective course of the module I	2+2	1	5		
IMI210	Elective course of the module II	2+2	*	4		
ITI204	Elective technical course	2+1	1	4		
ZP203	Project	0+5	0	5		
	Total	12+13=25	5	30		

III. SEMESTER

Code	Course	P+V	Exam	ECTS		
IMS211	Informatical management	2+2	*	5		
IMS212	Accounting and finance for	2+3	1	7		
11113212	managers					
IMS213	Engineering Logistics	2+1	1	4		
INI203	Elective technical course	2+1	1	4		
IMS214	Master thesis	0+10	1	10		
	Total	8+17=25	4	30		

** verbal exposition of that work in front of board of examiners

Major: Mechatronics

L SEMESTER Code P+V ECTS Course Exam 2+2MRS204 Biomehatronics 1 5 2+2 **MRS205** Control of Technical Systems 1 5 Automatic Assembly Systems 2+3 1 6 **MRS206** Planning Bussines systems and * 2 + 14 IMS203 Management Photogrammetry and 2+3* 5 **MRS207** visualization of objects Elective technical course ITI205 2 + 11 4 **MRS208** Industrial skills ** 0 1 Total 12+12=24 4 30

II. SEMESTER

Code	Course	P+V	Exam	ECTS		
MRS209	General systems theory	3+2	1	7		
MRS210	Fuzzy Logic and Digital Control	3+2	1	6		
MRS211	Intelligent Assembly Systems	2+2	1	5		
ZPS204	Project	0+8	0	8		
ITI206	Elective technical course	2+1	1	4		
	Total	10+15=25	4	30		

III. SEMESTER

Code	Course	P+V	Exam	ECTS		
MRS212	Vision Systems	2+1	1	4		
MRS213	Measurement robots 2+1		1	4		
MRI214	Elective course of the module	2+1	*	4		
ITI207	Elective technical course	2+1	1	4		
INI204	Elective non-technical course	2+1	1	4		
MRS215	Master thesis	0+10	**	10		
	Total	10+15=25	4	30		

** verbal exposition of that work in front of board of examiners

5.3.3.Elective courses at Mechanical engineering study

Elective courses at Mechanical Engineering Faculty are divided into three groups:

- Elective course of the module chosen by the students of certain modules;
- Elective technical courses these courses can be chosen regardless to module of the study:
- Elective non-technical courses can be chosen by all students.

Elective course of the module

	Code	Course	P+V	Exam	ECTS
	PII213	Neural networks in Manufacturing	2+2	1	4
	PII214	Pneumatic and hidraulic servo	2+2	1	4
1.		systems			
	PII215	Automatic Assembly Machinery	2+2	1	4
	PII216	Microcontrollers in production plants	2+2	1	4
	PII217	Measurements in Manufacturing	2+2	1	4
2.	PII218	Non-destructive Testing	2+2	1	4
	PII219	Nanometrology	2+2	1	4
	PII220	Laboratory testing of materials	2+2	1	4
	PII221	Modern Experimental model	2+2	1	4
3.		techniques			
	PII222	Welding power sources and welding	2+2	1	4
		equipment			
	PII223	Numerically Controlled Machine	2+2	1	4
		Tools			
	PII224	Forming machines	2+2	1	4
	PII225	Advanced Metal Forming	2+2	1	4
4.	PII226	Advaced technlogy of removal	2+2	1	4
		processes			
	PII227	Nove tehnologije spajanja	2+2	1	4
	PII228	Simulation and optimization of	2+2	1	4
		manufacturing processes			

Production Engineering

Design Construction

sign Con	Code	Course	P+V	Exa	ECTS
				m	
	DKI213	Biomaterials	2+2	1	5
	DKI214	Biomechanics	2+2	1	5
1.	DKI215	Experimental Biomechanics	2+2	1	4
	DKI216	Biomedical Design	2+2	1	6
	DKI217	Design of prothesis and implantants	2+2	1	6
	DKI218	Basic of vibration diagnostics	2+2	1	5
	DKI219	Protection From Vibrations and	2+2	1	5
•		Vibrations Measurement			
2.	DKI220	Influence of Mechanical Vibrations on Humans	2+2	1	4
	DKI221	Vibration diagnosis machines and constructions	2+2	1	6
	DKI222	Systems vibroacustical diagnostics	2+2	1	6
	DKI223	Power and movement transmission	2+2	1	5
2	DKI224	Calculation of Joints of Structures	2+2	1	5
3.	DKI225	Hydraulic drives	2+2	1	4
	DKI226	Fatigue	2+2	1	6

	DKI227	Recycling Design	2+2	1	6
	DKI228	Mechanical Analysis of Structures	2+2	1	5
4.	DKI229	Numerical methods in mechanics of solids and structures	2+2	1	5
	DKI230	Homologation of Motor Vehicles	2+2	1	4
	DKI231	Theory of movement of motor vehicles	2+2	1	6
	DKI232	Computer simulation and product analysis	2+2	1	6
	DKI233	Theory of elasticity	2+2	1	5
5.	DKI234	Lake konstrukcije	2+2	1	5
5.	DKI235	Mechanics of composite materials	2+2	1	4
	DKI236	Essentials of Quality Assurance	2+2	1	6

Industrial Engineering and Design

	Code	Course	P+V	Exa	ECTS
				m	
	IMI115	Diagnostics in Maitenance	2+2	1	5
1.	IMI216	Ecology and Maintenance	2+2	1	5
	IMI217	Maintenance Management	2+2	*	4
	IMI118	Special Topics in Engineering	2+2	1	5
2.		Logistics			
	IMI219	Logistics Systems Modeling	2+2	1	5
	IMI220	Logistics Management	2+2	*	4
	IMI121	Measurement Robots A	2+2	1	5
3.	IMI222	Design of measurement laboratories	2+2	1	5
	PII219	Multicriterial optimizing and	2+2	*	4
		deciding			
	IMI123	Nanometrology	2+2	1	5
4.	IMI224	Multivariate statistical methods	2+2	1	5
	IMI225	Knowledge management	2+2	*	4

Mehatronics

Code	Course	P+V	Exa	ECTS
			m	
MRI216	Concurrent Engineering	2+1	1	4
MRI217	Computer integrated product development	2+1	1	4
MRI218	Design of microprocessor based control	2+1	1	4
	systems sustava			
MRI219	Automotive mechatronic systems	2+1	1	4
MRI220	Computer control systems	2+1	1	4
MRI221	Simulations and simulation language	2+1	1	4
MRI232	Modelling and simulations of production	2+1	1	4
	systems			

Elective technical Course

	Semester	Code	Course	P+V	ECTS
	V.	PII229	Ecology	2+2	4
1.	VI.	PII230	Science and Technology	2+2	4
	VII.	PII231	Management and Production	2+2	4
	V.	PII232	Material removal	2+2	4
2.	VI.	PII233	Metal forming technology	2+2	4
	VII.	PII234	Heat treatment	2+2	4
	V.	PII235	Foundry	2+2	4
3.	VI	PII236	Welding	2+2	4
	VII.	PII237	Polymer processing	2+2	4
	V.	PII238	Basic of Nanometrology	2+2	4
4.	VI.	PII239	Advanced NDT Methods	2+2	4
	VII.	PII240	Metrology	2+2	4
	V.	PII241	Mehatronics	2+2	4
5.	VI.	PII242	Mirocomputers based control	2+2	4
	VII.	PII243	Intelligent systems	2+2	4

Production Engineering

Design Construction

	Code	Course	P+V	ECTS
	DKI238	Biomechanics	2+2	4
1.	DKI239	Biomedical Design	2+2	4
	DKI240	Design of prothesis and implantants	2+2	4
	DKI241	Basic of vibration diagnostics	2+2	4
2.	DKI242	Systems vibroacustical diagnostics	2+2	4
	DKI243	Vibration diagnosis machines and	2+2	4
		constructions		
	DKI244	Testing of construction	2+2	4
3.	DKI245	Measuring instrumentation and sensors	2+2	4
	DKI246	Welded construction	2+2	4
	DKI247	Heat and air	2+2	4
4.	DKI248	Energetics	2+2	4
	DKI249	Renewable Energy Resources	2+2	4
	DKI250	Optimization of construction	2+2	4
5.	DKI251	CAD/CAM systems	2+2	4
	DKI252	Fatique	2+2	4

Industrial Engineering and Management

Code	Course	P+V	ECTS
IMI227	Basics of Supply Chains	2+1	4
IMI228	Engineering logistics	2+1	4
IMI229	Simulation modeling	2+1	4
IMI230	Reliability of technical systems	2+1	4
IMI231	Production management	2+1	4
IMI232	Maitenance	2+1	4

IMI233	Inteligent planning processes	2+1	4
IMI234	Automatized devices	2+1	4
IMI235	Work study and ergonomics	2+1	4
IMI236	Bussines systems and management	2+1	4
IMI237	Tools and devices	2+1	4
IMI238	Projectekt management	2+1	4

Mehatronics

Code	Course	P+V	ECTS
MRI222	Web programming	2+1	4
MRI223	Multimedia	2+1	4
MRI224	Engineering databases	2+1	4
MRI225	Algorithm technique	2+1	4
MRI226	Computer networks	2+1	4
MRI227	Processes dinamics	2+1	4
MRI228	Mehatronics	2+1	4
MRI229	Microcontrolers design and applications	2+1	4

Elective non-technical course

Code	Course	P+V	ECTS
DEI01	Knowledge management	2+1	4
DEI02	Communications	2+1	4
DEI03	Structure of scientific work znanstvene spoznaje	2+1	4
DEI04	Risk management	2+1	4
DEI05	Bussines systems and management	2+1	4
DEI06	Menadžment ljudskih potencijala	2+1	4
DEI07	Accounting and financing for managers	2+1	4
DEI08	Social psihology and teams work	2+1	4
DEI19	Engineering economics	2+1	4
DEI10	Development production systems	2+1	4
DEI11	Ekcology	2+1	4
DEI12	Ergonomics	2+1	4
DEI13	Project management	2+1	4
DEI14	Informatical management	2+1	4
DEI15	Industry sociology	2+1	4

5.3.4. Undergraduate computing study

Ι	SEMESTER

Code	Course	P+V	Exam	ECTS
MFO101	Mathematics I	3+3+0	1	7
MFO102	Linear algebra	2+2+0	1	6
MFO103	Physic I	3+2+0	1	6
PRO101	Introduction to computers and programming	3+1+2	1	7
DEO101	Skills of communication in organization	2+2+0	1	3
DEO102	Physical Education	0+0+2	0	1
	Total	13+10+2=25	5	30

II SEIVIES I EK						
Code	Course	P+V	Exa	ECTS		
			m			
MFO104	Mathematics 2	3+3+0	1	7		
MFO105	Physics II	3+2+0	1	6		
ESO101	Electrical engineering	3+2+1	1	6		
PRO102	Programmnig	3+0+2	1	7		
GMO101	Engineering graphics and CAD	1+0+2	1	3		
DEO103	Physical Education	0+0+2	0	1		
	Total	13+7+5=25	5	30		

II SEMESTER

III SEMESTER

Code	Course	P+V	Exa	ECTS
			m	
MFO206	Mathematics 3	2+2+0	1	5
ESO202	Electronics	3+2+1	1	6
MFO207	Statistics and probability	2+2+0	1	5
PRO203	Algorithms and data structure	3+2+2	1	7
ERO201	Mehatronics	2+1+1	1	5
DEO204	English language I	1+1+0	*	2
	Total	13+10+4=27	5	30

*- continuous knowledge assessment

IV SEMESTER

Code	Course	P+V	Exam	ECTS
ERO202	Digital systems and structures	3+2+1	1	7
ERO203	Signals and systems	2+0+2	1	5
AOO201	Computer architecture	3+0+2	1	7
IBO201	Databases	2+0+2	1	5
DEO205	Management	2+1+0	1	4
DEO206	English language II	1+1+0	*	2
	Total	13+4+7=24	5	30

*- continuous knowledge assessment

V SEMESTER

Code	Course	P+V	Exam	ECTS
GMO302	Informations theory	3+1+1	1	5
AOO302	Operating systems	3+1+2	1	6
AOO303	Computer network	3+1+2	1	6
ERO304	CAD/CAM systems	2+0+2	1	5
	Elective courseI	2+1+1	1	5
SPO301	Skills	0+0+6	0	3
	Total	13+2+10=25	5	30

Code	Course	P+V	Exam	ECTS
PRO304	Internet programming	2+0+2	1	5
DEO307	Management and computing	2+2+0	1	3
	Elective courseII	2+1+1	1	5
	Elective course III	2+1+1	1	5
ZRO301	Final work	0+6+0	1	12
	Total	11+6+11=22	5	30

VI SEMESTER

	Elective	course:	
	Course	P+V	ECTS
PRI 01	Internet programming II	2+1+1	5
IBI01	Databases II	2+1+1	5
PRI02	Software engineering	2+1+1	5
AOI01	Application computer in industry	2+1+1	5
AOI02	Advanced computer architecture	2+1+1	5
AOI03	Real time systems	2+1+1	5
ERI01	Computer integrated product	2+1+1	5
develop	ment		
ERI02	Feedforward and Feedback Control	2+1+1	5
ERI03	Computer processes control	2+1+1	5
AOI04	Design computer network	2+1+1	5
AOI05	Security computer network	2+1+1	5
AOI06	Mobile communications	2+1+1	5
DEI01	Engineering economics	2+1+1	5
DEI02	Human resource management	2+1+1	5
DEI03	Reliability of technical systems	2+1+1	5

5.3.6. Graduate computing study

I. SEMESTER

Code	Course	P+V	Exam	ECTS
PRO404	Object oriented programming	2+0+3	1	6
MFO408	Numerical analysis	2+2+0	1	5
UIO401	Artificial intelligence	2+0+2	1	5
IBO402	Design of information systems	2+0+2	1	5
PRO405	User interfaces	2+1+1	1	4
	Elective course I	2+1+1	1	5
	Total	5+2+6=25	6	30

Code	Course	P+V	Exam	ECTS
MFO409	Optimization methods	2+1+1	1	5
DEO408	Project management	2+1+1	1	5
UIO402	Intelligent CAD systems	1+0+3	1	5
AOO404	Advanced datastructre and algorithms	2+0+2	1	5
GMO403	Multimedia systems	2+1+1	1	5
	Elective courseII	2+1+1	1	5
	Total	11+4+9=24	6	30

II SEMESTER

Code	Course	P+V	Exam	ECTS
DE509	Economics and Managerial	2+2+0	1	2
	Decision Making			
UIO503	Robotics	2+1+1	1	4
PRO506	Distributed sistems	2+1+1	1	4
AOO505	Embeeded systems	2+1+1	1	4
	Elective course I	2+1+1	1	4
	Master thesis	0+5+0	0	12
	Total	8+10+9=27	5	30

III. SEMESTER

	IV. SEMESTER									
Code	Course	P+V	Exam	ECTS						
AOO506	Grid computer systems	2+1+1	1	4						
	Elective course II	2+1+1	1	4						
	Elective courseIII	2+1+1	1	4						
	Master thesis	0+15+0	1	18						

6+18+3=27

4

30

Total

Elective course			
Code	Course	P+V	ECTS
PRI03	Unix/Linux programming	2+1+1	4/5
PRI04	Windows programming	2+1+1	4/5
IBI02	Distributed databases	2+1+1	4/5
AOI07	Advanced computer architecture	2+1+1	4/5
AOI08	Design microproccesor system based control	2+1+1	4/5
AOI10	Digital instrumentations	2+1+1	4/5
AOI11	Digital telecomunications	2+1+1	4/5
UII01	Computer intelligence	2+1+1	4/5
UII02	Mobile robots	2+1+1	4/5
ERI04	Finite elements method	2+1+1	4/5
ERI05	Modellling and simulation	2+1+1	4/5
ERI06	Digital signal processing	2+1+1	4/5
GMI01	Digitalna image processing and analysis	2+1+1	4/5
DEI04	Development of production systems	2+1+1	4/5
DEI05	Inteligent data analysis	2+1+1	4/5
DEI06	Electronic bussines	2+1+1	4/5
DEI07	Quality management	2+1+1	4/5

5.4. FACULTY OF HEALTH STUDIES

At the High medical school University of Mostar students enrol into undergraduate and graduate study, student can choose one from three majors:

Medical radiology Nursing Physiotherapy

Degree: Bachelor and master

Duration: 3+2 (bachelor and master study)

Status of study: Full time and part time study

Entry requirements: General college entrance requirements with additional qualifications in entry exam which is different for each majors.

Contact information:

Address: Visoka zdravstvena škola Matice Hrvatske b.b. 88000 Mostar Telephone: + 387 36 328 644; 322 333 e-mail: mail@vzs.sve-mo.ba web site: www.sve-mo.ba/vzs

5.4.1. Undergraduate programme

Medical Radiology

	Course title	1st	Seme	ster	2nd	Seme	ester	Т	OTA	Ĺ	ECTO
		L	S	Р	L	S	Р	L	S	Р	ECTS
			RA	DIOL	OGY						
1.	Radiological Propedeutics				15		15	15		15	1,5
2.	Introduction to Radiology	45						45			2,5
3.	Radiological Equipment				45	15	30	45	15	30	6
4.	Radiobiology and Radiology Protection				45		20	45		20	3
5.	Radiological Anatomy and Pathology	30	15	30				30	15	30	5,5
6.	Radiological Dictionary and Norms				30			30			1,5
	Film and Processing				45		20	45		20	3
			BASI	C SC	IENC	E					
8.	Anatomy	30	30	30				30	30	30	6,5
9.	Physics	60	15	15				60	15	15	4
10.	Physiology	30		15				30		15	3
11.	Pathophysiology				30	15	15	30	15	15	3

Faculty of Health Studies

12.	Patology	30	5	10				30	5	10	3
13.	Microbiology and Parasitology	30		20				30		20	3
14.	Radiation Physics and Electronics				45	15	15	45	15	15	3
SOCIAL SCIENCES											
15.	Medical English					30			30		1,5
16.	Informatics	30		30				30		30	2,5
		EI	ECT	IVE (OUR	SES					
17.	Medical Statistics				10	10	30	10	10	15	1,5
18.	Physical Education						60			60	2
]	Practi	ce						
19.	Departicul Teninina I									30	4
	Practical Training I									0	4
	Total	28 5	65	15 0	26 5	85	20 5	550	15 0	65 5	
			500		555			1.355			60

	Course title	3rd	Seme	star	4th	Seme	ster	Т	OTA	L	ECT
	Course title	Р	S	PR	Р	S	PR	Р	S	PR	S
		_	R	ADIO	LOGY	,		-			-
1.	Skeletal Radiography	60	30	105				60	30	10 5	11,5
2.	Conventional Radiological Methods				50	10	60	50	10	60	6
3.	Imaging Theory				60	15	30	60	15	30	6
4.	Computer in Radiology	25		50				25		60	5,5
5.	Digital Subtraction Angiografy	15	15	30							2,5
6.	Magnetic resonance				15	10	40	15	10	40	2
7.	Contrast Media	15	15					15	15		1,5
			CLIN	ICAL	SCIE	NCE					
8.	Pharmacology	30		15				30		15	2,5
9.	Internal Medicine	30		30				30		30	3,5
10.	Surgery				30		30	30		30	3,5
11.	Health Care	15	15	35				15	10	15	1,5
12.	Anesthesiology, Rheumatology and Iintensive Care				20		35	20		35	2
			SOC	IAL S	CIENC	CES					

Faculty of Health Studies

13.	Medical English II					30			30		1,5
14.	Health Legislation and Ethics	30	15					30	15		1,5
15.	Medical Psychology				30		15	30		15	2
	ELECTIVE COURSES										
16.	Hygiene and Social Medicine				15		15	15		15	1,5
17.	Multiplanar Imaging				15		30	15		30	1,5
		-	SUM	MER P	RACT	ICE					
18.	Practical Training II									30 0	4
	TOTAL	220	90	265	235	65	25 5	455	15 5	82 0	60
			575			555			1.430		

	Course title	5th	Seme	ster	6th	Seme	ster		ΤΟΤΑ	L	ECTS
	Course title	Р	S	PR	Р	S	PR	Р	S	PR	ECIS
				RADI	OLO	GY					
1.	Nuclear Medicine	90		90				90		90	10
2.	Radiotherapy and Oncology				90		90	90		90	7
3.	Ultrasound Diagnostics				25		30	25		30	2
4.	Intervention Radiology	20		25				20		25	2
5.	Application of Metode in Radiology	30	10					30	10		2
6.	New Technology and Computer Medical Imaging				60		30	60		30	3,5
7.	Management				30	15		30	15		3
8.	Computed Radiological Methods	90		120						120	10
9.	Control of Equipment and Process				30		15	30		15	4
10.	Final Paper									500	5
			SC	OCIAL	SCIE	NCES					
11.	Medical English III		30						30		3
			ELI	ECTIV	E CO	URSES	S				
12.	Nuclear Medical Instrumentation	15		15				15		15	1,5

			565			660			1.81	5	
	Total	260	55	250	25 5	15	18 0	51 5	70	1.23 0	60
15.	Practical Training									300	4
]	Practica	ıl Trai	ning					
14.	Scientific Work and Research				20		15	20		15	1,5
13.	Treatment Planning and Application of Radiotherapy	15	15					15	15		1,5

Nursing

	Course title	1st	Seme	ster	2nd	Seme	ester		Total		ECTS
	Course title	L	S	Р	L	S	Р	L	S	Р	ECIS
			HE	ALT	CARI	£					
1.	Phylosophy and ethics in Nursing	35	35					35	35		3
2.	Informatics and Administration in Nursing				20	10	20 25	20	10	20 25	3
3.	Nursing Process	60	40	16 0				60	40	16 0	10
4.	Fundamentals of Nursing				16 0	50	21 0	160	50	21 0	11
5.	Clinical Practice in Nursing									18 0	7
			BAS	IC SC	CIENC	CE					
6.	Anatomy Physiology	30 30		15 15				30 30		15 15	4
7.	Microbiology and Parasitology	20		15				20		15	2
8.	Biophysics and Biochemistry	30		15				30		15	3
9.	Dietetics	20		45				20		45	3
10.	Epidemiology and Healt Statistics				30		30	30		30	3
11.	Patology Pathophysiology				20 30		10	20 30		10	4
		1	SOCL	AL SC	CIENO	CES					
12.	Communication Skills	20		30				20		30	2
13.	Psychology				30			30			1
14.	Sociology	20						20			1
15.	Social and Health Legislation				30			30			1

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1	6.	Medical English		40						40		2
		Total	26 5	11 5	29 5	32 0	60	29 5	585	17 5	77 0	60
				675			675			1530		

Basic and Social Sciences:

Lecture - 310 Seminars - 40 Practice - 175 Total: 525

Healt Care:

Lecture: 275

Seminars - 135 Practice - 595

Total: 1005

	Course title	3rc	I Semo	estar	4th	Semes	ster		Total		ECTS
	Course title	L	S	Р	L	S	Р	L	S	Р	ECIS
			I	HEALT	CARI	E		-			-
1.	Child Nursing				70		18 0	70		18 0	9
2.	Maternal and Newborn Nursing				70		18 0	70		18 0	9
3.	Adult Nursing I	90		180				90		18 0	10
4.	Clinical Practice in Nursing									18 0	4
-			B	ASIC S	CIENO	CE	<u> </u>		<u> </u>		
5.	Pharmacology	30		10				30		10	2
			CLI	NICAI	SCIE	NCE					
6.	Clinical Medicine I							100			
	- Internal Medicine - Infectology - Neurology Dermatovenerology - Pediatrics	20 20 20 20 20 20									5
7.	Clinical Propedeutics	40		60				40		60	4
8.	Clinical Medicine II Surgery and	30						100			
	traumatology Ophthalmology Otorhynolaryngol ogy Ortopedics Gynaecology and Obstetrics	15 15 20 20									5
			SO	CIAL S	SCIEN	CES					
9.	Medical English		40						40		2
10.	Methods of Health Education and				50	30	20	50	30	20	4

Health Promotion **ELECTIVE COURSE** 11. Nursing of Onkology Patients 12. Work Group in Nursing Total Total - 480

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Basic and Social Sciences:Lectures - 320Seminars- 70Practice - 90Healt Care:Lectures - 250Seminars- 40Practice - 760Total - 1050

Physiotherapy

	Course title	1st	Seme	ster	2nd	Seme	ester		Total		ECTS
	Course title	L	S	Р	L	S	Р	L	S	Р	ECIS
			PHY	SIOT	HERA	APY					
17.	Clinical				30	20	75	30	20	75	6
10	Kinesiology							20			
18.	Fundamentals of	20						30			•
	Motor Transformations I	30									2
19.	Fundamentals of									60	
19.	Motor						60			00	2
	Transformations II						00				2
20.	Introduction to										
20.	Physiotherapy				30	15	30	30	15	30	4
21.	Physiotherapeutic										
21.	Assessment				30	15	45	30	15	45	3
22.	Clinical Practice I			80						80	2
23.							16			16	•
	Clinical Practice II						5			5	3
			BAS	IC SC	CIENC	CES					
24.	Anatomy with	60		60				60		60	6
	Histology										
25.	Biomechanics	30	15	30				30	15	30	2,5
26.	Physics	40		30				40		30	3 3 3
27.	Physiology	30		15				30		15	3
28.	Pathophysiology	30		15				30		15	
29.	Patology				30		15	30		15	3
30.	Communication				15	30		15	30		2
	Skills					50			50		2
31.	Fundamentals of				15		15	15	0	15	2
	Health Care								v		-
32.	First Aid and				15		25	15		25	2
	Practical Surgery						L				-
- 22		1		BLIC	SINC	ES	1		-		
33.	Medical	30	10	15				30	10	15	2
24	Psychology	20	15	1.5				20	15	15	2
34.	Hygiene and Social	30	15	15				30	15	15	2

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	Medicine										
35.	Informatics	30	0	30				30	0	30	2,5
36.	Medical English I		40						40		2
		0	CLINI	CAL 1	PRAC	TICE	r				
37.	Clinical Practice									22	2
	Clinical Flactice									5	3
		31	80	29	16	80	43	475	16	94	
	Total	0	00	0	5	00	0	4/3	0	5	60
		680			675				1.580		

	Course title	3rc	l Sem	ester	4th	Semes	ter	Т	OTAI		ECTS
	Course title	L	S	Р	L	S	Р	L	S	Р	ECIS
			PH	YSIOT	THERA	PY		-			-
13.	Physiotherapy I	10 0	60	40				100	60	40	
	 Ortopedics Protetics and Ortotics Traumatologija, Sports Medicine 	30 25 25 20	20 15 10 15	20 20							10
14.	Physiotherapy II				110	40	60	110	40	60	
	- Cardiopulmology, - Reumatology, - Gynaecology - Pedijatrija				30 20 30 30	15 15 10 0	15 15 0 30				8
15.	Physiotherapy III				60	10	35	60	10	35	
	Neurology,PsihiatricsGeriatrics				30 15 15	10 0 0	15 10 10				6
16.	Physiotherapeutic Skills I				45		13 5	45		13 5	8
			CLI	NICAL	SCIE	NCES					
17.	Clinical Practice I	10 0	50					100	50		
	 Ortopedics Protetics and Ortotics Traumatology Sports Medicine 	25 25 30 20	15 15 10 10								6
18.	Clinical Practice	18	45					180	45		
	II	0						100	43		
	- Kardiology - Pulmology - Reumatology - Gynaecology - Pediatrics	35 40 30 30 45	15 15 15								6
19.	Clinical Practice III				55	30		55	30		3

	NY 1	r –	1	1	4.0			1		1	
	- Neurology				40	15					
	- Psihiatrics				15	15					
8.	Clinical Practice	40	15					40	15		
	IV							40	15		3
	- Dermatology	25	5								3
	- Oncology	15	10								
			SO	CIAL S	SCIEN	CES					
9.	Medical English		40					40			2
	II		40					40			2
			ELF	ECTIV	E COU	RSE					
10.	Dietetics in Sport	30	15					30	15		3
11.	Healt Statistics				15	15		15	15		2
			CLIN	VICAL	PRAC	TICE					
12.	Clinical Practice									22	5
										5	5
		45	22	40	285	95	23	735	32	49	
	TOTAL	0	5	40	203	22	0	133	0	5	60
			715			610			1.550		

Course title		5th	Seme	ster	6th	Seme	ster		Tota	1	ECT
	Course title	L	S	Р	L	S	Р	L	S	Р	S
			PHY	YSIOT	HERA	APY					
16.	Sport for People with Disabilities	30	15					30	15		3
17.	Physiotherapeutic Skills II	30		100				30		100	6
18.	Research Methods in Physiotherapy				30	45		30	45		4
19.	Management	30	15					30	15		3
20.	Clinical Practice IV						40 0			400	8
21.	Fundamentals of Occupational Therapy	15	20					15	20		3
22.	Physical Therapy				40	30		40	30		4
23.	Clinical Practice			330						330	7
24.	Rehabilitation				30	15		30	15		3
25.	Physiotherapy in Primary Health Care				15		30	15		30	3
			CLIN	ICAL	SCIE	NCES					
26.	Topics from the Basic Neuroscience	15		15				15		15	3

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			SOC	CIAL S	CIEN	CES					
27.	Ergonomy				30	15		30	15		2
28.	Bioetics				15	15		15	15		2
29.	Medical English III		40						40		3
30.	Legislature in Health Services				15	15		15	15		2
			ELE	CTIVE	COU	RSE					
31.	Fundamentals of Radiology	30		15				30		15	2
32.	Palliative Care				15		15	15		15	2
	Total	150	90	460	19 0	135	44 5	34 0	22 5	905	60
		700 770 1.470									

		5th	Seme	ster	6th	Semes	ster		Tota	l	ECT
	Course title	L	S	Р	L	S	Р	L	S	Р	S
			H	IEALT	H CA	RE					
1.	Coordination and Supervision of Nursing				30	10	40	30	10	40	3
2.	Fundamentals of Research in Nursing				20	15	30	20	15	30	2
3.	Geriatric Patient Nursing				40		12 0	40		120	5
4.	Adult Nursing II	60		140				60		140	9
5.	Nursing of Patients with Special Needs	20	10	40				20	10	40	4
6.	Nursing of Psychiatric Patients				60		14 0	60		140	7
7.	Nursing in Community	65		180				65		180	8
8.	Clinical Practice in Nursing									180	7
			CLI	INICAI	L SCI	ENCE					
9.	Clinical Medicine III - Anaesthesiology - Resuscitation - Intensive Care - Transfuzijska medicina	10 10 10 10		10 10 10 10				40		40	4
10.	Clinical Medicine IV - Mental Health and Psychiatry				40			40			2
11.	Clinical	20		20							3

	T 1	1	10								1
	Laboratorys		10								
	Diagnostics and										
	Fundamentals of										
	Radiology										
SOCIAL SCIENCES											
12.	Public Health				60		60	60		60	4
ELECTIVE COURSE											
13.	Palliative Nursing	10	20	20				10	20	20	2
		215	40	440	25	25	39	46	65	101	
	Total				0		0	5		0	60
		695			665			1540			1

Basic and Social Sciences:Lectures - 160Seminars- 40Practice - 120Total - 290Health Care:Lectures - 305Seminars- 55Practice - 890Total - 1250

Faculty of Health Studies

5.5. FACULTY OF PHILOSOPHY

At the Faculty of philosophy and University of Mostar students enrol into undergraduate and graduate studies of :

Archaeology. Cratian Language and literature. Journalism Psihology Politology Social work Croatian language and literature-english language and literature Croatian language and literature - Germany language and literature Croatian language and literature – philosophy Croatian language and literature – latin language and roman literature Croatian language and literature - history Croatian language and literature – history arts Croatian language and literature – pedagogy english language and literature – german language and literature english language and literature – philosophy english language and literature- latin language and roman literature english language and literature - History english language and literature - history arts Germany language and literature– philosophy Germany language and literature- latin language and roman literature Germany language and literature-History Germany language and literature - history arts Philosophy – History Philosophy – history arts Philosophy - latin language and roman literature Philosophy – pedagogy History – history arts History - latin language and roman literature History - pedagogy History - geographics Arheology – history arts Arheology - History Arheology – latin language and roman literature Arheology – english language and literature Arheology – Germany language and literature Arheology - Philosophy. Degree: bachelor Master **Duration**: 3+2 (bachelor and master study) Status of study: Full time and part time study **Entry requirements:** Undergraduate study: valorization of secondary school results and enrolled entrance exam Graduate study: successfully finish undergraduate study - 180 ECTS

Contact information: Address: Filozofski fakultet Matice Hrvatske b.b. 88000 Mostar Telephone/fax: +387 36 321 239; 325 910; 325 636 web site: www.sve-mo.ba/ffhz/

5.5.1.Archaeology

Undergraduate study

I.Semester							
Course	Periods	ECTS	Status				
Archaeology – an introduction I	2+2+0+0	6	А				
Paleolithic and Mesolithic	2+1+0+0	6	А				
Aegean civilizations of the Bronze age	2+1+0+0	6	А				
Foreign language	2+0+0+0	3	D				
Essentials of information science	1+1+0+0	3	D				
The course from one of the complementary Departments of the Faculty of Pedagogy, University of Mostar*	1+1+0+0	4	С				
The course from one of the complementary Departments*	1+1+0+0	4	С				
Archaeological field techniques	0+0+4+0	2	Mod				

n.semester						
Course	Periods	ECTS	Status			
Archaeology – an introduction II	2+2+0+0	6	А			
Neolithic	2+1+0+0	5	А			
Archaeology of the ancient Greece	2+1+0+0	6	А			
Institutions of the Roman world	2+1+0+0	5	А			
Cults and beliefs in Neolithic	1+1+0+0	4	В			
Colonization and romanization of ancient Illyricum	1+1+0+0	4	В			
The course from one of the complementary Departments*	1+1+0+0	3	С			
Archaeological field techniques	0+0+4+0	2	Mod			
Study tour	0+0+1+0	1	Mod			

II Semester

III.Semester

Course	Periods	ECTS	Status
Eneolithic	2+1+0+0	6	А
Bronze age	2+1+0+0	6	А

Antique archaeology of the Apennine peninsula	2+1+0+0	6	А
Underwater archaeology - an introduction	1+1+0+0	4	В
Preservation and protection of the culture monuments	1+1+0+0	4	В
The course from one of the complementary Departments*	1+1+0+0	3	С
The course from one of the complementary Departments*	1+1+0+0	3	С
Archaeological field techniques	0+0+6+0	2	Mod

IV.Semester

Course	Periods	ECTS	Status
Iron age	2+1+0+0	6	А
Latin language I	1+1+1+0	5	Α
Archaeology of the Great migration period	2+1+0+0	6	А
Formation and development of Christianity	2+1+0+0	5	В
Museology	1+0+1+0	4	В
The course from one of the complementary Departments*	1+1+0+0	3	С
The course from one of the complementary Departments*	1+1+0+0	3	С
Archaeological field techniques	0+0+6+0	2	Mod
Study tour	0+0+1+0	1	Mod

V.Semester

Course	Periods	ECTS	Status
Latin language II	1+1+1+0	6	А
Early Christian archaeology	2+1+0+0	6	Α
Cultural complex of Bijelo brdo	2+1+0+0	6	В
Essentials of ethnology	1+0+1+0	4	В
Essentials of archaeological field techniques	0+0+8+0	4	Mod
The course from one of the complementary Departments*	1+1+0+0	3	С
The course from one of the complementary Departments*	1+1+0+0	3	С
Course in geodesy	0+0+2+0	2	Mod

VI.Semester

Course	Periods	ECTS	Status
National archaeology	2+1+0+0	6	А
Latin language III	1+0+1+0	5	В
Architecture and urbanism of ancient Illyricum	1+1+0+0	5	В
General Slavic archaeology	1+1+0+0	5	В

Archaeological anthropology	1+1+0+0	4	В
Essentials of archaeological field methods II	0+0+8+0	4	Mod
The course from one of the complementary Departments*	1+1+0+0	3	С
Course in drawing	0+0+2+0	2	Mod
Study tour	0+0+1+0	1	Mod

I.Semester

Graduate study

Course	Periods	ECTS	Status
Methodology of archaeological excavations I	2+0+4+0	6	А
Neolithic on the Eastern Adriatic	2+1+0+1	6	В
Bronze age on the Eastern Adriatic	2+1+0+1	6	В
Iron age on the northern Adriatic	2+1+0+1	6	В
Eastern Adriatic in the Iron age	2+1+0+1	6	В
Pottery import on the Adriatic in antiquity	2+1+0+1	6	В
Economy of the roman Histria and Dalmatia	2+1+0+1	6	В
Classical art of the eastern Adriatic I	2+1+0+1	6	В
Essentials of Latin epigraphy	2+1+0+1	6	В
Ancient numismatics	2+1+0+1	6	В
Early Christian iconography	2+1+0+1	6	В
Archaeology of the Great migration period – selected chapters	2+1+0+1	6	В
Early medieval archaeology - selected chapters	2+1+0+1	6	В
Archaeology of the Modern age	2+1+0+1	6	В

II.Semester

Course	Periods	ECTS	Status
Methodology of archaeological excavations II	0+2+4+0	6	А
Eneolithic on the eastern Adriatic	1+1+0+2	6	В
Ethno genesis of the Illyrians	1+1+0+2	6	В
Art and religion of the eastern Adriatic protohistorical world	1+1+0+2	6	В
Underwater archaeology	1+1+0+2	6	В
Classical art of the eastern Adriatic II	1+1+0+2	6	В
Antique Inscriptions on the Eastern Adriatic	1+1+0+2	6	F
Classical religion on the Adriatic and Danube area	1+1+0+2	6	В

Early Christian architecture on the eastern Adriatic	1+1+0+2	6	В
Byzantium on the eastern Adriatic	1+1+0+2	6	В
National archaeology – selected chapters	1+1+0+2	6	В
Methodology of the scientific research	1+1+0+2	5	В
Anthropology of Slavic necropolae	1+1+0+0	5	В

III. Semester

	specialist		from	the	7 th	and	8 th	0+3+0+2	7	-
semes	ster courses	8								

IV. Semester	r		
Mentor work and thesis preparation	0+0+0+2	7+23	-

5.5.2. English language and literature

Undergraduate study

I.SEMESTER		
COURSES	TEACHING HOURS	ECTS
1. Language Practice I	5	4
2. Introduction to the Study of English Language and Linguistics	2	4
3. Introduction to Literature I	2	4
4. Elective course*		
TOTAL	11	15

II SEMESTER

COURSES	TEACHING HOURS	ECTS
	noens	
1. Language Practice II	5	4
2. Phonetics and Phonology	2	4
3. Introduction to Literature II	2	4
4. Elective course*		
TOTAL	11	15

III SEMESTER

COURSES	TEACHING HOURS	ECTS
1. Language Practice III	4	3
2. Morphology	2	4
3. Survey of English Literature I	2	4
5. Elective course*		
TOTAL	11	15

COURSES	TEACHING HOURS	ECTS
1. Language Practice IV	4	3
2. Syntax	2	4
3. Survey of English Literature II	2	4
4. Elective course*		
TOTAL	11	15

V SEMESTAR

COURSES	TEACHING HOURS	ECTS
1. Language Practice V	4	3
2. Semantics	2	4
3. Survey of American Literature	2	4
4. Elective course*		
TOTAL	11	15

VI SEMESTAR

COURSES	TEACHING HOURS	ECTS
1. Language practice VI	4	3
2. Sociolinguistics	2	4
3. History of English language	2	4
4. Elective course*		
TOTAL	11	15

THE LIST OF ELECTIVE COURSES

COURSES	TEACHING HOURS	ECTS
1 Duitich sulture and similination	1	2
1. British culture and civilization	1	2
2. American culture and civilization	1	2
3. Special Languages	2	3
4. Shakespeare and Literary Theory	2	3
5. Contemporary Prose Fiction	2	3
6. Contemporary American Literature	2	3

- Students choose as many elective courses as necessary to acquire 15 ECTS per semester.

- Students can also choose a variety of elective courses offered by other departments.

Graduate study

VII SEMESTER

COURSES	TEACHING HOURS	ECTS
1. Psychology of Education ¹	4	6
2. Second and Foreign Language Acquisition	2	3
3. Language Practice VII	2	3
Elective courses		
TOTAL OF COMPULSORY AND ELECTIVE COURSES	10	15

COURSES Compulsory course	TEACHING HOURS	ECTS
1. Pedagogy ¹	4	6
2. Glottodidactics	3	4
3. Lexicology	2	3
Elective courses		
TOTAL OF COMPULSORY AND ELECTIVE COURSES	10	15

VIII SEMESTER

IX SEMESTER

COURSES	TEACHING HOURS	ECTS
1.English Language Teaching Methodology	3	4
2. Cognitive Linguistics	2	3
3. Practicum and Teaching	2	3
Practice I		
Elective courses		
TOTAL OF COMPULSORY AND ELECTIVE COURSES	10	15

X SEMESTER

COURSES	TEACHING HOURS	ECTS
1. MA thesis	8 individual tutorial sessions	12
2. Practicum and Teaching Practice II	2	3
TOTAL OF COMPULSORY AND ELECTIVE COURSES	10	15

THE LIST OF ELECTIVE COURSES

COURSES	TEACHING HOURS	ECTS
1. Language and culture	2	3
2. Teaching English for Special Purposes (ESP)	2	2
3. Language Practice (reading, writing and critical thinking)	2	3
4. An Introduction to English Language Research	2	2
5. Creative Writing	2	2
6. Multimedia in Foreign Language Teaching		

5.5.3. Philosophy

1 st YEAR				
Course	l+s/e	total	semester	ECTS
		hours		credit
Introduction to philosophy	2+0	30	1	4
Logic 1	2+2	60	1	7
Latin language 1 or	0+2	30	1	2
Greek language 1 (cooperative course)				
Foreign language 1 (cooperative course)	0+2	30	1	2
Physical Education (cooperative course)	0+2	30	1	2
Antique philosophy	3+1	60	2	7
Latin language 2 or Greek language 2	0+2	30	2	2
(cooperative course)				
Foreign language 2 (cooperative course)	0+2	30	2	2
The methodology of scientific work	1+1	30	2	3

2ndYEAR ECTS Course l+s/e total semester hours credit Logic 2 2+2 60 3 6 3 3+1 Ethics 1 60 6 Elective course 2+0 30 3 3 Philosophy of cognition 3+1 60 4 6 Middle Ages and Renaissance 3+1 4 6 60 philosophy Elective course 30 4 3 2+0

3 RD YEAR					
Course	l+s/e	total	semester	ECTS	
		hours		credit	
The philosophy of the new age	3+1	60	5	6	
Metaphysics	3+1	60	5	6	
Elective course	2+0	30	5	3	
Contemporary philosophy	2+1	45	6	6	
Philosophy of science 1	2+0	30	6	3	
Aesthetics	2+0	30	6	3	
Elective course	2+0	30	6	3	
The writing of the b.a. thesis			6	6	

Graduate study

Scientific orientation

1 ^{sr} YEAR				
course	l+s/e	total	semester	ECTS
		hours		credit
Political philosophy	2+0	30	1	5
The history of Croatian philosophy	2+0	30	1	5

Elective course	2+0	30	1	4
The philosophy of anthropology	3+0	45	2	6
Philosophy of science 2	2+0	30	2	4
Elective course	2+0	30	2	4

2 TM YEAR				
course	l+s/e	total	semester	ECTS
		hours		credit
The philosophy of religion	2+1	45	3	5
Ethics 2	2+1	45	3	5
Elective course	2+0	30	3	4
The writing of the diploma thesis			4	30

Teaching orientation

1 st YEAR				
course	l+s/e	total hours	semester	ECTS credit
The psychology of education (cooperative course)	1+1	30	1	4
General pedagogy (cooperative course)	2+1	45	1	5
The political philosophy	2+0	30	1	5
Elective course	2+0	30	1	4
The philosophy of anthropology	3+0	45	2	6
Philosophy of science 2	2+0	30	2	4
Elective course	2+0	30	2	4

2ND YEAR

course	l+s/e	total	semester	ECTS
		hours		credit
The methodology of teaching philosophy	2+2	60	3	6
The philosophy of religion	2+0	30	3	5
Elective course	2+0	30	3	4
Ethics 2	2+1	45	4	5
Elective course	2+0	30	4	4
The writing of the diploma thesis			4	15

5.5.4. The Croatian language and literature – two course studies

Undergraduate study

I.Semester				
Course	Number of hours	Credits		
Basic theory of literature 1	2+2	5		
Interpretation of the literary text	2+2	5		
or Introduction to the theory of literature	2+2	5		
or Theory of literature	2+2	5		
Old Church Slavic Language	2+2	5		
Language Exercises 1	0+0+2	3		
Foreign Language	2+2	2		

II.Semester

Introduction to Language Theory	2+2	5
Historical Grammar of the Croatian Language	4+0	5
Introduction to Comparative Literature (with examples	2+2	5
from world literature)		
Foreign Language	0+0+2	5

III.Semester

Verbal Croatian literature	2+2	5
or		
From the history of the verbal Croatian literature	2+2	5
Or		
History of verbal Croatian literature	2+2	5
Older Croatian Literature 1	2+2	5
History of the Croatian Literary Language	2+2	5

IV.Semester

Dialectology	2+2	5
Older Croatian Literature 2	2+2	5
Theory of verbal-literary forms	2+2	5
or Croatian literary tradition or	2+2	5
Theory and poetics of croatian verbal literature	2+2	5

V.Semester

The Croatian Literature of the 19 th century	2+2	5
The Croatian Literature of the 19th century	2+2	5
Phonology of the Croatian Standard Language	2+2	5
Stylistics	2+2	5

VI Semester

The Croatian Literature of the 20 th Century	2+2	5
New Croatian literature II	2+2	5
Comparative Slavic Grammar	2+2	5
Syntagmatics and Syntax of the Text	1+1	5
Or		
Children's Literature and Youth Literature	1+1	5
Final written thesis	2	5
The Croatian Literature of the 20 th Century	2+2	5
New Croatian literature II	2+2	

Graduate study- scientific course

VII Semester		
Morphology of the Croatian Standard Language	2+2	5
The Croatian Drama of the 19 th and the 20 th Century	2+2	5
or		
Croatian national reformation and its echoes in BH		
Older Croatian Literature	2+1	5
Introduction to Teaching Methods of the Croatian	2+2	5
Language		

VIII Semester

Contemporary Croatian Prose	2+2	5
The Croatian Dialects	2+1	5
Croatian literary critics	1+1	5
or		
Myth, Ritual, Custom	1+1	5
Teaching Methods (of school reception) of the Croatian	1+1	5
Literature	1+1	5
Contemporary Croatian Prose	2+2	5

IX Semester		
Miroslav Krleža	2+1	5
Sociolinguistical Language Approach	2+1	5
or		
Stil hrvatsko-glagoljskih sakralnih tekstova	2+1	5
Elements of Contemporary Teaching Methods of the	1+1	5
Croatian Language		
Teaching Methods of Oral and Written Expression	1+1	5
Miroslav Krleža	2+1	5
Sociolinguistical Language Approach	2+1	2
or		
Stil hrvatsko-glagoljskih sakralnih tekstova	2+1	2
Elements of Contemporary Teaching Methods of the	1+1	3
Croatian Language		

X. Semester		
Teaching Methods of the Croatian Language	1+1	5
Media Culture in Teaching	1+1	5
Mentor's work	3	5
Graduation thesis	5	10

Graduate study- teaching course

VII Semester		
Morphology of the Croatian Standard Language	2+1	5
The Croatian Drama of the 19 th and the 20 th Century	2+2	5
or Croatian national reformation and its echoes in BH	2+2	

Older Croatian Literature 3	1+1	5
Introduction to Teaching Methods of the Croatian	1+1	5
Language		5
Morphology of the Croatian Standard Language	2+1	5

VIII Semester

Contemporary Croatian Prose	2+2	5
The Croatian Dialects	2+1	5
Croatian literary critics	1+1	
or		5
Myth, Ritual, Custom	1+1	
Teaching Methods (of school reception) of the Croatian	1+1	5
Literature		
Contemporary Croatian Prose	2+2	5

IX semester		
Miroslav Krleža	2+1	5
Sociolinguistical Language Approach	2+1	5
or		
Cildren's Literature and Youth Literature	2+1	
Elements of Contemporary Teaching Methods of the	1+1	5
Croatian Language		
		5
Teaching Methods of Oral and Written Expression	1+1	5

X. Semester		
Teaching Methods of the Croatian Language	1+1	5
Media Culture in Teaching	1+1	5
Mentor's work	3	5
Graduation thesis	5	10

The remaining credits form part of the pedagogical-psychological module.

Psychology of the education	2+1	5
Philosophy	2+1	5
General pedagogy	2+1	5

5.5.5. The Croatian Language and Literature- one course undergraduate studies

I.Semester			
Course	Number of hours	Credits	
Basic theory of literature 1	2+2	5	
Interpretation of the literary text	2+2	5	
or Introduction to the theory of literature	2+2	5	
or Theory of literature	2+2	5	
Old Church Slavic Language	2+2	5	

Language Exercises 1	0+0+4	5
World Literature I	2+2	5
or		
Elective course	2+2	5
Bible and verbal Croatian literature	2+2	5

II.Semester		
Introduction to Language Theory	2+2	5
Historical Grammar of the Croatian Language	4+0	5
World Literature 2	2+2	5
Language Exercises 2	0+0+4	5
The Croatian Media	2+2	5
or		
Comunication	2+2	5

III.Semester		
Verbal Croatian literature	2+2	5
or		
From the history of the verbal Croatian literature	2+2	5
Or		
History of verbal Croatian literature	2+2	5
Older Croatian Literature 1	2+2	5
History of the Croatian Literary Language	2+2	5
Elective course from one of foreng literatures	2+2	5
or		
Metalogical axes to literature part	2+2	5
World Literature 3	2+2	5
or		
Elective course	2+2	5

IV.Semester		
Dialectology	2+2	5
Epics and lyrics of the Middle and early Modern Age	2+2	5
Theory of verbal-literary forms	2+2	5
or Croatian literary tradition or	2+2	5
Theory and poetic Croatian verbal forms	2+2	5
Croatian national reformation and its echoes in BiH	2+2	5
or		
Elective course	2+2	5
Basic theory of literature 2	2+2	5
or		
Contemporary Croatian Lexicology	2+2	5

V.semester		
The Croatian Literature of the 19 th century	2+2	5
or The Croatian Literature of the 19 th century	2+2	5
Phonology of the Croatian Standard Language	2+2	5

Stylistics	2+2	5
The Czech Language	1+3	5
Formation of Nominal Words in the Croatian Standard Language	2+2	5
or		
Children's Literature and Youth Litereture	2+2	5

VI Semester		
The Croatian Literature of the 20 th century	2+2	5
or		
New Croatian literature II	2+2	5
Syntax of Sentence	2+2	5
Croatian Legal Terminology	2+1	5
or		
Literary microstructures or epigraphy on the eastern		
coast of the Adriatic		
	2+1	5
History of Croatian	2+2	5
or		
Croatian short prose and marginal literary-scientific		
forms	2+2	5
Final Written Paper	4	5

Graduate study- scientific course

VII Semester		
Morphology of the Croatian Standard Language	2+2	5
	2+2	5
Older Croatian Literature	2+1	5
Aesthetics	2+2	5
or		
Spiritual Culture of the Croatian Medieval Period	2+2	5
Elective course	2+1	5

VIII Semester		
Syntagmatics and Syntax of the Text	1+1	5
Contemporary Croatian Prose	2+2	5
Poetry of the 1 st and the 2nd Croatian Modernism		
(Modernism and Postmodernism)	2+1	5
or		
The Croatian Dialects	2+1	5
Comparative Literature of the Ancient World	2+1	5
or		
Myth, Ritual, Custom	2+1	5
Teaching Methods (of school reception) of the Croatian	2+2	5
Literature		

IX Semester

Miroslav Krleža	2+1	5
Elective course	2+1	5
Basic of movie art	2+1	5
Sociolinguistic Language Approach	2+1	5
or		
The Style of the Croatian-Glagolitic Sacral Texts	2+1	5
Methodical Elements in the Contemporary Teaching of		
the Croatian Language	1+1	2
Teaching Methods of Oral and Written Expression	1+1	3

X. Semester

Contemporary Methodical Elements in the Teaching of	2+1	5
Language Expression		
Media Culture in Teaching	2+1	5
Mentor's work	3	5
Graduation thesis	7	10

Graduate study- teaching course

VII Semester		
Morphology of the Croatian Standard Language	2+1	5
The Croatian Drama of the 19 th and the 20 th century	2+2	5
Croatian national reformation and its echoes in BH		
Older Croatian Literature	2+1	5
Aesthetics	2+2	5
or		
Spiritual Culture of the Croatian Medieval Period	2+2	5
Elective course	2+1	5

VIII Semester

Syntagmatics and Syntax of the Text	1+1	5
Contemporary Croatian Prose	2+2	5
Poetry of the 1 st and the 2nd Croatian Modernism		
(Modernism and Postmodernism)	2+1	5
or		
The Croatian Dialects		
Comparative Literature of the Ancient World	2+1	5
or		
Myth, Ritual, Custom	2+1	5
Teaching Methods (of school reception) of the Croatian	2+2	5
Literature		

IX semester

2+1	5
2+1	5
2+1	5
2+1	5

Sociolinguistic Language Approach	2+1	5
or		
The Style of the Croatian-Glagolitic Sacral Texts	2+1	5
Methodical Elements in the Contemporary Teaching of		
the Croatian Language	1+1	2
Teaching Methods of Oral and Written Expression	1+1	3

X. Semester

Contemporary Methodical Elements in the Teaching of	2+1	5
Language Expression		
Media Culture in Teaching	2+1	5
Mentor's work	3	5
Graduation thesis	7	10

The remaining credits form part of the pedagogical-psychological module.

Psychology of the education	2+1	5
Philosophy	2+1	5
General pedagogy	2+1	5

5.5.6. The Latin language and Roman literature

Undergraduate study

]	I.Semester		
SUBJECT	LSE	Total number of lessons	ECTS credit
Latin language I	2 0 2	60	6
Intoduction in Latin language study I	1 0 0	15	2
Greek Course I	1 0 1	30	3
Ph. train.	0 0 2	30	3
Foreign language I	0 0 2	30	2

II.Semester

SUBJECT	LSE	Total number of	ECTS
		lessons	credit
Latin language II	2 0 2	60	6
Intoduction in Latin language study II	1 0 0	15	2
Greek Course II	1 0 1	30	3
Elective subject	1 0 1	30	3
Foreign language II	0 0 2	30	2

III.Semester

SUBJECT	L S E	Total number of	ECTS
		lessons	credit
Latin language III	2 0 2	60	6
Intoduction in main topics of Roman	2 0 0	30	3
literature			
Seminar I	0 2 0	30	3
Elective subject	1 0 1	30	3

IV.Semester

SUBJECT	L S E	Total number of	ECTS
		lessons	credit
Latin language IV	2 0 2	60	6
Genesis of Roman literature through its	2 0 0	30	3
genres			
Latin historical grammar I	1 0 1	30	3
Elective subject	1 0 1	30	3

V.Semester

SUBJECT	LSE	Total number of	ECTS
		lessons	credit
Latin reading I	0 0 2	30	3
Evolution of Roman literature through its	2 0 0	30	3
genres			
Latin historical grammar II	1 0 1	30	3
Seminar II	0 2 0	30	3
Elective subject	1 0 1	30	3

VI.Semester

SUBJECT	L S E	Total number of	ECTS
		lessons	credit
Latin reading II	0 0 2	30	3
Influence of Roman literature on the world's literature	2 0 0	30	3
Latin historical grammar III	1 0 1	30	3
Baccalaurean thesis			6

Graduate study

I.Semester					
SUBJECT	L	S	Е	Total number of	ECTS
				lessons	credit
Latin reading I: Lucretius, De rerum	0	0	2	30	4
natura; Cicero, De natura deorum					
Roman Literature: Poetry and Prose	2	0	0	30	4
of the Cicero's period					
Educational Psychology	1	0	1	30	4
Pedagogy	2	1	0	45	5

11.Semester					
SUBJECT	L	S	Е	Total number	ECTS
				of lessons	credit
Latin Reading II: Iuvenalis,	0	0	2	30	4
Martialis					
Roman Literature: Poetry and Prose	2	0	0	30	4
of the Augustus's period					
Elective	0	1	1	30	3
Elective	0	1	1	30	3

II.Semester

III.Semester

			meste	•	
SUBJECT	L	S	Е	Total number	ECTS
				of lessons	credit
Latin Reading III: Apuleius, Asinus	0	0	2	30	4
aureus, De magia					
Roman Literature: The Relations	2	0	0	30	4
between the Standard and the					
Vulgar Latin in the Roman					
Literature					
Analysis of the ancient Latin	0	0	1	15	4
inscriptions					

IV.Semester

SUBJECT	LSE	Total number of	ECTS
		lessons	credit
Methodics	2 0 2	60	15
Graduation Thesis			15

5.5.7. Journalism

Undergraduate study

 I. SEMEST	T ER	
COURSE	SWH	ECTS
Introduction to journalism	125	5
Communicology	125	5
Statistics	125	5
Croatian language	62.5	5
Informatics	62.5	5

ELECTIVE COURSES - 5 ECTS

Philosophy	125	5
Management	125	5
A subject from the University	125	5

II.SEMESTER

COURSE	SWH	ECTS
Political systems	125	5
New Media	125	5
Investigative methods in journalism	125	5
Foreign language	62.5	5
Croatian language	62.5	5

ELECTIVE COURSES -5 ECTS

General history	125	5
Photo-journalism	125	5
A subject from the University	125	5

III. SEMESTER

COURSE		SWH	ECTS
Political communication		125	5
Contemporary history of Bosnia Hercegovina and Croatia	and	125	5
History of journalism		125	5
Media sociology		125	5
Rethorics		125	5

ELECTIVE COURSES - 5 ECTS

Contemporary literature	125	5
Media Houses in B&H	125	5
A subject from the University	125	5

IV. SEMESTER

COURSE	SWH	ECTS
Newspaper writing I.	125	5
Radio journalism I.	125	5
Television journalism I.	125	5
Philosopical anthropology and ethics	125	5
Agency journalism	125	5

ELECTIVE COURSES -5 ECTS

History of civilisations	125	5
History of religions	125	5
A subject from the University	125	5

V.SEMESTER

Students choose 2 media-related courses **OR** one media-related and the PR.

COURSE	SWH	ECTS
Newspaper writing II.	125	5
Radio journalism II.	125	5
Television journalism II.	125	5
Ethics in journalism	125	5
International political relations	125	5

ELECTIVE COURSES -5 ECTS

Theory of state	125	5
Theory of economic politics	125	5
A subject from the University	125	5

VI. SEMESTER

	COURSE	SWH	ECTS
	Investigating in journalism	125	5
	Croatian language and journalism stylistics	125	5
	Public relations	125	5
	Contemporary business relations and media	125	5
	Law in media	125	5
	ELECTIVE COURSES -5 EC	TS	· · · · · · · · · · · · · · · · · · ·
6.	Theory and techniques of advertising	125	5
7.	Sports journalism	125	5
	A subject from the University	125	5

Graduate study

I. SEMESTER

	COURSE	SWH	ECTS
1.	Essay and other kinds of literature and science	125	5
2.	Classical theories of state development	125	5
3.	Internet communication	125	5
4.	Methods and techniques of public opinion investigating	125	5
5.	International economic relations	125	5

ELECTIVE COURSES -5 ECTS

6.	Film	125	5
7.	State image and identity	125	5
8.	Media management	125	5
9.	A subject from the University	125	5

II. SEMESTER

COURSE	SWH	ECTS
Contemporary state theories	125	5
Media and globalisation processes	125	5
Political philosophy	125	5
Political history	125	5
English language and culture	125	5
ELECTIVE COURSES-5	ECTS	

 ELECTIVE COCRSES & LOTS			
Management in communication	125	5	
Ecology	125	5	
A subject from University	125	5	

Second year is divided into two departments: Media and journalism

Communication and public relations

Media and journalism:

Selection of media/journalistic courses:

	III.Semester	r	
	COURSE	SWH	ECTS
1.	On-line journalism	125	5
2.	Cyberpolitics, identities and communication innovations	125	5
3.	The press* in practice	125	5
4.	Radio* in practice	125	5
5.	TV in practice	125	5

ELECTIVE COURSES -5 ECTS

6.	Management in electrical media	125	5
7.	Digital emission	125	5
8.	A subject from the University	125	5

The 4th semester: master thesis

Communication and public relations

	COURSE	SWH	ECTS
1.	Interpersonal communication	125	5
2.	Contemporary communication theories	125	5
3.	Corporative communication	125	5
4.	Media and public relations	125	5
5.	Political public relations	125	5

ELECTIVE COURSES -5 ECTS

6.	Public relations in nonprofit organizations	125	5
7.	Promotive communication	125	5
8.	A subject from the University	125	5

The 4th semester: master thesis

5.5.8.Psychology

Undergraduate study

THE FIRST SEMESTER				
OBLIGATORY SUBJECTS		No. of hours	ECTS	
Introduction to psychology		1L+0S+0V	1	
Introduction to psychological metho	odology	2L+1S+2P	6	
Introduction to biological psychology		2L+1S+0P	4	
Introduction to descriptive and inferential statistics		1L+2S+0P	5	
Sensations and psychophysics		2L+1S+0P	4	
Computer applications in psycholog	<u>sy</u>	0L+1S+1P	4	
English language I		<u>0L+0S+4P</u>	2	
		20 h	26	
ELECTIVE SUBJECTS	No. of hours	The least number of	f hours of	
Introduction to genetics	1L+1S+0P	elective subjects she	ould not be less	
Introduction to informatics	1L+1S+0P	than four.		
Subjects from other courses		4 h	4	
-		Total: 24 hours	30 ECTS	

THE SECOND SEMESTER				
OBLIGATORY SUBJECTS	No. of hours	ECTS		
Practicum of experimental psychology I	2L+2S+2P	6		
Basic inferential statistics	1L+1S+1P	5		
Structure and functions of central nervous system	2L+1S+0P	4		
Perception and attention	2L+1S+1P	5		
Introduction to developmental psychology	1L+1S+0P	4		
English language II	<u>0L+0S+4P</u>	2		

		21 h	26
ELECTIVE SUBJECTS:	No. of hours	The least number of	
Special measurement techniques		elective subjects show less than four.	uld not be
in psychophysiology I Mathematics for psychologists	1L+1S+0P 1L+1S+0P	4 h	4
Subjects from other courses	1L+15+0F	Total: 25 hours	30 ECTS

Note: Student has to take two elective subjects, one of which has to be offered in the Psychology Course (category A). The second subject is chosen amongst offered elective subjects by other courses in the University (category B or C)

THE TH	IIRD SEMESTI	ER	
OBLIGATORY SUBJECTS:		No. of hours	ECTS
Practicum of experimental psychology II		0L+2S+2P	6
Vegetative and endocrine systems		2L+1S+0P	4
Child psychology		2L+1S+1P	5
Memory		1L+1S+1P	4
Theories of measurement		2L+0S+0P	3
History of psychology		1L+1S+0P	3
English language III		0L+OS+2P	1
		22 h	26
ELECTIVE SUBJECTS: Computer presentations	<u>No. of hours</u> 0L+0S+2P	The least number of elective subjects she less than four.	
Special measurement techniques	11 + 10 + 00	4 h	4
in psychophysiology II Subjects from other courses	1L+1S+0P	Total: 26 hours	30 ECTS
	URTH SEMEST		
OBLIGATORY SUBJECTS:		No. of hours	
Practicum of experimental psychology II	Ι	ECTS	
Biological basis of behaviour		0L+2S+2P	5
Psychology of learning		2L+1S+0P	4
Psychology of adolescence		1L+1S+1P	4
Introduction to social psychology		1L+1S+0P	4
Ethics in psychology		1L+1S+0P	4
English language IV		1L+1S+0V	2
		<u>0L+0S+2P</u>	1
		18 h	
ELECTIVE SUBJECTS: $\underline{\Lambda}$	lo. of hours	The least number of elective subjects sho	
Evolutionary psychology	L+1S+0P	less than six.	
Psychology of family and parenthood	L+1S+0P	<u> </u>	6
Subjects from other courses		Total: 24 hours	30 ECTS

ТН	E FIFTH SEMES	TER	
OBLIGATORY SUBJECTS:		No. of hours	ECTS
Psychological practicum I		0L+2S+2P	5
Non-experimental methods in psych	nology	1L+0S+1P	3
Thinking and language		2L+1S+0P	3
Psychology of emotion and motivat	ion	2L+2S+1P	5
Developmental psychology of adult	hood	1L+1S+0P	3
Social cognition		1L+1S+0P	3
Psychology of communication		2L+0S+1V	2
		21 h	24
ELECTIVE SUBJECTS: Psychological aspects of internet Social pathology Subjects from other courses	<u>No. of hours</u> 1L+1S+0P 1P+1S+0V	The least number of l elective subjects show than six. <u>6 h</u> Total: 27 hours	

THE SIXTH SEMESTER					
OBLIGATORY SUBJECTS:		No. of hours	ECTS		
Psychology of aging		1P+2S+0V	3		
Attitudes		2P+1S+0V	3		
Introduction to personality psych	hology	2P+1S+0V	4		
Introduction to psychology of intelligence		2P+1S+0V	3		
Introduction to industrial and or	ganizational	1P+1S+0V	3		
psychology		1P+1S+0V	3		
Introduction to clinical psycholo	ogy	1P+1S+0V	3		
Introduction to educational psyc	hology	17 h	22		
ELECTIVE SUBJECTS: Cross-cultural psychology Public opinion survey Subjects from other courses	<u>No. of hours</u> 1P+1S+0V 1P+1S+0V	The least number of elective subjects sho than eight. 8 h Total: 25 hours			

Note: Student has to take four elective subjects, two of which have to be offered in the Psychology Course (category A). The third subject is chosen amongst offered elective subjects from similar courses (category B), and the fourth offered by other courses in the University (category C)

Graduate study

THE SEVENTH	I SEMESTER	
OBLIGATORY SUBJECTS	No. of hours	ECTS
Psychometrics	2L+2S+0P	4
Personality psychology	2L+1S+0P	4
Intelligence – theories and measurements	1L+1S+1P	3
Work psychology	2L+1S+0P	3
Clinical psychology	2L+1S+0P	4
The individual and social interactions	2L+1S+0P	4
	19 h	22
The list of elective psychological subjects is unique for the seventh and eighth semester.	The least number of subjects should not l	
The choice is left to the student.	<u> </u>	8
Subjects from other courses	Total: 27 hours	30 ECTS
THE EIGHTH	SEMESTER	
OBLIGATORY SUBJECTS	No. of hours	ECTS
Psychological practicum II	0L+4S+0P	4
Educational psychology	2L+1S+2P	5
Psychological counselling	1L+0V+1P	4
Psychopathology	2L+0S+1P	3
Organizational psychology	2L+1S+0P	3
Group and inter-group relation psychology	<u>1L+1S+0P</u>	3
	19 h	22
The list of elective psychological subjects is unique for the seventh and eighth semester. The choice is left to the student.	The least number of subjects should not l	hours of elective be less than eight.
Subjects from other courses	<u> </u>	8
	Total: 27 hours	30 ECTS
ELECTIVE SUBJECTS FOR THE SE	VENTH AND EIGH	TH SEMESTER
	No. of hours	ECTS
Psychology of human sexuality I	1L+1S+0P	2
Psychology of human sexuality II	1L+1S+0P	2
Work physiology and ergonomics	1L+0S+1V	2
Attachment during life time	1L+1S+0P	2
Forensic psychology	1L+1S+0P	2
Psychoneuroimmunology	1L+1S+0P	2

		1		
Neurotransmitter systems		1L+1	S+0P	2
Psycholinguistics		1L+1	S+0P	2
Psychology of creativity		2L+1	S+0P	2
Social psychology of aging		1L+2	S+0P	2
Psychology of social justice		1L+1	S+0P	2
Advanced multivariate analyses		1L+1	S+0P	2
Methods and techniques of dyad relation analysis	n	1L+1	S+1P	2
Introduction to artificial intelligence and cognitive modelling	ł	•	S+1P S+1V	2
Experimental paradigms in cognitive psychology		0L+2	S⊤1 v	Z
THE N	INTH S	SEMES	TER	
OBLIGATORY SUBJECTS FOR AI	L		No. of hours	ECTS
MODULES			1L+1S+1P	6
Advanced topics in psychometrics			1L+1S+1P	4
Basics of cognitive neuroscience			Total: 6 h	10
ELECTIVE MODULES			No. of hours	Total ECTS
<u>Hours ECTS</u>			23	30
Developmental – educational module	17 h	20	24	30
Clinical module	18 h	20	24	30
Work psychology and human				

Faculty of Philosophy	Faculty	of	Philosophy
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THE TENTH SEMESTER					
OBLIGATORY FOR ALL MODU	LES			ECTS	
Work on the final thesis				20	
ELECTIVE MODULES	<i>Hours</i>	ECTS	No. of hours	Total ECTS	
Developmental - educational module	7 h	10	7	30	
Clinical module	7 h	10	7	30	
Work psychology and human			6	30	
potentials module	6 h	10			

18 h

20

potentials module

Description of module

DEVELOPMENTAL – EDUCATIONAL MODULE – the ninth semester				
	No. of hours	ECTS		
Cognitive development and learning	1L+1S+1P	3		
Emotions and motivation in education	1L+1S+1P	3		
Social psychology in education	1L+1S+1P	3		
Stress and coping	1L+1S+0P	3		
Research methods of developmental changes	1L+0S+2P	3		
Applied psycholinguistics	1L+1S+0P	3		
Preventive programmes in the community	1L+0S+1P	2		
	18 h	20		
Obligatory subjects	+ 6 h	+ 10		
6 7 3	Total: 24 h	30 ECTS		

DEVELOPMENTAL – EDUCATIONAL MODULE – the tenth semester

	No. of hours	ECTS
Developmental psychopathology	1L+1S+0P	3
Psychology of exceptional persons	1L+1S+0P	3
Psychology of teaching	1L+0S+1P	4
	6 h	10
Work on the final thesis		+20
	Total:	30 ECTS

	No. of hours	ECTS
Basics of psychotherapy and counselling	2L+1S+1P	5
Practicum in psychodiagnostics	0L+0S+4P	4
Health psychology	1L+1S+0P	2
Stress and coping	1L+1S+0P	3
Contemporary research methods in clinical		
osychology	1L+0S+1P	2
Forensic clinical psychology	1L+1S+0P	2
Preventive programmes in the community	1L+0S+1P	2
	18 h	20 ECTS
Obligatory subjects	+ 6 h	+10
	Total: 24 h	30 ECTS

CLINICAL MODULE – the tenth semester

	No. of hours	ECTS
Psychology of exceptional persons	1L+1S+0P	3
Developmental psychopathology	1L+1S+0P	3
Clinical neuropsychology	<u>1L+1S+1P</u>	4
	7 h	10 ECTS
Work on the final thesis		+20
	Total:	30 ECTS

WORK PSYCHOLOGY AND HUMAN	POTENTIALS MODU	LE – the ninth semest
	No. of hours	ECTS
Motivation and job satisfaction	1L+2S+0P	3
Marketing and market research	1L+1S+1P	3
Stress at work	1L+2S+0P	3
Biological rhythms and shift work	1L+1S+0P	3
Professional orientation and selection	1L+2S+1P	4
Work evaluation methods	<u>1L+1S+1P</u>	4
	18 h	20 ECTS
Obligatory subjects	+ 6 h	+10
	Total: 24 h	30 ECTS

WORK PSYCHOLOGY AND	HUMAN POTENTIALS MODULE – the tenth semester
WORK ISICHOLOGI AND	IIOMAN I OILNIIALS MODULL – me tenin semester

	No. of hours	ECTS
Human resource management	1L+1S+0P	3
Management in work organization	1L+1S+0P	3
Time series analyses	<u>1L+0S+1P</u>	4
	Total: 6 h	10 ECTS
Work on the final thesis		+20
	Total:	30 ECTS

5.5.9. Art History

Undergraduate study

Major	Title of the course	L	S	PC	ECTS		
	1 st semester						
A1	1. Introduction to Visual Arts	2	2	0	6		
A1	2. Elements of Architecture	2	1	0	4		
A1	3. Introduction to Iconology	2	1	0	5		
FoPh	4. Elective course (FoPh)				5		
A2	5. B major				10		

A2	6. B major			
			Total	30

Title of the course	L	S	PC	ECTS
2 nd s	emester			
1. Art of Antiquity	2	1	0	5
2. Art of Late Ant. and E.M.A.	2	1	0	5
3. Elective course	1	1	0	5
4. Elective course (FoPh)				5
5. B major	najor			
6. B major				10
			Total	30

	III. semester				
A1	1. Romanesque Art	2	1	0	5
A1	2. Renaissance and Baroque Visual Arts I	2	1	0	5
A1	3. Elective course	1	1	0	5
A2	4. Elective course A2				
A2	5. B major				15
				Total	30

IV. semester	•	_		
1. Gothic Art	2	1	0	5
2. Renaissance and Baroque Architecture II	2	1	0	5
3. Elective course	1	1	0	5
4. B major				
5. B major				15
6. B major				
			Total	30

	V. semester				
A1	1. Art of the 19 th and 20 th Century	2	1	0	5
	2. Muzeology and Heritology	2	1	0	5
A2/A1	3. Elective course A2	-	-	-	5
A2	4. B major				15

A2	5. B major			
A2	6. B major			
			Total	30

VI. sen	lester			
1. Theory and History of Art History	2	0	0	5
2. Protection of Monuments	2	0	0	5
3. Elect. course A1	-	-	-	5
4. B major				
5. B major				15
6. B major				
			Total	30

Graduate study

Title of the course	L	S	Р	ECTS	Title of the course	L	S	PC	ECTS
VII. sem	este	r			VIII. semester				
1. Methodics of Teaching Art History	2	2	1	5	1. Research Activities and Methods I	0	2	1	5
2. Teaching Materials for Art History	1	1	0	3	2. Elective course of the module	1	1	1	5
3. Practical Work	0	0	2	2	3. ZNK				10
4. ZNK				10	4. B major				10
5. B major				10					
IX. sem	ester	•			X. sei	nest	er		
1. Reasearch Activities and Methods II	0	2	1	5					
2. Elective course of the module (PF)	1	1	1	5	Diploma paper A				20
3. ZNK	-	-	-	5					
4. B major				5					
				-	Diploma paper B				20

5.5.10.German language and literature

Undergraduate study

I.SEMESTER				
		Hours	ECTS	
1. German Language Practice I		6	4	
2. Introduction to the Study of German Language		2	4	
3. Introduction to the Study of German Literature		2	4	
4. Elective courses		2	3	
	Total	12	15	

II.SEMESTER

		Hours	ECTS
1. German Language Practice II		6	4
2. German Phonetics and Phonology		1	4
3. German Literature: Storm and Stress and Weimar		2	4
Classicism			
4. Elective courses		2	3
	Total	12	15

III.SEMESTER

		Hours	ECTS
1. German Language Practice III		4	4
2. Morphology of Contemporary German Language		2	4
3. Realism and Naturalism in German Literature		2	4
4. Elective courses		2	3
	Total	10	15

IV.SEMESTER

		Hours	ECTS	
1. German Language Practice IV		4	3	
2. Introduction to Contemporary German Syntax		1	4	
3. History of the German Language		1	2	
4. German 20 th Century Poetry		2	3	
5. Elective courses		2	3	
	Total	12	15	

V.SEMESTER

		HOURS	ECTS
1. German Language Practice V		4	4
2. Syntax of Complex sentences in Conten	nporary	1	4
German Language			
3. German 20 th Century Drama		2	4
4. Elective courses		2	3
	Total	12	15

V1.5	DENIESIE	ĸ		
		HOURS	ECTS	
1. German Language Practice VI		4	4	
2. Lexicology and Lexicography		2	4	
3. German 20 th Century Prose		2	4	
4. Elective courses		2	3	
	Total	10	15	

VI.SEMESTER

Note: Students choose as many electives for the current semester as needed to have the minimum of 15 ECTS credits per semester for taking the next semester.

Elective course

COURSES		ırs			ECTS
COUNSES	L	Е	S	Total	Leib
1. German Culture and Civilization	-	-	2	2	3
2. Swiss and Austrian Culture and Civilization	-	-	2	2	3
3. Early Prose of G. Grass	-	-	2	2	3
4. Goethe's Faust	-	-	2	2	3
5. Literature of Biedermayer Period and Young Germany	-	-	2	2	3
6. Viennese Modernism	-	-	2	2	3
7. German Love Poetry	-	-	2	2	3
8. Conugated and Nonconugated Verbforms in Contemporary German	-	1	2	2	3
9. Conversation Classes I	-	2	-	2	3
10. Conversation Classes II	-	2	-	2	3
11. Introduction to Rhetorics		-	2	2	3

5.5.11. History

Undergraduate study

I.Semester		
	Lecture (L)	ECTS
COMPULSORY COURSES	Seminar (S)	Credits
	Practice (P)	
1. Introduction to History and the Methodology	L + S + P = 60	6
	(4 weekly)	
2. Old History of the East	$L + S^* = 60$	4 /or/ 2
	(4 weekly)	
3. History of Hellas and Roman Empire and the Ancient	$L + S^* = 75$	5 /or/ 7
History of Our Lands	(5 weekly)	
	* Students choose	
	one seminar	
4. Relevant Foreign Language I*	30	(1+1)
* LANGUAGES		
Foreign Language I		

- Knowledge of Latin and knowledge of one relevant		
foreign language at the level of text understanding is the		
precondition for the completion of an undergraduate		
program. Students attend foreign language courses in the		
first or the second semester, depending on their schedule.		
TOTAL HOURS AND CREDITS	180 + 30 = 210	15 (17)

II. Semester		
COMPULSORY COURSES	Lecture (L) Seminar (S)	ECTS Credits
1. European and World History in the Middle Ages	$L (4) + S (2)^* = 90$ (6 weekly)	7 /or/ 5
2. Croatian Medieval History	$L (4) + S (2)^* = 90$ (6 weekly)	5 /or/ 7
3. European Regions and History of B-H in the Middle Ages	L = 30 (2 weekly)	3
	* Students choose one seminar	
4. Relevant Foreign Language II*	30	(1+1)
TOTAL HOURS AND CREDITS	180 + 30 = 210	15 (17)

III. Semester

COMPULSORY COURSES	Lecture (L) Seminar (S)	ECTS Credit
		S
1. European and World History in the Early Modern Period	$L + S^* = 60$	6 /or/
	(4 weekly)	3
1. European and World History in the Early Modern Period	$L + S^* = 60$	6 /or/
		3
2. Croatian History in the Early Modern Period	L + S = 60	6
	(4 weekly)	
3. European Regions and History of B-H in the Early	$L + S^* = 60$	3 /or/
Modern Period	(4 weekly)	6
	* Students choose	
	one seminar	
TOTAL HOURS AND CREDITS	150	15

IV.Semester		
COMPULSORY COURSES	Lecture (L) Seminar (S)	Credit s
1. European and World History in the 19 th Century	$L + S^* = 60$ (4 weekly)	6 /or/ 3
2. Croatian History in the 19 th Century	L + S = 60 (4 weekly)	6
3. European Regions and Croatian History in the 19 th Century	L+S*=60 (4 weekly)	3 /or/ 6
	* Students choose one seminar	

TOTAL HOURS AND CREDITS	150	15

V.Semester		
COMPULSORY COURSES	Lecture (L) Seminar (S)	Credit s
1. European and World History 1918-1945	L + S = 60 (4 weekly)	6
2. Croatia and B-H History from 1918 - 1945	L + S = 60 (4 weekly)	5
3. Croatian nation in the Second World War	P = 30	2
3. History of the Historiography	P = 30 (2 weekly)	2
TOTAL HOURS AND CREDITS	180	15

VI.Semester		
COMPULSORY COURSES	Lecture (L) Seminar (S)	ECTS Credit
		S
1. European and World History after 1945	L + S = 60	6
	(4 weekly)	
2. Croatian and B-H History after 1945	L + S = 60	6
	(4 weekly)	
3. Auxiliary History Sciences	L + P = 30	3
5	(2 weekly)	
TOTAL HOURS AND CREDITS	150	15

Graduate study

VII Semester		
OBLIGATORY COURSES	Lecture (L) Seminar (S) Practice (V)	ECTS Credits
1. Fundamental knowledge about education	L + S = 30 (2 weekly)	4
2. Models of the teacher training	L + S = 30 (2 weekly)	4
3. Psychology of studying	L + S = 30 (2 weekly)	4
4. Foreign language I	P = 30 (2 weekly)	2
5. M.A. thesis - defining and acceptance of the subject of the thesis	6	6
TOTAL	14: 2 = 7	20: 2 = 10
Courses at the graduate two-major progra	am of history studies	
OPTIONAL COURSE I	L + S = 30 (2 weekly)	5
TOTAL NUMBER OF HOURS AND CREDITS	9	15

	Faculty	of	Philosophy
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VIII Semester		
OBLIGATORY COURSES	Lectures (L) Seminar (S)	ECTS Credits
	Practice (P)	
1. Theories of Education in Praxis	L+S = 30 (2	4
	weekly)	
2. Didactics	L + S = 30 (2	4
	weekly)	
3. Educational psychology	L + S = 30 (2	4
	weekly)	
4. Foreign language I	P = 30 (2 weekly)	2
5. M.A. thesis - scientific and research work	6	6
TOTAL	14: 2 = 7	20: 2 = 10
Courses at the Graduate two-major studies programme		
OPTIONAL COURSE II	L + S = 30 (2	5
	weekly)	
TOTAL NUMBER OF HOURS AND COURSES	9	15

VIII Semester

IX Semester Lecture (L) ECTS **OBLIGATORY COURSES** Seminar (S) credits Practice (V) 1. M.A. thesis - scientific and research work 6 6 6: 2 = 3 TOTAL 6: 2 = 3 Courses at the graduate studies of history 2. Methodics of history teaching L + S = 60 (4)4 weekly) L + S + P = 60 (4)3. Methodology of history research 4 weekly) L + S = 30 (2)4 **OPTIONAL COURSES III** weekly) **TOTAL - HOURS AND POINTS** 13 15

X.Semester

OBLIGATORY COURSES	Lecture (L) Seminar (S) Practice (V)	ECTS credits
1. M.A. thesis - writing and defence	14	6
TOTAL	14: 2 = 7	14: 2 = 7
Courses at the Graduate two-major st	udies programme	
2. Work with a mentor and practice at school	S + P = 60 (4	4
	weekly)	
3. Analysis of the authentic historical materials	L + S + P = 60 (4	4
	weekly)	
TOTAL - HOURS AND CREDITS	15	15

LIST OF OPTIONAL COURSES OF THE HISTORY CURRICULUM

LIST OF OPTIONAL COURSES OF THE HISTORY CURRICULUM
Roman Mines of Gold, Silver, Lead and Iron at Our Lands
Ancient History of Our Lands
Early Christianity at Illirian-Panonian Lands
Christianity I
Christianity II
Medieval Croatian Nobility
Civilization of Byzant
Venice and Eastern Coast of the Adriatic Sea in Middle Age
Slavonia in Middle Age
Tomb Stones 'stećci' at B-H area
History of Dubrovnik and Republic of Dubrovnik (Ragusa)
Auxiliary History Sciences I
Auxiliary History Sciences II
Auxiliary History Sciences III
Auxiliary History Sciences IV
History of viticulture and wine making in our lands
Ideologies of Totalitarianism in the 20th century and Croatians
Ethnos, Nation and Identity
Cultural Politics - the question of identity in B-H from 1945-1990
Nations and international relations in B-H from 1945 - 2000
Socialism - democracy or repression in B-H from 1945 -1990
Optional course*

5.6. FACULTY OF SCIENCE AND EDUCATION

At the Faculty of science and education, University of Mostar students enrol into undergraduate and graduate study of : Biology Chemistry Biology – Chemistry Mathematics – Physics Mathematics - Comupter Science Physics – Computer Science Pedagogy – Computer Science Kinesiology Music Education Primary Education Pree – school teacher Degree: bachelor master Duration: 3+2 year (4 +0- music education and 5+0 primary education) Status of study: Full time and part time study Entry requirements: General college entrance requirements with additional qualifications which is diferent for each major.

Contact information:

Address: Fakultet prirodoslovno matematičkih i odgojnih znanosti Matice Hrvatske b.b. 88000 Mostar Telephone: +387 36 325 - 636; web site: www.sve-mo.ba/fpmoz/ e-mail:fpmoz.mostar@tel.net.ba

5.6.1. Biology

The undergraduate study

Course title	L + S+ P	ECTS
General Chemistry I	45+15+0	7
Laboratory Exercises in General Chemistry I	0+0+60	4
The Cell Biology	45+0+0	4
Laboratory Exercises of Cell Biology	0+0+30	2
General Zoology	30+0+0	4
Laboratory Exercises of General Zoology	0+0+45	2
Mathematics	30+15+0	4
Foreign language	0+30+0	2
Field Lessons	15+0+0	1
Physical exercising I	30+0+30	
Total	165+60+135	30
Total hours per week	24 (8K+11B)	

11.Semester		
Course title	L+S+P	ECTS
General Botany	30+0+0	3
Laboratory Exercises of General Botany	0+0+45	2
Human Anatomy	30+0+0	3
Organic Chemistry and Biochemistry	30+15+45	3
Foreign language	0+30+0	1
Field Lessons	15+0+0	1
Physical exercising II	30+0+30	
Total	(135+45+120)	13
Total hours per week	20	

II.Semester

III. Semester

Course title	L+S+P	ECTS
Molecular Biology	30+15+0	5
Histology and Embriology	45+0+0	5
Practical Skills of Histology and Embriology	0+0+30	2
Genetics	30+0+0	3
Laboratory Exercises of Genetics	0+0+30	2
Total	(105+15+60)	17
Total hours per week	12	

IV.Semester

I V ISem		
Course title	L+S+P	ECTS
Invertebrates	30+0+0	5
Laboratory Exercises of Invertebrates	0+0+45	2
Algae and Fungus	30+0+0	5
Laboratory Exercises of Algae and Fungus	0+0+45	2
Field Lessons	30+0+0	2
Total	(90+0+90)	16
Total hours per week	12	

V.Semester

Course title	L + S + P	ECTS
Vertebrates	30+0+0	3
Laboratory Exercises of Vertebrates	0+0+45	2
Plant Physiology	45+0+0	4
Laboratory Exercises of Plant Physiology	0+0+45	2
Pedagogy	30+30+0	4
Field Lessons	15+0+0	1
Total	120+30+90	16
Total hours per week	16	

VI.Semester

Course title	L+S+P	ECTS
Animal Physiology	45+0+0	5
Laboratory Exercises of Animal	0+0+45	2
Physiology		

Plant Taxonomy	30+0+0	4
Laboratory Exercises of Plant Taxonomy	0+0+45	2
Field Lessons	15+0+0	2
Total	90+0+90	15
Total hours per week	12	

The Graduate Study

I.Semes	ter	
Course title	L+S+P	ECTS
Evolution	30+0+30	3
Ecology of Animals and Biogeography	45+0+0	4
Laboratory Exercises of Ecology of Animals	0+0+30	2
and Biogeography		
Field Lessons	15+0+0	1
Microbiology	30+0+0	4
Laboratory Exercises of Microbiology	0+0+30	3
Educational Psychology	30+15+0	2
Elective courses in Biology	30+0+30	3
Total	180+15+120	22
Total hours per week	21	

II.Semester

Course title	L+S+P	ECTS
Plant Ecology with Geobotany	45+0+0	5
Laboratory Exercises of Plant Ecology with	0+0+30	3
Geobotany		
Field Lessons	15+0+0	2
Elective courses in biology	30+0+30	3
Total	90+0+60	13
Total hours per week	10	

III.Semes	ter	
Course title	L+S+P	ECTS
Teaching Methodology of Biology I	30+0+0	4
Seminar of Biology Teaching Methodology I	0+30+0	4
Practicum of Biology Teaching Methodology I	0+0+30	4
Elective courses in biology	30+0+30	3
Total	60+30+60	15
Total hours per week	10	

IV.Semester		
Course title	L+S+P	ECTS
Teaching Methodology of Biology II	30+0+0	4
Seminar of Biology Teaching Methodology II	0+30+0	3
Practicum of Biology Teaching Methodology II	0+0+30	3
Diploma Thesis		5
Total	30+30+30	15
Total hours per week	6	

IV Somostor

Elective courses in	biology
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Elective courses in biology			
Marine Biology	30+0+15	3	
Limnology	30+0+15	3	
Human Evolution	30+0+0	3	
Bacteria, viruses and subviral agents	30+0+15	3	
Developmental biology	30+0+30	3	
Entomology	30+0+30	3	
Plant animal interaction	15+0+15	1,5	
Cultivation of plants	15+0+15	1,5	
Diversity of the Flora and Vegetation	15+0+15	1,5	
Flora and Vegetation of the Inland	15+0+15	1,5	
Waters			
Principles and Methods in Plant	15+0+15	1,5	
Taxonomy			
Threatened and Rare Flora of Bosnia	15+0+15	1,5	
and Herzegovina			

5.6.2. Biology and Chemistry

The Undergraduate Study

I.Semester		
Course title	L + S+ P	ECTS
General Chemistry I	45+15+0	7
Laboratory Exercises in General Chemistry I	0+0+60	4
The Cell Biology	45+0+0	4
Laboratory Exercises of Cell Biology	0+0+30	2
General Zoology	30+0+0	4
Laboratory Exercises of General Zoology	0+0+45	2
Mathematics	30+15+0	4
Foreign language	0+30+0	2
Field Lessons	15+0+0	1
Physical exercising I	30+0+30	
TOTAL	165+60+135	30
TOTAL HOURS PER WEEK	24 (8K+11B)	

II.Semester

Course title	L + S+ P	ECTS
General Chemistry II	45+15+0	7
Laboratory Exercises in General Chemistry II	0+0+60	4
General Botany	30+0+0	4
Laboratory Exercises of General Botany	0+0+45	3
Human Anatomy	30+0+0	4
Physics	30+0+15	4
Foreign language	0+30+0	2
Field Lessons	15+0+0	1
Physical exercising II	30+0+30	
TOTAL	150+45+120	30
TOTAL HOURS PER WEEK	21 (8K+7B)	

Course title	L + S + P	ECTS
Analytical Chemistry I	30+15+0	5,5
Laboratory Exercises in Analytical Chemistry I	0+0+60	3
Organic Chemistry I	45+15+0	7
Molecular Biology	30+15+0	5,5
Histology and Embriology	30+0+0	3
Practical Skills of Histology and Embryology	0+0+30	1,5
Genetics	30+0+0	3
Laboratory Exercises of Genetics	0+0+30	1,5
TOTAL	165+45+120	30
TOTAL HOURS PER WEEK	22 (12K+11B)	

III.Semester

IV.Semester

Course title	L + S+ P	ECTS
Analytical Chemistry II	30+15+0	5
Laboratory Exercises in Analytical Chemistry II	0+0+60	3
Organic Chemistry II	45+15+0	6
Invertebrates	30+0+0	5
Laboratory Exercises of Invertebrates	0+0+45	2
Algae and Fungus	30+0+0	5
Practical Skills of Alge and Fungus	0+0+45	2
Field Lessons	30+0+0	2
TOTAL	165+30+150	30
TOTAL HOURS PER WEEK	23(11k+8b)	

V.Semester		
Course title	L + S+ P	ECTS
Biochemistry I	45+15+0	7
Laboratory Exercises in Organic Chemistry	0+0+60	3
Vertebrates	30+0+0	5,5
Laboratory Exercises of Vertebrates	0+0+45	2
Plant Physiology	45+0+0	6,5
Laboratory Exercises of Plant Physiology	0+0+45	2
Pedagogy	30+30+0	5
Field Lessons	15+0+0	1
TOTAL	165+45+150	30
TOTAL HOURS PER WEEK	24 (8k+12b)	

VI.Semester		
Course title	L + S+ P	ECTS
Biochemistry II	45+15+0	7
Laboratory Exercises in Biochemistry	0+0+60	3
Inorganic Chemistry	45+15+0	6,5
Animal Physiology	45+0+0	4
Laboratory Exercises of Animal Physiology	0+0+45	2
Plant Taxonomy	30+0+0	4,5
Laboratory Exercises of Plant Taxonomy	0+0+45	2

Field Lessons	15+0+0	1
TOTAL	180+30+150	30
TOTAL HOURS PER WEEK	24 (12k+12b)	

The Graduate Study

I.Semester			
Course title	L + S + P	ECTS	
Physical Chemistry I	45+15+0	6	
Laboratory Exercises in Inorganic Chemistry	0+0+60	3	
Evolution	30+0+30	4,5	
Ecology of Animals and Biogeography	45+0+0	4	
Laboratory Exercises of Ecology of Animals and Biogeography	0+0+30	2	
Field Lessons	15+0+0	1	
Educational Psychology 1	30+15+0	4	
Microbiology	30+0+0	3,5	
Laboratory Exercises of Microbiology	0+0+30	2	
TOTAL	195+30+135	30	
TOTAL HOURS PER WEEK	24 (7k+14b)		

II.Semester

Course title	L + S + P	ECTS
Physical Chemistry II	45+15+0	7
Laboratory Course in Physical Chemistry	0+0+60	4
Plant Ecology with Geobotany	45+0+0	5
Laboratory Exercises of Plant Ecology with Geobotany	0+0+30	2
Instrumental methods of analysis	30+15+15	5
Field Lessons	15+0+0	1
Elective courses in Biology and Chemistry		3
TOTAL	135+30+105*	30
TOTAL HOURS PER WEEK	18 (8k+6b)*	

III.Semester

Course title	L + S+ P	ECTS
Teaching Methodology of Chemistry	30+0+0	4
Seminar of Chemistry Teaching Methodology	0+30+0	4
Practicum of Chemistry Teaching Methodology	0+0+45	4
Teaching Methodology of Biology	30+0+0	4
Seminar of Biology Teaching Methodology	0+30+0	4
Practicum of Biology Teaching Methodology	0+0+30	4
Elective courses in Biology	30+15+15	3
Elective courses in Chemistry	30+0+30	3
TOTAL	120+85+120	30
TOTAL HOURS PER WEEK	13*	

IV.Semester

Course title	L + S + P	ECTS
Teaching Methodology of Chemistry	30+0+0	4
Seminar of Chemistry Teaching Methodology	0+30+0	3

Practicum of Chemistry Teaching Methodology	0+0+45	3
Teaching Methodology of Biology	30+0+0	4
Seminar of Biology Teaching Methodology	0+30+0	3
Practicum of Biology Teaching Methodology	0+0+30	3
Student's Teaching Practice	0+45+0	3
Diploma Thesis		7
TOTAL	60+105+75	30
TOTAL HOURS PER WEEK	16*	

Elective course in Chemistry

Course title	L + S + P	ECTS
Polymer Chemistry	30+0+0	3
Special leacture in Inorganyc chemistry		3
Environmental Chemistry	30+15+15	3
Separation Methods and Speciation	30+15+15	3
Biotechnology	15+0+0	1
Natural Toxins in Seawater	15+0+0	1
Orthopaedic biomaterials	15+0+0	1
Protection of metals by organic inhibitors	15+0+0	1
Modern teaching tehnology	15+30+0	2
Marine Ecology	30+0+15	3
Limnology	30+0+15	3
Human evolution	30+0+0	3
Bacteria, viruses and subviral agents	30+0+15	3
Developmental biology	30+0+30	3
Entomology	30+0+30	3
Plant cultivation	15+0+15	1,5
Plant animal interaction	15+0+15	1,5
Diversity of the Flora and Vegetation	30+0+15	3
Flora and Vegetation of the Inland	30+0+15	3
Waters		
Principles and Methods in Plant	30+0+15	3
Taxonomy		
Threatened and Rare Flora of Bosnia and Herzegovina	30+0+15	3

5.3. Chemistry

The Undergraduate study

1 st Semester		
Course title	L+S+P	ECTS
General Chemistry I	45+15+0	7
Laboratory Exercises in General Chemistry I	0+0+60	4
Foreign language	0+30+0	2
Physical exercising I	30+0+30	

Total	75+45+90	13
Total hours per week	14	

2nd Semester

Course title	L+S+P	ECTS
General Chemistry II	45+15+0	7
Laboratory Exercises in General Chemistry II	0+0+60	4
Foreign language	0+30+0	2
Physical exercising II	30+0+30	
Total	75+45+90	13
Total hours per week	14	

3 rd Semester		
Course title	L+S+P	ECTS
Analytical Chemistry I	30+15+0	5,5
Praktikum iz analitičke kemije I	0+0+60	3
Organic Chemistry I	45+15+0	7
Total	75+30+60	15,5
Total hours per week	11	

4 th Semester	
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Course title	L+S+P	ECTS
Analytical Chemistry II	30+15+0	5
Laboratory Exercises in Analytical Chemistry II	0+0+60	3
Organic Chemistry II	45+15+0	6
Total	75+30+60	14
Total hours per week	11	

5 th Semester		
Course title	L+S+P	ECTS
Biochemistry I	45+15+0	7
Laboratory Exercises in Organic Chemistry	0+0+60	3
Pedagogy	30+30+0	5
Total	75+45+60	15
Total hours per week	12	

6 th Semester		
Course title	L+S+P	ECTS
Biochemistry II	45+15+0	7
Laboratory Exercises in Biochemistry	0+0+60	3
Inorganic Chemistry	45+15+0	6,5
Total	90+30+60	16,5
Total hours per week	12	

The Graduate study

1 st Semester		
Course title	L+S+P	ECTS
Physical Chemistry I	45+15+0	6
Practicum from anorgan chemistry	0+0+60	3
Psihology of education	30+15+0	4
Total	75+30+60	13
Total hours per week	11	

2 nd Semester		
Course title	L+S+P	ECTS
Physical Chemistry II	45+15+0	7
Laboratory Course in Physical Chemistry	0+0+60	4
Instrumental methods of analysis	30+15+15	5
Elective courses	*	3
Total	75+30+75	19
Total hours per week	12	

Course title	L+S+P	ECTS
Teaching Methodology of Chemistry I	30+0+0	4
Seminar from chemistry methodics	0+30+0	4
Practicum from chemistry lecture	0+0+45	4
Elective course from chemistry	30+15+15	3
Total	60+45+60	15
Total hours per week	11*	

4 th Semester		
Course title	L+S+P	ECTS
Teaching Methodology of Chemistry II	30+0+0	4
Seminar of Chemistry Teaching Methodology	0+30+0	3
Practicum of Chemistry Teaching Methodology	0+0+45	3
Student's Teaching Practice	0+45+0	3
Diploma Thesis		7
Total	30+75+45	20
Total hours per week	10*	

Elective courses in Chemistry			
Course title	L + S+ P	ECTS	
Polymer chemistry	30+0+0	3	
Special leacture in Inorganyc chemistry	30+15+15	3	
Environmental Chemistry (Atmosferic Chemistry)	30+15+15	3	
Separation Methods and Speciation	30+15+15	3	
Biotechnology	15+0+0	1	
Natural toxins in seawater	15+0+0	1	
Orthopaedic biomaterials	15+0+0	1	
Protection of metals by organic inhibitors	15+0+0	1	
Modern teaching tehnology	15+30+0	2	

5.4. Kinesiology

Undergraduate study

	1 st semester			
Course code	Course title	Type of course /Course structure/	ECTS	
	MANDATORY – OBLIGATORY COURSES			
	Functional Anatomy	60+0+30	7	
	Athletics 1 T&M	30+0+30	6	
	Volleyball T&M (Handball T&M - females)	45+0+30	6	
	The Basis of Kinesiological Transformational Processes (Introduction in Kinesiology)	45+0+30	6	
	Biomechanics	45+0+30	5	
TOTAL:	·	225+0+150	30	
* L+S+P				

T&M – Theory and Methodics

	2 nd semestar			
Course code	Course title	Type of course /Course structure/	ECTS	
	MANDATORY – OBLIGATORY COURSES			
	Football - Soccer T&M (Rhythmic Gymnastics T&M 1- females)	45+0+30	6	
	Physiology (Introduction in Physiology)	30+0+15	4	
	Swimming 1 T&M	30+0+30	5	
	Athletics 2 T&M	30+0+45	6	
	Handball T&M (Volleyball T&M – females)	45+0+30	6	
	Psychology (Introduction in Psychology)	30+15+0	3	
TOTAL:	· · · · · · · · · · · · · · · · · · ·	210+15+150	30	
* L+S+P		•	•	

T&M – Theory and Methodics

	3 rd semester		
Course code	Course title	Type of course /Course structure/	ECTS
	MANDATORY – OBLIGATORY COURSES		

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* L+S+P			
TOTAL:		195+0+180 (165)	30
	Kinesitherapy	45+0+45	7
	Sport Gymnastics 1 T&M	45+0+30	7
	T&M - females)		2
	Waterpolo T&M (Rhythmic gymnastics 2	30+0+30	5
	Swimming 2 T&M	30+0+30	5
	Dances (Basketball T&M - females)	45+0+45 (30)	6

T&M – Theory and Methodics

Course title	Type of course	ECTS
	/Course structure/	
MANDATORY – OBLIGATORY COURSES		
Kinesiological Recreation	45+0+30	6
Martial arts 1 T&M	30+0+30	4
Basketball T&M (Dances - females)	45+0+30(45)	6
Sport Gymnastics 2 T&M	30+0+30	6
Sports on Water 1 T&M	30+0+30	5
ELECTIVE COURSES		
Foreign language - English	0+30+0	3
Foreign language - German	0+30+0	3
	180+30+150 (165)	30
	COURSES Kinesiological Recreation Martial arts 1 T&M Basketball T&M (Dances - females) Sport Gymnastics 2 T&M Sports on Water 1 T&M ELECTIVE COURSES Foreign language - English	MANDATORY – OBLIGATORY COURSES /Course structure/ MANDATORY – OBLIGATORY COURSES 45+0+30 Martial arts 1 T&M 30+0+30 Basketball T&M (Dances - females) 45+0+30(45) Sport Gymnastics 2 T&M 30+0+30 Sports on Water 1 T&M 30+0+30 ELECTIVE COURSES 5 Foreign language - English 0+30+0 Foreign language - German 0+30+0 180+30+150 (165) 180+30+150 (165)

T&M-Theory and Methodics

	5 th semester			
Course code	Course title	Type of course /Course structure/	ECTS	
-	MANDATORY – OBLIGATORY COURSES			
	Theory of Sport Training	45+15+0	5	
	Systematic kinesiology 1	60+0+0	4	
	Pedagogy	30+30+0	4	
	Skiing 1 T&M (Alpine skiing)	30+15+0	4	
	Sports Medicine (Introduction in Sports Medicine)	15+0+30	4	
	ELECTIVE COURSES			
	The Basis of the Neurology	30+0+15	5	
	The basis of the Internal Medicine	30+0+15	4	
	Kinesiological and anthropological analysis in Handball	60+0+45	9	
	Kinesiological and anthropological analysis in Basketball	60+0+45	9	

	Kinesiological and anthropological analysis	60+0+45	9
	in Rhythmic gymnastics		
	Kinesiological and anthropological analysis	60+0+45	9
	in Martial arts		
	Kinesiological and anthropological analysis	60+0+45	9
	in Water Sports		
	Kinesiological and anthropological analysis	60+0+45	9
	in Athletics		
	Kinesiological and anthropological analysis	60+0+45	9
	in Volleyball		
	Kinesiological and anthropoloigical analysis		
	in Sport Gymnastics		
	Kinesiological and anthropoloigical analysis		
	in Swimming		
	Kinesiological and anthropological analysis	60+0+45	9
	in Condition Training		
	Physical Activity, Fitness and Health	60+45+0	9
TOTAL:		210+60+75	30
* L+S+P	· · · · · · · · · · · · · · · · · · ·		

T&M – Theory and Methodics

	6 th semester		
Course code	Course title	Type of course /Course structure/	ECTS
	MANDATORY – OBLIGATORY COURSES		
	Introduction in Kinesiological Methodics	30+15+15	6
	Kinesiological training procedures and processes	30+0+30	4
	ELECTIVE COURSES		
	Introduction to Computing	30+0+30	5
	Methodics in Kinesitherapy	60+0+45	9
	Methodics in Handball Training	60+0+45	9
	Methodics in Basketball Training	60+0+45	9
	Methodics in Rhythmic gymnastics Training	60+0+45	9
	Methodics in Martial Arts Training	60+0+45	9
	Methodics in Water-Sport Training	60+0+45	9
	Methodics in Athletics Training	60+0+45	9
	Methodics in Volleyball Training	60+0+45	9
	Methodics in Sport Gymnastics		
	Methodics in Swimming		
	Methodics in Conditioning Training	60+0+45	9
	Methodics in Fitness and Recreation	60+0+45	9
	The basis of the patopsychology	30+0+15	4
	Physical medicine and rehabilitation	30+0+15	4
	Training programming and Control in Handball	60+0+45	8

	Training programming and Control in Basketball	60+0+45	8
	Training programming and Controin Rhythmic Gymnastics	60+0+45	8
	Training programming and Control in Martial Arts	60+0+45	8
	Training programming and Control in Water- Sports	60+0+45	8
	Training programming and Control in Athletics	60+0+45	8
	Training programming and Control in Volleyball	60+0+45	8
	Training programming and Control in Sport Gymnastics		
	Training programming and Control in Swimming		
	Training programming and Control in Conditioning-Training	60+0+45	8
	Training programming and Control in Recreation and Fitness	60+0+45	8
TOTAL:		210+0+165	30

Note: Mandatory courses (10 ECTS) + Elective Courses (20 ECTS) = 30 ECTS

	1 st semester		
Course code	Course title	Type of course /Course structure/	ECTS
	MANDATORY – OBLIGATORY COURSES		
	Anthropology in kinesiology	30+0+30	5
	Quantitative methods 1 (Statistics in Kinesiology)	30+0+15	4
	Martial arts 2 – T&M	30+0+30	5
	Skiing 2 – T&M	15+0+15	3
	Methodics in Kinesiology 1	45+0+30	6
	Practice in PE Methodics (kindergarten and elementary school)	0+0+15	1
	ELECTIVE COURSES		
	Yoga	15+0+15	2
	Sociology in Sport	30+0+15	3
	Sport biomechanics	30+15+0	3
	History of sport	30+15+0	3
	Fitness T&M	30+0+15	3
	Aesthetic movements in sports	15+0+15	2

	Tae-kwon-do	15+0+15	2
	Free climbing	15+0+15	2
	Psychology of self-confidence and positive thinking	15+15+0	2
	Logic	15+15+0	2
	Docimology	15+15+0	2
	Research and scientific engagement	30	2
TOTAL:		375	30
* L+S+P			

T&M – Theory and Methodics

2 nd semester			
Course code	Course title	Type of course /Course structure/	ECTS
	MANDATORY – OBLIGATORY COURSES		
	Methodics in kinesiology 2	45+0+30	6
	Quantitative methods 2 (Advanced statistics in kinesiology)	30+0+15	5
	Didactics	30+15+0	4
	Practice in PE Methodics (elementary and high school)	0+0+30	2
	ELECTIVE COURSES		
	Kinesitherapy in sport injury rehabilitation	15+0+15	2
	Psychology in kinesiology (Sport psychology)	30+0+15	3
	Economics and marketing in applied kinesiology	30+15+0	3
	Aerobics T&M	30+0+15	3
	Beach handball T&M	15+0+15	2
	Mini handball		
	Foreign language 2 - English	0+45+0	4
	Foreign language 2 - German	0+45+0	4
	Sociology of Science	15+0+15	2
	Philosophy of science	15+15+0	2
	Research and scientific engagement	30	2
TOTAL:		375	30
* L+S+P			

T&M - Theory and Methodics

3 rd semester			
Course code	Course title	Type of course /Course structure/	ECTS
	MANDATORY – OBLIGATORY		

COURSES Sports on the water 2 T&M 30+0+30 5 Systematic kinesiology 2 30+30+0 5 Kinesiological physiology (Physiology of 30+0+30 6 sport and exercise) ELECTIVE COURSES 15+0+15 Self-defence 2 Sociology in kinesiology 45+15+0 4 Sport tourism 30+0+15 3 Racquet sports T&M 30+0+15 3 Military kinesiology 30+0+15 3 Management in sport 30+0+0 2 Introduction in Comunicology 3 30+0+0 Sociology of education 15+0+15 2 Foreign language 3 15+0+15 2 Research and scientific engagement 30 2 TOTAL: 375 30 * L+S+P

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T&M – Theory and Methodics

	4 th semester		
Course	Course title	Type of course	ECTS
coue		/Course structure/	
	MASTER THESIS		20
	ELECTIVE COURSES		
	Methodology of the scientific work in Kinesiological Methodics	15+0+15	2
	Research in Kinesiological transformational processes	15+0+15	2
	Beach volley T&M	15+0+15	2
	Skiing 3 T&M	15+0+15	2
	Rock'n'roll	15+0+15	2
	Sport dance		
	Croatian society in transition	15+0+15	2
	Psychology of the self motivation	15+15+0	2
TOTAL:		375	30
* L+S+P			

T&M-Theory and Methodics

5.5. Physics and Computer Science

Undergraduate study

	1 st Semester			
Course code	Course title	Course structure L+S+E+P*	ECT S	
	Mathematics I	45+0+45+0	8	
	General Physics I	60+0+30+0	8	
	Introduction to computing	30+0+30+0	5	
	Programming I	15+0+30+0	4	
	Computer lab I	0+0+30+0	3	
	Foreign language I	0+45+0+0	2	
Total:	·	150+45+165+0=360	30	
* L=Lectu	res, S=Seminars, E= exercises, P=Practical (Lab	ooratory)		

	2 nd Semester				
Course code	Course title	Course structure L+S+E+P*	ECTS		
	Mathematics II	45+0+45+0	8		
	General Physics II	60+15+30+0	9		
	General-Physics Laboratory I	0+0+0+40	3		
	Programming II	30+0+30+0	5		
	Computer lab II	0+0+30+0	3		
	Foreign language II	0+45+0+0	2		
Total:		135+60+135+40=370	30		
* L=Lectu	res, S=Seminars, E= exercises, P=Practical (Lab	oratory)			

	3 rd Semester				
Course code	Course title	Course structure L+S+E+P*	ECTS		
	Mathematics III	45+0+45+0	9		
	General-Physics Laboratory II	0+0+0+40	3		
	General Physics III	60+0+30+0	8		
	Data structures and algorithms	30+0+30+0	5		
	Introduction to artificial intelligence	30+0+30+0	5		
Total:		165+0+135+40=340	30		
* L=Lectu	res, S=Seminars, E= exercises, P=Practical (Lal	boratory)			

	4 th Semester		
Course code	Course title	Course structure	ECTS
couc		L+S+E+P*	
	Mathematics IV	30+0+30+0	6
	General-Physics Laboratory III	0+0+0+40	3
	General Physics IV	60+0+30+0	8
	Classical Mechanics I	30+0+15+0	4
	Databases	30+0+30+0	5
	Elective (students choose 4 ECTS credits f	rom the offered courses)	
	Visual modelling	15+15+0+0	3
	Mathematical Software Tools 2	0+0+15+0	1
	Seminar in General Physics	0+15+0+0	1
	Technology oriented entrepreneurship	15+30+0+0	3
Total:		Max. 365	30
* L=Lectu	ires, S=Seminars, E= exercises, P=Practical (I	Laboratory)	
	5 th Semester		[
Course			
Course	Course title	Course structure	ECTS
code	Course title	Course structure L+S+E+P*	ECTS
	General-Physics Laboratory IV		ECTS
		L+S+E+P*	
	General-Physics Laboratory IV	L+S+E+P*	3 4 4
	General-Physics Laboratory IV Classical Mechanics II	L+S+E+P* 0+0+0+40 30+0+15+0	$ \frac{3}{4} \frac{4}{5} $
	General-Physics Laboratory IV Classical Mechanics II Electrodynamics I	L+S+E+P* 0+0+0+40 30+0+15+0 30+0+15+0	$\begin{array}{r} 3\\ 4\\ 4\\ 5\\ 5\\ 5\end{array}$
	General-Physics Laboratory IV Classical Mechanics II Electrodynamics I Statistical physics Object oriented programming Expert systems	L+S+E+P* 0+0+0+40 30+0+15+0 30+0+15+0 30+15+15+0 30+0+30+0 30+0+30+0	$\begin{array}{r} 3\\ 4\\ 4\\ 5\\ 5\\ 5\\ 5\\ 5\end{array}$
	General-Physics Laboratory IV Classical Mechanics II Electrodynamics I Statistical physics Object oriented programming	L+S+E+P* 0+0+0+40 30+0+15+0 30+0+15+0 30+15+15+0 30+0+30+0 30+0+30+0 30+30+0+0	$ \begin{array}{r} 3\\ 4\\ 4\\ 5\\ 5\\ 5\\ 4\\ \end{array} $
code Total:	General-Physics Laboratory IV Classical Mechanics II Electrodynamics I Statistical physics Object oriented programming Expert systems Pedagogy (**)	L+S+E+P* 0+0+0+40 30+0+15+0 30+0+15+0 30+15+15+0 30+0+30+0 30+0+30+0 30+30+0+0 180+45+105+40=370	$\begin{array}{r} 3\\ 4\\ 4\\ 5\\ 5\\ 5\\ 5\\ 5\end{array}$
code Total: * L=Lectu	General-Physics Laboratory IV Classical Mechanics II Electrodynamics I Statistical physics Object oriented programming Expert systems Pedagogy (**) ures, S=Seminars, E= exercises, P=Practical (1)	L+S+E+P* 0+0+0+40 30+0+15+0 30+0+15+0 30+15+15+0 30+0+30+0 30+0+30+0 30+0+30+0 180+45+105+40=370 Laboratory)	3 4 4 5 5 5 4 30
code Total: * L=Lectu ** Studen	General-Physics Laboratory IV Classical Mechanics II Electrodynamics I Statistical physics Object oriented programming Expert systems Pedagogy (**) Irres, S=Seminars, E= exercises, P=Practical (1) ts who do not intend to continue graduate stud	L+S+E+P* 0+0+0+40 30+0+15+0 30+0+15+0 30+15+15+0 30+0+30+0 30+0+30+0 30+0+30+0 180+45+105+40=370 Laboratory) dy of physics and informatics	3 4 4 5 5 5 4 30 30
code Total: * L=Lectu ** Studen	General-Physics Laboratory IV Classical Mechanics II Electrodynamics I Statistical physics Object oriented programming Expert systems Pedagogy (**) ures, S=Seminars, E= exercises, P=Practical (I ts who do not intend to continue graduate stud greement with the study programme supervis	L+S+E+P* 0+0+0+40 30+0+15+0 30+0+15+0 30+15+15+0 30+0+30+0 30+0+30+0 30+0+30+0 180+45+105+40=370 Laboratory) dy of physics and informatics	3 4 4 5 5 5 4 30 30
code Total: * L=Lectu ** Studen select in a	General-Physics Laboratory IV Classical Mechanics II Electrodynamics I Statistical physics Object oriented programming Expert systems Pedagogy (**) ures, S=Seminars, E= exercises, P=Practical (I ts who do not intend to continue graduate stud greement with the study programme supervis	L+S+E+P* 0+0+0+40 30+0+15+0 30+0+15+0 30+15+15+0 30+0+30+0 30+0+30+0 30+0+30+0 180+45+105+40=370 Laboratory) dy of physics and informatics or, instead of Pedagogy, one 30+0+15+0	3 4 4 5 5 5 4 30 30
code Total: * L=Lectu ** Studen select in a	General-Physics Laboratory IV Classical Mechanics II Electrodynamics I Statistical physics Object oriented programming Expert systems Pedagogy (**) tres, S=Seminars, E= exercises, P=Practical (I ts who do not intend to continue graduate study greement with the study programme supervisi courses:	L+S+E+P* 0+0+0+40 30+0+15+0 30+0+15+0 30+15+15+0 30+0+30+0 30+0+30+0 30+0+30+0 180+45+105+40=370 Laboratory) dy of physics and informatics or, instead of Pedagogy, one	$ \begin{array}{r} 3\\ 4\\ 4\\ 5\\ 5\\ 4\\ 30\\ \hline \\ 5 \text{ can}\\ \text{ of the } \end{array} $
code Total: * L=Lectu ** Studen select in a	General-Physics Laboratory IV Classical Mechanics II Electrodynamics I Statistical physics Object oriented programming Expert systems Pedagogy (**) tres, S=Seminars, E= exercises, P=Practical (I ts who do not intend to continue graduate stud greement with the study programme supervis courses: Electronic basics I	L+S+E+P* 0+0+0+40 30+0+15+0 30+0+15+0 30+15+15+0 30+0+30+0 30+0+30+0 30+0+30+0 180+45+105+40=370 Laboratory) dy of physics and informatics or, instead of Pedagogy, one 30+0+15+0	3 4 4 5 5 4 30 s can of the 4

6 th Semester			
Course code	Course title	Course structure L+S+E	ECTS
	Electrodynamics II	30+0+15	4
	Quantum physics I	30+0+15	5

Operating Systems	30+0+30	5
Computer Architecture	30+0+30	5
Computer lab III	0+0+30	3
Didactics	30+30+0	4
Specialized-pedagogical practice	0+0+15	1
Final undergraduate seminar	0+1+0	3
Total:	150+31+135=316	30
* L=Lectures, S=Seminars, E= exercises		
** Students who do not intend to continue graduate study of	physics and informatics	can
select in agreement with the study programme supervisor, in	stead of Didactics and	
Specialized-pedagogical practice, some of the following cou	rses:	
Visual modelling	15+15+0+0	3
Electronic Basics II	30+0+15+0	4
Environmental Science	30+0+10+0	4
Mathematical Software Tools 2	0+0+15+0	1
Seminar in General Physics	0+15+0+0	1
Technology oriented entrepreneurship	15+30+0+0	3
Physics in Medicine	20+0+0+0	2
Computer graphics	30+0+30+0	5
Human Computer Interaction I: Fundamentals	30+0+30+0	5
and Principles		
Language Culture	15+15+0+0	2

Graduate study

	1 st Semester			
Course code	Course title	Course structure L+S+E+P*	ECTS	
	Quantum physics II	30+0+15+0	5	
	Physics education I	30+30+0+30	7	
	Computer networks	30+0+30+0	5	
	Network application programming	15+0+15+0	3	
	Methodology of teaching Informatics I	30+30+30+0	7	
	Educational psychology I	30+15+0+0	3	
Total:		165+75+120=360	30	
* L=Lectu	rres, S=Seminars, E= exercises, , P=Practical (L	aboratory)		

2 nd Semester			
Course code	Course title	Course structure L+S+E+P*	ECTS
	Physics education II	30+30+0+30	7
	Methodology of teaching Informatics II	30+30+30+0	7
	Distributed Systems (A1) / Computer graphics(B1)	30+0+30+0	5
	Intelligent agents (A2) / Human Computer	30+0+30+0	5

	Interaction I: Fundamentals and Principles (B2)		
	Educational psychology II	30+15+0+0	3
	Elective (Students choose one of the offered		
	courses) Introduction to atomic and molecular physics	15+15+0+0	3
	Physics of the Seas and Oceans	20+0+10+0	3
Total:	· · ·	Max. 375	30
* L=Lectu	ires, S=Seminars, E= exercises	·	

	3 rd Semester		
Course code	Course title	Course structure L+S+E *	ECTS
	History of physics	30+0+0	3
	Solid state physics	30+0+15	4
	Seminar in physics education	0+45+0	3
	E-learning systems (A3) / Human Computer Interaction II: Interaction Design (B3)	30+0+30	5
	Distance learning systems (A4)/ Software engineering (B4)	30+0+30	5
	Sociology of education	15+15+0	2
	Elective courses: student choose 8 credits		
	Chaos and fractals	30+0+0	3
	Introduction to Geophysics	30+15+0	4
	Introduction to Superconductivity	30+0+0	3
	Global climate changes	30+0+0	3
	Astronomy and astrophysics	30+0+15	4
	Experimental methods of modern physics	30+0+15	4
	Research Methodology in Education	15+0+15	2
	Logic	15+0+15	2
	Rhetoric	0+15+15	2
	Docimology	15+15+0	2
	Psychology of self-confidence and positive thinking	15+15+0	2
	German Language I	15+15+0	2
Total:		Maks. 375	30
* L=Lectu	ires, S=Seminars, E= exercises		
	4 th Semester		
Course	Course title	Course structure	ECTS
code		L+S+E +P*	
	Methodological informatics seminar with practice	0+45+0	3
	Diploma Thesis	0+9+0	27
Total:	· ·	0+54+0=54	30

5.6. Mathematics and Physics

Undergraduate study

	1 st Semester			
Course code	Course title	Course structure* L+S+E+P	ECTS	
	Introduction to Mathematics	45+0+45+0	8	
	Introduction to Algebra with Analytic Geometry	45+0+45+0	8	
	Mathematical basis of general physics	20+0+25+0	4	
	General Physics I	60+0+30+0	8	
	Foreign language I	0+45+0+0	2	
Total:		175+45+145+0=360	30	
* L=Lectu	ires, S=Seminars, E= exercises, P=Practical (La	boratory)		

	2 nd Semester		
Course code	Course title	Course structure* L+S+E+P	ECTS
	Differential and Integral Calculus I	45+0+45+0	9
	Linear Algebra	45+0+45+0	9
	General Physics II	60+15+30+0	9
	General-Physics Laboratory I	0+0+0+40	3
Total		150+15+125+40=325	30
* L=Lectu	res, S=Seminars, E= exercises, P=Practical (Lab	ooratory)	

	3 rd Semester			
Course code	Course title	Course structure* L+S+E+P	ECTS	
	Differential and Integral Calculus II	45+0+45+0	9	
	Ordinary Differential Equations	30+0+30+0	6	
	Introduction to computing in physics	20+0+25+0	4	
	General-Physics Laboratory II	0+0+0+40	3	
	General Physics III	60+0+30+0	8	
Total		155+0+130+40=325	30	
* L=Lectu	rres, S=Seminars, E= exercises, P=Practical (Lal	ooratory)		

	4 th Semester			
Course code	Course title	Course structure* L+S+E+P	ECTS	
	Combinatorial and discrete mathematics	45+0+45+0	8	
	Programming in physics	30+0+30+0	5	
	General-Physics Laboratory III	0+0+0+40	3	
	General Physics IV	60+0+30+0	8	
	Classical Mechanics I	30+0+15+0	4	
	Foreign language II	0+45+0+0	2	
Total	·	165+45+120+40=370	30	
* L=Lectu	res, S=Seminars, E= exercises, P=Practical (Lal	boratory)		

	5 th Semester		
Course code	Course title	Course structure*	ECTS
couc		L+S+E+P	
	Introduction to number theory	30+0+30+0	5
	General-Physics Laboratory IV	0+0+0+40	3
	Classical Mechanics II	30+0+15+0	4
	Electrodynamics I	30+0+15+0	4
	Statistical physics	30+15+15+0	5
	Pedagogy	30+30+0+0	4
	Elective mathematical course (students		
	choose one of the offered courses)		
	Vector spaces I	30+0+30+0	5
	Set Theory	30+0+30+0	5
	Mathematical Logic	30+0+30+0	5
Total		185+45+105+40=370	30
* L=Lectu	res, S=Seminars, E= exercises, P=Practical (Lab	ooratory)	
	ts who do not intend to continue graduate study		
	greement with the study programme supervisor,		of the
elective m	athematical courses above or one of the following	ng courses:	
	Electronic basics I	30+0+15+0	4
	Introduction to meteorology	30+0+10+0	4
	Introduction to geophysics	30+0+15+0	4
	Astronomy and astrophysics	30+0+15+0	4
	Optimization	30+0+30+0	5

	6 th Semester			
Course code	Course title	Course structure*	ECTS	
		L+S+E+P		
	Introduction to probability and statistics	45+0+45	8	
	Introduction to Numerical Mathematics	30+0+30	5	
	Electrodynamics II	30+0+15	4	
	Quantum physics I	30+0+15	5	
	Didactic	30+30+0	4	
	Specialized-pedagogical practice	0+0+15	1	
	Final undergraduate seminar	0+1+0	3	
Total		165+32+120=317	30	
select in a	ts who do not intend to continue graduate study greement with the study programme supervisor, d-pedagogical practice, some of the following c	instead of Didactics and	s can	
	Electronic Basics II	30+0+15	4	
	Environmental Science	30+0+10	4	
	Mathematical Software Tools 2	0+0+15	1	
	Seminar in General Physics	0+15+0	1	
	Physics in Medicine	20+0+0	2	
	Physics of the Seas and Oceans	20+0+10	3	
	Multiprocessor computing	30+0+30	5	
	Numerical Linear Algebra	30+0+30	5	
	Financial Mathematics	30+0+30	5	

Graduate study

	1 st Semester			
Course code	Course title	Course structure* L+S+E+P	ECTS	
	Methods of Instruction in Mathematics	30+30+30+0	7	
	Real analysis	45+0+30+0	7	
	Quantum physics II	30+15+15+0	6	
	Physics education I	30+30+0+30	7	
	Educational psychology I	30+15+0+0	3	
Total:	· · · · · · · · · · · · · · · · · · ·	165+90+75+30=360	30	
* L=Lectu	* L=Lectures, S=Seminars, E= exercises, P=Practical (Laboratory)			

2 nd Semester			
Course code	Course title	Course tructure* L+S+E+P	ECTS
	Methods of Instruction in Mathematics	30+30+30+0	7
	Complex Analysis	30+0+30+0	6
	Fundamentals of Geometry	30+0+30+0	5
	Physics education II	30+30+0+30	7
	Educational psychology II	30+15+0+0	3
	Elective courses (students choose one of the off	ered courses)	
	Life and physical environment	15+0+0+0	2
	Language Culture	15+15+0+0	2
	Philosophy of science	15+15+0+0	2
	Media in education	15+15+0+0	2
	Research Methodology in Education	15+15+0+0	2
	Psychology of self motivation	15+15+0+0	2
	Sociology of science	15+15+0+0	2
	Physics in Medicine	20+0+0+0	2
	Nuclear Physics	30+0+15+0	4
	Introduction to atomic and molecular physics	15+15+0+0	3
Total:	* * *	Max. 390	min. 30

	3 rd Semester			
Course code	Course title	Course structure* L+S+E	ECTS	
	Algebraic structures	30+0+30	5	
	Solid state physics	30+0+15	4	
	History of physics	30+0+0	3	
	Seminar in physics education	0+45+0	3	
	Sociology of education	15+0+15	2	
	Elementary particles	30+0+15	4	
	Diploma thesis	0+0+1	2	
	Elective courses (students choose 7 credits fro	m offered courses)		
	Astronomy and astrophysics	30+0+15	4	
	Introduction to Superconductivity	30+0+0	3	
	Experimental methods of modern physics	30+0+15	4	
	Chaos and fractals	30+0+0	3	
	Introduction to geophysics	30+0+15	4	
	Basics of Relativistic Physics	20+0+0	3	
	Global climate changes	30+0+0	3	
Total:		Max. 375	30	
* L=Lectu	ires, S=Seminars, E= exercises			

4 th Semester			
Course code	Course title	Course structure* L+S+E	ECTS
	Educational Practice in Mathematics	0+45+0	3
	History of Mathematics	30+0+0	3
	Diploma thesis	0+8+0	24
Total:		30+57+0=87	30
	ires, S=Seminars, E= exercises	30.07.00	

5.7. Mathematics and Computer Science

Undergraduate study

	1st Semester		
Course code	Course title	/Course structure/ L+S+P"	ECTS
PMM001	Introduction to Mathematics	45+0+45	8
PMM002	Introduction to Algebra with Analytic Geometry	45+0+45	8
PMI000	Introduction to Computing	30+0+30	5
PMI003	Programming I	15+0+30	4
PMI006	Computer Lab I	0+0+30	3
PMS001	English Language I	0+45+0	2
Total:		135+45+180	30

	2nd Semester		
Course code	Course title	/Course structure/ L+S+P	ECTS
PMM003	Differential and Integral Calculus 1	45+0+45	9
PMM101	Linear Algebra	45+0+45	9
PMM003	Programming II	30+0+30	5
PMI010	Computer Lab II	0+0+30	3
PMS002	English Language II	0+45+0	2
	Elective Social Science and Humanities	15+15+0	2
	Course		
Total		135+60+150	30

	Elective Social Science and Humanities Courses			
Course code	Course title	/Course structure/ L+S+P	ECTS	
	GENERAL COURSES			
PMS101	Philosophy of Science	15+15+0	2	
PMS104	Language Culture	15+15+0	2	
PMS111	Sociology of Science	15+15+0	2	
	EDUCATIONAL COURSES			
PMS108	Psychology of Self-Motivation	15+15+0	2	
PMS114	Methodology of Scientific Research in Education	15+15+0	2	

	3rd Semester		
Course	Course title	/Course structure/	ECTS
code		L+S+P	
PMM007	Differential and Integral Calculus 2	45+0+45	9
PMM103	Ordinary Differential Equations	30+0+30	6
PMI111	Data Structures and Algorithms	30+0+30	5
PMI116	Introduction to Artificial Intelligence	30+0+30	5
PMS007	Educational Psychology I	30+15+0	3
PMS008	Sociology of Education	15+15+0	2
Total		180+30+135	30

	4th Semester			
Course code	Course title	/Course structure/ L+S+P	ECTS	
PMM106	Combinatorial and Discrete Mathematics	45+0+45	8	
PMM116	Complex Analysis	30+0+30	6	
PMI113	Databases	30+0+30	5	
PMI115	Computer Lab III	0+0+30	3	
PMI114	Computer Architecture	30+0+30	5	
PMS116	Educational Psychology II	30+15+0	3	
Total		180+45+135	30	

	5th Semester		
Course	Course title	/Course structure/	ECTS
code		L+S+P	
PMM109	Real Analysis	45+0+30	7
PMM102	Introduction to Number Theory	30+0+30	5

BBBBBBBBBBBBB			
PMM006	Mathematical Software Tools 1	0+0+15	1
PMI118	Object Oriented Programming	30+0+30	5
PMI228	Computer Networks	30+0+30	5
PMI120	Network Application Programming	15+15+0	3
PMS005	Pedagogy	30+30+0	4
Total		180+45+135	30

6th Semester			
Course	Course title	/Course structure/	ECTS
code		L+S+P	
PMM107	Fundamentals of Geometry	30+0+30	5
PMM115	Introduction to Probability and Statistics	45+0+45	8
PMM108	Introduction to Numerical Mathematics	30+0+30	5
PMI123	Operating Systems	30+0+30	5
PMS000	Didactics	30+30+0	4
PMS006	Specialized-Pedagogical Practice	0+0+15	1
PMM117/	Final Undergraduate Seminar	0+1+0	2
PMI155	-		
Total		165+31+150	30

Graduate Study

1st Semester			
Course code	Course title	Course structure L+S+P	ECTS
PMM201	Vector Spaces 1	30+0+30	5
	Elective Group Z1	30+0+30	5
PMM301	Methods of Instruction in Mathematics	30+30+30	7
PMI233	Methodology of Teaching Informatics I	30+30+30	8
PMI119	Expert Systems	30+0+30	5
Total:	· · · ·	150+60+150	30
	Elective Group Z1		
Course code	Course title	Course structure L+S+P	ECTS
PMM110	Logic	30+0+30	5
PMM119	Optimization	30+0+30	5

	2nd Semester		
Course code	Course title	Course structure L+S+P	ECTS
	Elective Group LJ	30+0+30	6

		or 30+0+45	
PMM301	Methods of Instruction in Mathematics	30+30+30	7
PMI239	Methodology of Teaching Informatics II	30+0+30	4
PMI125	Visual Modelling	15+15+0	3
	Elective Computer Science Course I	30+0+30	5
	Elective Computer Science Course II	30+0+30	5
Total:		165+45+150	30
		or 165+45+165	
	Elective Group LJ		
Course code	Course title	Course structure L+S+P	ECTS
PMM210	Numerical Linear Algebra	30+0+30	5
PMM010	Mathematical Software Tools 2	0+0+15	1
PMM120	Introduction to Differential Geometry	30+0+30	6
PMM114	Introduction to Topology	30+0+30	6
	Elective Computer Science Courses I	and II*	
Course code	Course title	Course structure L+S+P	ECTS
PMI235	Distributed Systems (IA)	30+0+30	5
PMI238	Intelligent Agents (IIA)	30+0+30	5
PMI236	Human Computer Interaction I: Fundamentals and Principles (IB)	30+0+30	5
PMI237	Computer Graphics (IIB)	30+0+30	5

Faculty of Science and Education

	3rd Semester		
Course code	Course title	Course structure L+S+P	ECTS
PMM111	Algebraic Structures	30+0+30	5
	Elective Group Z2	30+0+30	5
PMM204	Mathematical Foundation of Computing	30+0+30	5
	Elective Computer Science Course III	30+0+30	5
	Elective Computer Science Course IV	30+0+30	5
PMM221/ PMI256	Graduate Seminar	0+15+0	1
PMM223/ PMI257	Diploma Thesis	0+1+0	4
Total:		150+16+150	30
	Elective Group Z2		
Course code	Course title	Course structure L+S+P	ECTS
PMM118	Numerical Analysis 1	30+0+30	5

Faculty	of Science	and Education

PMM202	Metric Spaces	30+0+30	5
PMM112	Set Theory	30+0+30	5
PMM014	Constructive Methods in Geometry	30+0+30	5
Elective Computer Science Courses III and IV**			
Course code	Course title	Course structure L+S+P	ECTS
PMI230	E-Learning Systems (III A)	30+0+30	5
PMI242	Distance Learning Systems (IV A)	30+0+30	5
1 10112 12			
PMI244	Human Computer Interaction II: Interaction Design (III B)	30+0+30	5

	4th Semester		
Course code	Course title	Course structure L+S+P	ECTS
PMM009	History of Mathematics	30+0+0	3
PMM303	Educational Practice in Mathematics	0+0+45	3
PMI247	Methodological Informatics Seminar with Practice	0+30+45	5
PMM221/ PMI256	Graduate Seminar	0+15+0	1
PMM223/ PMI257	Diploma Thesis	0+6+0	18
Total:		30+51+90	30

5.8. Music education

	1 st Semester			
Course Code	Course title	Course structure	ECTS	
	Solfeggio 1	15+15+0+0	3	
	Fundamentals of Harmony 1	15+15+0+0	3	
	Fundamentals of Vocal Technique 1	15+15+0+0	2	
	Applied Piano Harmony I	15+0+0+0	2	
	Piano 1	15+0+0+0	2	
	Guitar1	15+0+0+0	2	
	Choir 1	45+0+0+15	3	
	Conducting 1	30+0+0+0	2	
	Psychology of Education 1	0+30+0+0	3	
	Church Music 1	0+30+0+0	3	
	Elective courses (2)			
	Introducing the Music Instruments 1	0+15+0+0	2	

UKUPNO		30
Computer Literacy	0+15+0+15	3
Italian 1	0+15+0+15	3
English 1	0+15+0+15	3
Mandolin 1	15+0+0+0	2

	2 nd Semester		
Course Code	Course title	Course structure	ECTS
	Solfeggio 2	15+15+0+0	3
	Fundamentals of Harmony 2	15+15+0+0	3
	Fundamentals of Vocal Technique 2	15+15+0+0	2
	Applied Piano Harmony 2	15+0+0+0	2
	Piano 2	15+0+0+0	2
	Guitar 2	45+0+0+15	2
	Choir 2	30+0+0+0	3
	Conducting 2	0+30+0+0	2
	Psychology of Education 2	0+30+0+0	3
	Church Music 2	0+30+0+0	3
	Elective courses (2)		
	Introducing the Music Instruments 2	0+15+0+0	2
	Mandolin 2	15+0+0+0	2
	English 2	0+15+0+15	3
	Italian 2	0+15+0+15	3
	Applied computing	0+15+0+15	3
UKUPNO			30

	3 rd Semester			
Course Code	Course title	Course structure	ECTS	
	Solfeggio 3	15+15+0+0	3	
	Fundamentals of Classic Harmony	15+15+0+0	3	
	Applied Piano Harmony 3	15+0+0+0	3	
	Piano 3	15+0+0+0	2	
	Guitar 3	15+0+0+0	2	
	Choir 3	45+0+0+15	3	
	Conducting 3	15+15+0+0	2	
	Didactics 1	0+30+0+0	3	
	Introduction to Art History 1	0+30+0+0	3	
	Elective courses (2)			
	Church Music 3	0+30+0+0	3	
	English 3	0+15+0+15	3	
	Computer Literacy	0+15+0+15	3	

Mandolin 1	15+0+0+0	2
		30

	4 th Semester			
Course Code	Course title	Course structure	ECTS	
	Solfeggio 4	15+15+0+0	3	
	Fundamentals of Romantic Harmony	15+15+0+0	3	
	Applied Piano Harmony 4	15+0+0+0	3	
	Piano 4	15+0+0+0	2	
	Guitar 4	15+0+0+0	2	
	Choir 4	45+0+0+15	3	
	Conducting 4	15+15+0+0	2	
	Didactics 2	15+15+0+0	3	
	Introduction to Art History 2	0+30+0+0	3	
	Elective courses (2)			
	Church Music 4	0+30+0+0	3	
	Mandolin 2	15+0+0+0	2	
	English 4	0+15+0+15	3	
	Applied computing	0+15+0+15	3	
			30	

5 th Semester			
Course Code	Course title	Course structure	ECTS
	Solfeggio 5	15+15+0+0	3
	Vocal Polyphony 1	15+15+0+0	3
	Arranging for Ensembles 1	0+20+10+0	3
	Elements of Music Forms	0+30+0+0	3
	Music History 1	0+30+0+0	3
	Piano 5	15+0+0+0	2
	Playing Scores 1	15+0+0+0	2
	Choir 5	45+0+0+15	3
	Pedagogy of Music 1	0+30+0+0	3
	Elective courses (2)		
	Conducting 5	15+0+0+0	2
	Mandolin 1	15+0+0+0	2
	Introduction to Musicology 1	0+30+0+0	3
	Aesthetics of Music 1	0+30+0+0	3
	·		30

	6 th Semester			
Course Code	Course title	Course structure	ECTS	
	Solfeggio 6	15+15+0+0	3	
	Vocal Polyphony 2	15+15+0+0	3	
	Arranging for Ensembles 2	15+15+0+0	3	
	Musical Styles and Forms from the 16 th to the 18 th Century	0+30+0+0	3	
	Music History 2	0+30+0+0	3	
	Piano 6	15+0+0+0	2	
	Playing Scores 2	15+0+0+0	2	
	Choir 6	45+0+0+15	3	
	Pedagogy of Music 2	0+30+0+0	3	
	Elective courses (2)			
	Conducting 6	15+0+0+0	2	
	Mandolin 2	15+0+0+0	2	
	Introduction to Musicology 2	0+30+0+0	3	
	Aesthetics of Music 2	0+30+0+0	3	
			30	

7th Semester

Course Code	Course title	Course structure	ECTS
	Instrumental Polyphony 1	15+15+0+0	3
	Arranging for Ensembles 3	0+15+0+15	3
	Musical Styles and Forms of the 19 th Century	0+20+0+0	3
	Music History 3	0+30+0+0	3
	Piano 7	15+0+0+0	2
	Playing Scores 3	15+15+0+0	2
	Choir 7	45+0+0+15	3
	Ethnomusicology 1	0+30+0+0	3
	Methods of Teaching Music 1	15+0+15+0	3
	Elective courses (1)		
	Conducting 7	15+15+0+0	2
	Mandolin 1	15+0+0+0	2
	Introduction to Sociology	0+30+0+0	3
			30
	8 th Semester	-	
Course Code	Course title	Course structure	ECTS
Cour			
	Instrumental Polyphony 2	15+15+0+0	3
	Arranging for Ensembles 4	0+15+0+15	3
	Musical Styles and Forms of the 20 th Century	0+20+0+0	3
	Music History 4	0+30+0+0	3

Piano 8	15+0+0+0	2
Playing Scores 4	15+15+0+0	2
Choir 8	45+0+0+15	3
Ethnomusicology 2	0+30+0+0	3
Methods of Teaching Music 2	15+0+15+0	3
Elective courses (1)		
Conducting 8	15+15+0+0	2
Mandolin2	15+0+0+0	2
Sociology of Culture	0+30+0+0	3
		30

5.9. Study in Education

The undergraduate study

Year/ sem.	Obligatory courses	Hours per	ECTS
		week	
I./I.	The Basic Knowledge of Education	1+1	2
	Statistics in Educational Research I	2+2	4
	Education and Society I	1+1	2
	General History of the Study of Education	2+2	3
	Foreign Language	1+1	1
	Total course credits		12
	Elective subjects		
	General Psychology	1+1	2
	Computer Literacy		
	Elective subject		

Year/ Sem.	Obligatory subjects	Hours per week	ECTS
I./II.	Introduction to the Study of Education	1+1	2
	Statististics in Educational Research II.	2+2	4
	Education and Society II.	1+1	2
	National History of the Study of Education	1+1	2
	Foreign Language	1+1	1
	Total course credits		11
	Elective subjects		
	Introduction to Developmental Pcychology	1+1	3
	Elective subject		

Year/	Obligatory subjects	Hours per	ECTS
Sem.		week	
II./III.	History of Educational Theories	2+1	4
	Introduction to Research Methodology	2+2	4
	School Study of Education	2+2	4
	Total course redits		12
	Elective subjects		
	Distant Computer Learning		

Elective subject	

Year / Sem	Obligatory subjects	Hours per week	ECTS
II./IV.	Methodology of educational research	2+2	4
	School Study of Education II.	2+2	4
	Psychology of Learning		3
	Total course credits		11
	Elective courses		
	Reformist Trends at the Turn of 20th Century	1+1	2
	Elective subject		
	Elective subject		

Year/ Sem.	Obligatory subjects	Hours per week	ECTS
III./V.	Didactics I.	2+2	4
	Work Study of Education II.	1+1	4
	Special Study of Education I.	1+1	3
	Total course credits		11
	Elective subjects		
	Elective subject		
	Elective subject		

Year/	Obligatory subjects	Hours per	ECTS
Sem.		week	
III./VI.	Didactics II.	2+2	4
	Work Study of Education II.	1+1	4
	Special Study of Education II.	1+1	3
	Total course credits		9
	Elective subjects		
	Psychology of adolescence		3
	Elective subject		
	Elective subject		

The graduate study

Year/	Obligatory subjects	Hours per	ECTS
Sem.		week	
IV./VII.	Teories of the Study of Education	2+2	4
	Andragogy I.	2+2	3
	Educational Policies	2+1	3
	Preschool Study of Education	2+1	3
	Total course credits		13
	Elective subjects		
	Institutional Study of Education	1+1	2
	Teacher's skills		
	Elective subject		

Year/	Obligatory subjects	Hours per	ECTS
Sem		Week	
IV./VIII.	Theories of Education in Practice	2+2	4
	Andragogy II.	2+2	3
	Educational Psychology	1+1	4
	Total course credits		11
	Elective courses		
	Institutional study of Education	1+1	2
	Work as a Means of Dependence Prevention	1+1	2
	Dependence Prevention	1+1	2
	Elective subject		

Year/	Obligatory subjects	Hours	ECTS
Sem.		per week	
V./IX.	Comparative Study of Education	2+1	3
V./IX.	Methodology of School Educationist Work 1	2+3	4
	Family Study of Education	2+1	3
	Total course credits		10
	Elective subjects		
	Education in the Context of European Values	1+1	2
	Psychology of Creativity	1+1	3
	Variance Analysis and Complex Experimental	1+3	3
	Models		
	Elective subject		
	Elective subject		

Year/	Obligatory subjects	Hours	ECTS
Sem.		per week	
V./X.	Methodology of School Educationist Work 2	2+3	4
	MA thesis		7
	Total course credits		11
	Elective subjects		
	Free Time Study of Education	1+1	2
	Museum Study of Education	1+1	2
	Alternative Concepts of Education	1+1	2
	Research in Special Study of Education	1+1	2
	Educational Resocialisation	1+1	2
	Elective subject		

5.10 Pedagogy and Computer Science

Undergraduate study

Year/	Core subjects	Hours	ECTS
sem.			
I./I.	Basic knowledge of education	1+1	2
	Statistics in educational research I	2+2	4
	Pre-school and family pedagogy	2+2	3
	Philosophy of education	1+1	2
	General history of education	2+2	3
	Foreign Language	1+1	1
	Total ECTScredits		15
	Elective subjects		
	General psychology	1+1	2
	Computer literacy		
	Elective subject		

Year/ Sem.	Core subjects	Hours	ECTS
I./II.	Introduction to pedagogy	1+1	2
	Statististics in educational research II	2+2	4
	Pre-school and family pedagogy II	2+2	3
	Philosophy of education II	1+1	2
	General history of education	1+1	2
	Foreign Language	1+1	1
	Total ECTS credits		14
	Elective subjects		
	Introduction to developmental pcychology	1+1	3
	Elective subject		

Year/	Core subjects	Hours per	ECTS
Sem.		week	
II./III.	History of educational theories	2+1	4
	Introduction to scientific research methodology	2+2	4
	School pedagogy	2+2	4
	Total ECTS credits		12
	Elective subjects		
	Computer distant learning		
	Elective subject		

Year / Sem	Core subjects	Hours	ECTS
II./IV.	Methodology of educational research	2+2	4

School pedagogy II	2+2	4
Psychology of learning		3
Total ECTS credits		11
Elective courses		
Reform trends at the turn of 20th century	1+1	2
Elective subject		
Elective subject		

Year/	Core subjects	Hours	ECTS
Sem. III./V.	Didactics I	2+2	1
111./ V.	Pedagogy of work I	1+1	4
	Special pedagogy I	1+1	3
	Total ECTS credits		11
	Elective subjects		
	Elective subject		
	Elective subject		

Year/	Obligatory subjects	Hours per	ECTS
Sem.		week	
III./VI.	Didactics II	2+2	4
	Pedagogy of work II	1+1	4
	Special pedagogy II	1+1	3
	Total ECTS credits		9
	Elective subjects		
	Psychology of adolescence		3
	Elective subject		
	Elective subject		

Graduate study

Year/	Core subjects	Hours	ECTS
Sem.			
IV./VII.	Teories of education	2+2	4
	Andragogy I	2+2	3
	Educational policies	2+1	3
	Pre-school pedagogy	2+1	3
	Total ECTS credits		13
	Elective subjects		
	Institutional pedagogy	1+1	2
	Teacher's skills		
	Elective subject		

Year/	Core subjects	Hours	ECTS
Sem			
IV./VIII.	Theories of education in practice	2+2	4
	Andragogy II	2+2	3
	Educational psychology	1+1	4
	Total ECTS credits		11

Elective courses		
Institutional pedagogy II	1+1	2
Work as a mean of dependence prevention	1+1	2
Dependence prevention	1+1	2
Elective subject		

Year/	Core subjects	Hours	ECTS
Sem.			
V./IX.	Comparative pedagogy	2+1	3
V./IX.	Methodology of work of a school pedagogue I	2+3	4
	Family pedagogy	2+1	3
	Total ECTS credits		10
	Elective subjects		
	Education in the european values context	1+1	2
	Psychology of creativity	1+1	3
	Variance analysis and complex experimental	1+3	3
	models		
	Elective subject		
	Elective subject		

Year/	Core subjects	Hours	ECTS
Sem.			
V./X.	Methodology of work of	2+3	4
	school pedagogue II		
	MA thesis		7
	Total ECTS credits		11
	Elective subjects		
	Pedagogy of free time	1+1	2
	Museum pedagogy	1+1	2
	Alternative concepts of education	1+1	2
	Research in special pedagogy	1+1	2
	Educational resocialisation	1+1	2
	Elective subject		

5.11. Pre school teacher

L.Sem	Teaching *	ECTS
Basics of pedagogy	30+30+0	6
Developmental psychology I	30+30+0	5
Philosophy of education	30+30+0	5
Music culture with practicum	15+15+0	4
Children literature	45+15+0	5
Foreign language	30+0+30	5

Course title	Teaching *	ECTS
Preschool pedagogy I	30+30+0	5
Developmental psychology II	30+30+0	5
Vocal-instrumental practicum	0+15+15	3
Croatian language	45+30+0	5
Media culture	15+15+0	4
Introduction to information technology	30+0+30	4
Elective course [either 2 with 2 ECTS points each or 1 with 4 ECTS points]	= 60	4

III.Semester

Course title	Teaching *	ECTS
Preschool pedagogy II	30+30+0	5
Educational psychology	30+15+0	4
Approaches and conceptions in preschool education	30+15+0	4
Teaching methodology of music 1	30+0+0	3
Art education with teaching methodology 1	30+0+0	3
Teaching methodology of physical education 1	30+0+0	3
Introduction to puppetry and theatre	15+0+45	4
Elective course [either 2 with 2 ECTS points each or 1 with 4 ECTS points]	= 60	4

IV.Semester			
Course title	Teaching *	ECTS	
Pedagogy of children with special needs	30+30+15	4.5	
Teaching methodology of music 2	0+30+0	3	
Art education with teaching methodology 2	0+30+0	3	
Teaching methodology of physical education 2	0+30+0	3	
Teaching methodology of Croatian language 1	30+0+0	3	
Teaching methodology of preschool education 1	30+0+0	3	
Health protection of pre-school children	45+30+0	4.5	
Elective course [either 2 with 2 ECTS points each or 1 with 4 ECTS points]	= 60	4	
Internship		2	

V.Semester

Course title	Teaching *	ECTS
Ethics	45+15+0	5
Teaching methodology of music 3	0+15+45	5

Art education with teaching methodology 3	0+15+45	5
Teaching methodology of physical education 3	0+30+30	5
Teaching methodology of Croatian language 2	0+30+0	3
Teaching methodology of preschool education 2	0+30+0	3
Elective course [either 2 with 2 ECTS points each or 1 with 4 ECTS points]	= 60	4

VI.Semester		
Course title	Teaching *	ECTS
Basic methodology of pedagogical researches	30+30+0	4
Family pedagogy	30+15+0	3
Sociology of education	30+30+0	4
Teaching methodology of Croatian language 3	0+15+45	5
Teaching methodology of preschool education 3	0+15+45	5
Internship		2
Degree report designing		7

Elective courses

Course title	Teaching *	ECTS
Kinesiological culture	15+0+15	
Winter holidays trip	0+0+30	2
Summer holidays trip	15+0+15	2
Cultural heritage in BiH and Croatia	30+30+0	4
Painting with preschoolers	0+15+15	2
Psychology of childern's drawings	30+30+0	4
Family-kindergarden partnership	15+15+0	2
Computer in teaching and learning	15+0+45	4
Low in everyday life(,,Street Low")	15+15+0	2
Talented children	15+15+0	2
Abusing and neglecting children	15+15+0	2
Work methods with children with special needs	15+15+0	2
Music, child and mass-media	15+15+0	2
Choir conducting	15+15+0	2
Development of child's musicality	15+15+0	2
Choral singing	15+15+0	2
Logic	30+30+0	4

5.12. Primary Education

Graduate study

Name of lecturer	I. semester Course title	Teaching	ECTS
Core study:			
Philosophy of education	on	45+15+0	5
Developmental psycho	ology	45+15+0	5
Information technolog	y [B]	30+0+15	5
Croatian language I		30+30+0	5
Notation		15+15+0	3
Foreign language		30+0+30	5
Elective course		= 30	2
Specialization 1: Earl	y language learning		
[= A] English languag	e I		
Specialization 2: Info technology in learning	rmation and communication g and teaching		
[= B] Information tech	nology		
TOTAL [core + spec	ialization]:	330	30
	Physical education [0	+0+30]	
	II. semester		
Name of lecturer	Course title	Teaching	ECTS
Core study:			
Pedagogical psycholog	gy I	30+15+0	4
Basics of pedagogy		30+30+0	4
Computer lab [B]		15+0+45	4
Geography		30+30+0	4
Croatian language II		30+30+0	5
Vocal practicum (mus	ic)	0+0+15	2
Foreign language II		30+0+30	5
		= 30	2
Elective course		50	
Elective course Specialization 1: Earl	y language learning	50	
Specialization 1: Earl			
Specialization 1 : Earl [= A] English languag	e II rmation and communication		
Specialization 1: Earl [= A] English languag Specialization 2: Info	e II rmation and communication		
Specialization 1: Earl [= A] English languag Specialization 2: Info technology in learning	e II rmation and communication g and teaching	360	30

	III. semester		
	III. semester		
Name of lecturer	Course title	Teaching	ECTS
Core study:			
Pedagogical psycholog	yy II	30+15+0	4
Didactics		30+30+0	5
History I		15+15+0	2
Language culture		30+30+0	5
Basics of kineziology		30+15+15	5
Instrumental practicum	n (music)	0+15+15	2
Elective course		= 30	2
Specialization 1: Early	/ language learning		
English phonetics and	phonology	30+0+30	5
Specialization 2 : Infor technology in learning and teaching	mation and communication		
Basics of programming	2	15+0+30	5
Specialization 3: Conc cultural study, in the study of school subject	centration areas in national-	= 60	5
TOTAL [core + specia		375	30
TOTAL [core + specia	alization 2]:	360	30
L X	Physical education [0+	0+30]	
	IV. semester	-	
Name of lecturer	Course title	Teaching	ECTS
Core study:			
Educational psycholog	у	30+15+0	4
Family pedagogy		30+0+15	3
Logic		45+15+0	4
History I		15+15+0	2
Literature for youth		30+15+0	4
	s of teaching methodology of	30+15+0	4
Vocal practicum		0+0+15	2
Elective course		= 30	2
Specialization 1: Early	anguage learning		
Integrated language sk	ills	15+0+45	4
Specialization 2 : Infor technology in learning and teaching	mation and communication		
Visual modelling		30+0+30	4

Specialization 3: Conc	entration areas in national-	= 60	4
cultural study, in the			
study of school subject			
TOTAL [core + specialization]:		375	30
	Physical education [0+0+	-30]	
School practice [0+0+1	5]		1
	V. semester		
Name of lecturer	Course title	Teaching	ECTS
Core study:			
Pedagogy of children w	vith special needs pedagogy	30+30+0	5
Mathematics I		30+0+30	5
Croatian literature for c	hildern	30+15+0	4
Seminar of meaching n	nethodology of physical education	0+30+15	4
Visual arts		30+0+15	3
Music culture		30+0+0	3
Elective course		= 30	2
Specialization 1: Early	language learning		
English language and li	inguistic: an introduction	15+15+0	2
Language exercises I		0+0+30	2
Specialization 2 : Infort technology in learning	mation and communication and teaching		
E-learning system	\$	30+0+30	4
	entration areas in national-	=60	4
cultural study, in the			
	of school subject methodics	375	20
TOTAL [core + specia	=	3/3	30
Name of lecturer	VI. semester Course title	Teaching	ECTS
Name of lecturer	Course the	Teaching	LC15
Core study:			
Sociology of education		30+30+0	5
Mathematics II		30+0+45	6
Applied teaching metho	odology of physical education	0+15+30	4
Theoretical foundations education	s of teaching methodology of art	30+15+0	4
	s of teaching methodology of	30+15+0	4
Elective course		= 30	2
Specialization 1: Early	language learning		
	- types of words		2
English grannna	types of words		—

Specialization 2 : Inform technology in learning a	nation and communication		
Distance learning s	-		4
	entration areas in national-	=60	4
cultural study, in the	intration areas in national-	-00	-
study of school subject r			
TOTAL [core + special]	ization]:	360	30
Methodical practice I [0-	+0+30]		1
	VII. semeste	er	·
Name of lecturer	Course title	Teaching	ECTS
Core study:			
Ethics		30+15+0	5
Natural Sciens		30+30+15	6
Theoretical foundations mathematics	of teaching methodology of	30+30+0	5
Seminar of teaching met	hodology of art education	0+30+15	4
Seminar of teaching met	hodology of music	0+30+15	4
Elective course		= 30	2
Specialization 1: Early	language learning		
English grammar-Englis	h sentence	15+15+0	2
Language exercises III		0+0+30	2
	nation and communication and teaching		
Intelligent tutoring syste	ms	30+0+30	4
cultural study, in the	ntration areas in national-	=60	4
TOTAL [core + special			
	VIII. semester		
Name of lecturer	Course title	Teaching	ECTS
Core study:			
Teaching methodology of	of mathematics	0+30+30	5
science and society	of teaching methodology of	30+30+0	5
Theoretical foundations Croatian Language	of teaching methodology of	30+30+0	5
Applied teaching method	61	0+15+30	4
Applied teaching method	dology of music	0+15+30	4
Elective course		= 30	2
Specialization 1: Early	language learning		
Childern literature in En	glish language	15+15+0	2

Language exercises IV	0+0+30		2
Specialization 2 : Information and communication technology in learning and teaching	=60		
Human computer interaction	30+0+30		4
Specialization 3: Concentration areas in national-			4
cultural study, in the			
study of school subject methodics TOTAL [core + specialization]:			
Methodical practice I [0+0+30]			1
IX. semester			1
Name of lecturer Course title		Teaching	ECTS
Core study:			
Methodology of scientific-research work		30+15+0	4
Pedagogical statistic		15+0+15	3
Applied teaching methodology of mathematics		0+15+45	5
Seminar of teaching methodology of Croatian language		0+30+30	5
Seminar of teaching methodology of science and society		0+30+30	5
Elective course		= 30	2
Specialization 1: Early language learning		2.0	-
Learning English at an Early Age		15+15+0	2
Academic writing		0+0+30	2
Methodology of Teaching English to Early Graders		15+15+0	2
Specialization 2 : Information and communication technic learning and teaching	ogy in		
E-learning systems design		30+0+30	6
Specialization 3: Advanced educational studies		= 60	6
TOTAL [core + specialization 1]:		375	30
TOTAL [core + specialization 2 i 3]:		345	30
X. semester			
Name of lecturer Course title		Teaching	ECTS
Core study:			
Applied teaching of Croatian language		0+15+45	5
Applied teaching of science and society		0+15+45	5
Film, radio and television culture		30+15+0	4
Thesis- creation and seminar			11
Specialization 1: Early language learning			
Practicum and classroom practice		0+30+30	4
Specialization 2 : Information and communication technole learning and teaching	ogy in		
E-learning systems evaluation		30+0+30	4

Specialization 3: Advanced educational studies	= 60	
TOTAL [core + specialization]:	255	30
Research practice [0+0+15]		1

Elective course

Г

	CHILD EXPLORING THE NATURE		
Code	Course title	Teaching	ECTS
	Human health	30+0+0	2
	Plant cultivation	15 +0+15	2
	Protection of nature	30+0+0	2
	Research-oriented science and society teaching	15+15+0	2

EXTRACURRICULAR ACTIVITIES AND DIVERSE TEACHING METHODS

Code	Course title	Teaching	ECTS
	Art group as a form of extracurricular activity	0+0+30	2
	Kineziological culture	0+0+30	2
	Work methods with children with special needs	15+0+15	2
	Winter holidays trip	15+0+15	2
	Summer holidays trip	15+0+15	2

OUT-OF	OUT-OF-SCHOOL ART AND CULTURAL ACTIVITIES AT SCHOOL			
Code	Course title	Teaching	ECTS	
	Outdoor science and society teaching	15+15+0	2	
	Drama and theather in education	15+15+0	2	

INFORMATION AND COMMUNICATION TECHNOLOGY IN LEARNING AND TEACHING AND ADVANCED MATHEMATICS

Code	Course title	Teaching	ECTS
	Media in upbringing and education	15+15+0	2
	E-learning systems	30+0+30	4
	Distance learning systems	30+0+30	4
	Introduction to programming	15+0+30	4
	Linear algebra	30+0+15	4

CROATIAN NATIONAL CULTURE AND NATURAL HERITAGE			
Code	Course title	Teaching	ECTS
	Introduction to literature	30+0+0	2
	Visual arts in BiH and Croatia from prehistoric times to the end of the 20th century	15+15+0	2
	Regional and popular literature	15+15+0	2
	Hydro geography and hydro geographical particularities of Croatia	30+30+0	4

	CHILD AND MUSIC		
Code	Course title	Teaching	ECTS
	Aesthetics of music	30+0+0	2
	Development of child's musicality	15+15+0	2
	Choir conducting	15+0+15	2
	Music, child and mass-media	15+15+0	2

	LANGUAGE AND EDUCATION		
Code	Course title	Teaching	ECTS
	German Language I	15+0+15	2
	German Language II	15+0+15	2
	German Language III	15+0+15	2
	German Language IV	15+0+15	2
	German Language V	15+0+15	2
	German Language VI	15+0+15	2
	Rhetoric	0+15+15	2

	CHILD, SCHOOL AND SOCIETY			
Code	Course title	Teaching*	ECTS	
	Pedagogical communication	15+15+0	2	
	Language and social context	15+15+0	2	
	Family and school partnership	15+0+15	2	
	Law in everyday life " Street Low"	30+30+0	4	
	Addiction prevention	15+0+15	2	
	The leisure	15+15+0	2	
	Abused and Neglected Child	15+0+15	2	
	Talented children	15+0+15	2	

5.7. FACULTY OF CIVIL ENGINEERING

At the Faculty of Civil engineering University of Mostar students enrol into undergraduate and graduate study of civil engineering.

Degree: Bachelor of civil engineering Master of civil engineering

Duration: 3 +2 (bachelor and master study)

Status of study: Full time study

Entry requirements:

Undergraduate study: General college entrance requirements with additional qualifications in Mathematics and Physics. *Graduate study:* successfully finish undergraduate study - 180 ECTS

Contact information:

Address: Građevinski fakultet Kralja Zvonimira 14. 88000 Mostar Telephone: +387 36 355 000; 355 001; e-mail:gf-svemo@tel.net.ba web site: www.sve-mo.ba/gf

5.7.1. Undergraduate study

I.Semester

* LECTURE + EXERCISE

Course code	Course title	Course structure *	ECTS
PPRI01	Mathematics I	60+60	10.0
PPRI02	Physics	45+15	5.0
PPRI03	Descriptive geometry	30+30	5.0
PGEO01	Fundamentals of geology and petrography	30+15	3.5
PINF01	Informatics	15+45	3.5
PARH01	Introduction to architecture	30+0	2.0
TOTAL:		210+165	29

	11. Semester		
Course code	Course title	Course structure *	ECTS
PPRI04	Mathematics II	60+60	10.0
PPRI05	Probability and statistics	30+30	5.0
PPRI06	Applied geometry	30+30	5.0
PMEH01	Mechanics I	30+45	6.0
PPRO01	Geodesy	30+30	5.0
TOTAL:		180+195	31

II. Semester

III. Semester

Course code	Course title	Course structure *	ECTS
PMEH02	Mechanics II	45+30	6.0
PMEH03	Strength of materials I	45+30	6.0
PMEH04	Engineering statics I	30+30	5.0
PMAT01	Building materials	60+30	7.0
PHID01	Hydrology	30+30	5.0
	Elective course		min. 2
TOTAL:		240+150	31
	Elective courses:		
PDRU01	Principles of Business Economics	30+0	2.0
PDRU02	Fundamentals of legislation	30+0	2.0
PDRU03	Sociology	30+0	2.0
PSTR01	Foreign language	15+15	2.0

IV. Semester

Course code	Course title	Course structure *	ECTS
PMEH05	Strength of materials II	30+30	5.0
PMEH06	Engineering statics II	45+30	6.0
PHID02	Hydromechanics	45+45	7.0
PGEO02	Soil mechanics and foundations	45+30	6.0
PARH02	Elements of building construction	30+30	5.0
TOTAL:		195+165	29

V. Semester

Course code	Course title	Course structure *	ECTS
PKON01	Basics of concrete structures	60+30	7.0
PKON02	Introduction to timber structures	30+30	5.0
PORG01	Construction production	30+15	4.0
PHID03	Water supply and wastewater management in urban areas	30+30	5.0

Faculty of Civil engineering

PORG02	Construction management	45+15	5.0
PPRO02	Highways	30+30	5.0
TOTAL:		225+150	31

v i. Semester				
Course code	Course title	Course structure *	ECTS	
PKON03	Introduction to metal structures	45+30	6.0	
	Elective courses		min. 18	
PZAV01	Final work	(0+2.5)**	5.0	
TOTAL:			29	
* LECTUR	E + EXERCISE			
** Lecture	's time spent for each student; Not included in TOTAL.			
	Elective courses:			
PHID04	Hydraulic structures	30+15	4.0	
PKON04	Bridges	30+30	5.0	
PHID05	Ports and marine constructions	30+30	5.0	
PPRO03	Railway	30+15	4.0	
PPRI07	Applied mathematics	30+30	5.0	
PKON05	Concrete structures I	30+30	5.0	
PMEH07	Dynamics of structures and earthquake engineering	30+30	5.0	
PGEO03	Geotechnical engineering	30+30	5.0	

VI. Semester

5.7.2. Graduate study

Major: General

I. Semester

Course code	Course title	Course structure*	ECTS
PPRI07	Applied mathematics	30+30	5.0
PKON05	Concrete structures I	30+30	5.0
PMEH07	Dynamics of structures and earthquake engineering	30+15	4.0
PGEO03	Geotechnical engineering	30+30	5.0
DHID01	Hydraulics	45+30	6.0
DHID02	Coastal engineering	30+30	5.0
TOTAL:		180+180	30
* LECTUR	E + EXERCISE		

II. Semester

Course code	Course title	Course structure *	ECTS
DARH01	Building construction	30+30	5.0
DHID03	Engineering hydrology	30+30	5.0

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* LECTUR	E + EXERCISE		
TOTAL:		180+180	30
DPRI01	Operational research in civil engineering	30+30	5.0
DGEO01	Rock mechanics	30+30	5.0
DPRO02	Traffic engineering	30+30	5.0
DPRO01	Pavement of roads and railways	30+30	5.0

III. Semester

Course code	Course title	Course structure *	ECTS
DHID04	Water resource management	30+30	5.0
DORG01	Business and investments in civil engineering	30+30	5.0
	Elective courses – in collaboration with mentor		15.0
	Elective courses – free choice		5.0
TOTAL:			30
* LECTUR	E + EXERCISE		

IV. Semester

Course code	Course title	Course structure *	ECTS
DZAV01	Diploma work	0+15**	30
* LECTUR	E + EXERCISE		
** Lecturer	's time spent for each student.		

Major:Structural Engineering

I. Semester

Course code	Course title	Course structure *	ECTS
PPRI07	Applied mathematics	30+30	5.0
PKON05	Concrete structures I	30+30	5.0
PMEH07	Dynamics of structures and earthquake engineering	30+15	4.0
PGEO03	Geotechnical engineering	30+30	5.0
DKON01	Stability of structures	30+30	5.0
DKON02	Metal structures I	45+30	6.0
TOTAL:		180+180	30
* LECTUR	E + EXERCISE		

II. Semester

Course code	Course title	Course structure *	ECTS
DKON03	Surface Structures	30+30	5.0
DMEH01	Dynamics models of earthquake engineering	30+30	5.0
DARH01	Building construction	30+30	5.0
DKON04	Concrete structures II	30+30	5.0
DKON05	Metal structures II	30+30	5.0
DKON06	Concrete bridges	30+30	5.0
TOTAL:		180+180	30
* LECTUR	E + EXERCISE		

III. Semester

Course code	Course title	Course structure *	ECTS
DORG01	Business and investments in civil engineering	30+30	5.0
DKON07	Prestressed concrete	30+30	5.0
DKON08	Metal bridges	30+30	5.0
	Elective courses – in collaboration with mentor		10.0
	Elective courses – free choice		5.0
TOTAL:			30
* LECTUR	E + EXERCISE		

IV. Semester

Course code	Course title	Course structure *	ECTS
DZAV01	Diploma work	0+15**	30
	E + EXERCISE 's time spent for each student.		

5.7.3. Elective courses for all majors

	Elective courses				
Course code	Course title		Course structure *	ECTS	
DPRO03	Highway interchanges		30+30	4.0	
DHID05	Ecohydrology		45+15	4.5	
DGEO02	Geodesy in the engineering		15+0	1.5	

DGEO03	Geotechnical structures	30+30	5.0
DARH02	Urbanistic methodology and management	30+0	2.0
DPRO04	Urban traffic areas	30+30	4.0
DMAT01	Building materials II	30+30	5.0
DHID06	Hydro power energy	30+30	5.0
DHID07	Karst hydrology	45+30	5.5
DKON09	Structural testing	30+30	5.0
DKON10	Construction of concrete structures	30+30	5.0
DARH03	Constructions of historical structures	30+15	4.0
DARH04	Housing installations	30+30	4.5
DPRI02	Linear algebra	45+30	6.0
DORG02	Management in civil engineering	45+15	4.0
DMEH02	Mechanics of deformable body	30+30	5.0
DGEO04	Mechanics of materials	30+30	5.0
DHID08	Groundwater flow and transport modelling	30+30	5.0
DMEH03	Non-linear engineering statics	30+30	5.0
DMEH04	Numerical modelling of concrete structures	30+30	5.0
DKON11	Specific timber structures	30+30	5.0
DPRI03	Applied stohastic methods	30+30	5.0
DGEO05	Applied geology	30+30	4.0
DKON12	Structure reliability	30+30	5.0
DINF01	Computer aided design of structures	30+30	5.0
DPRO05	Transportation facilities and environment	30+0	3.0
DINF02	Computer graphic	30+30	4.0
DINF03	Numerical programming	30+30	5.0
DGEO06	Complex foundations	30+30	5.0
DKON13	Composite structures	30+30	5.0
DORG03	Decision systems in civil engineering	45+15	4.0
DKON14	Durability of structures	30+30	5.0
DGEO07	Tunnels and underground structures	30+15	4.0
DORG04	Project management	45+15	4.0
DHID09	Water pollution control and environmental engineering	30+30	4.5
DHID10	Wastewater and solid waste management	30+30	4.5
DGEO08	Soil in construction	30+30	5.0
DKON16	Masonry structures	30+30	5.0
DPRO06	Airports	30+30	4.0
DPRO07	Railway station	30+30	4.0

5.8. FACULTY OF MEDICINE

At the Faculty of Medicine University of Mostar students enrol into graduate study of medicine.

Degree: doctor of medicine Duration: 6 year Status of study: Full time study Entry requirements: General college entrance requirements with additional qualifications in Bioolgy, Physics and Chemistry.

Contact information:

Address: Medicinski fakultet Kralja Petra Krešimira IV.b.b. 88000 Mostar Telephone: +387 36 341 995; web site: www.sve-mo.ba/mf

5.8.1. Graduate study

1st Year

Šifra	Course	Hou	ECTS	
		I.Semester	II.Semester	
M101	Introduction to medicine	38+30+22	0	4,8
M102	Research methodology, informatics and learning methods in medicine	33+38+19		5,1
M103	Cell biology and genetics	86+52+42	0	15,5
M104	Histology and embryology	0	46+46+43	10,5
M105	Anatomy	0	60+62+88	21,5
M106	English	30	30	2,4

2nd Year

Šifra	Course	Ho	Hours		
		III. Semester	IV.Semester		
M201	Biochemistry with medical chemistry	90+45+45	0	10,4	
M202	Physiology with biophysics	76+52+52	0	17,9	
M203	Physiology and biochemistry of metabolism	0	80+40+30	8,4	
M204	Fundamentals of neuroscience	0	20+56+24	11,3	
M205	Immunology	0	16+26+8	3,9	
M206	Medical psychology	0	15+15+15	2,5	
M207	English	30	30	2,8	
M208	Elective course		10+10+10	2,8	

Šifra	Course	Ho	Hours		
		V.Semester	VI.Semester		
M301	Microbiology	20+20+55	0	9,7	
M302	Pathology	107+60+38	0	13,5	

3rd Year

Faculty of Medicine

M303	Pthophysiology	45+60+30	0	13,1
M304	Pharmacology	0	48+48+39	8,6
M305	Clinical propaedeutic	0	30+0+60	6,3
M306	Psychiatry	0	31+29+30	8,8

4 th Year				
Šifra	Course	Ho	Hours	
		VII.Semester	VIII.Semester	
M401	Radiology and nuclear medicine	50+25+55	0	5,5
M402	Internal medicine i	36+52+152	0	19
M403	Internal medicine ii	33+57+90	0	14,7
M404	Neurology	0	27+25+48	5,9
M405	Dermatology and venereal diseases	0	33+17+30	4,9
M406	Infectious diseases	0	20+35+65	8,5
M407	Elective course	0	10+10+10	1,5

5 th Year				
No. br.	Course	Hours		ECTS
		IX. Semester	X.Semester	
M501	Surgery i	40+40+90	0	9,6
M502	Surgery ii	40+35+70	0	9,3
M503	Gynecology and obstetrics	30+25+30	40+35+40	16
M504	Diseases and injuries of the	0	35+30+65	10
	locomotor system			
M505	Ophthalmology	0	18+14+38	5,5
M506	Diseases of the head and neck	0	45+20+45	7,6
M507	Social medicine	0	10+10+10	2,0

6th Year

Šifra	Course	Hours		ECTS
		XI. Semester	XII. Semester	
M601	Pediatrics	50+50+100	0	20,1
M602	Physician and the society	50+30+30	0	6,6
M603	Forensic medicine	17+17+16	0	3,5
M604	Medical ecology and	30+30+30	0	6,4
	occupational medicine			
M605	Epidemiology and statistics	0	25+25+25	5,3
M606	Family medicine	0	6+24+150	13,8
M607	Major elective module	0	20+20+20	4,3
	Diploma thesis			
	Diploma exam			
	Final knowledge test in clinical			
	medicine			

5.9. FACULTY OF LAW

At the Faculty of Law University of Mostar students enrol into graduate study of law. **Degree:** Master of law **Duration:** 5 (master study) **Status of study:** Full time and part time study **Entry requirements:** General college entrance requirements with additional qualifications in Croatian language, History and Philosophy.

Contact information:

Address: Pravni fakultet Matice Hrvatske b.b. 88000 Mostar Telephone: +387 36 314 810; 322 586; e-mail:gf-svemo@tel.net.ba web site: www.sve-mo.ba/pf

I. Semester

Code	SUBJECT	Classes *	ECTS
	Course title		
	Theory of law and state	3+1	6
	Roman law	3+1	6
	General history of law and state	2+1	3
	National history of law and state	2+1	4
	Political economy	3+1	4
	Sociology	2+1	3
	Human rights	2+1	4
	Physical and health education		0
TOTAL:		255 + 105	30
* Lectures	+ Exercises (L+E)		

II. Semester

Code	SUBJECT	Classes*	ECTS
	Course title		
	Theory of law and state	3+2	6
	Roman law	3+2	6
	General history of law and state	2+1	5
	National history of law and state	2+1	4
	Political economy	3+1	4
	Sociology	2+2	5
	Physical and health education		0
TOTAL:		225 + 135	30
* L+E		· · · ·	

III. Semester	
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Code	SUBJECT Course title	Classes*	ECTS
	Constitutional law	3+2	6
	Criminal law	3+2	5
	Civil law	3+2	5

Faculty of Law

TOTAL: * L+E		240 + 135	31
	Foreign language I.		0
	European union law	3+1	6
	Economic systems of european union	2+1	4
	Family law	2+1	5

IV. Semester

Code	SUBJECT	Classes*	ECTS
	Course title		
	Constitutional law	3+2	6
	Criminal law	4+2	7
	Civil law	4+2	7
	Family law	2+1	5
	Economic systems of european union	2+1	4
	Foreign language I.		0
TOTAL:		225 + 120	29
* L+E			

V. Semester

Code	SUBJECT	Classes*	ECTS
	Course title		
	Labour and social law	3+1	6
	International public law	2+1	4
	Law of obligations	4+2	7
	Law of criminal procedure	3+2	5
	Financial law and financial science	2+1	3
	Transnational and international criminal law	3+1	6
	Foreign language II.		0
TOTAL:		255 + 120	31
* L+E			

VI. Semester

Code	SUBJECT	Classes*	ECTS
	Course title		
	Labour and social law	3+1	6
	International public law	3+1	6
	Law of obligations	3+2	5
	Law of criminal procedure	3+2	7
	Financial law and financial science	2+1	5
	Foreign language ii.		0
TOTAL:		210 + 105	29
* L+E			

VII. Semester

Code	SUBJECT Course title	Classes*	ECTS
	Commercial law	2+2	4

Faculty of Law

TOTAL: * L+E	285 + 120	30
Company law	3+1	5
Maritime and transport law	4+1	6
Private international law	2+1	3
Administrative law	4+1	5
Civil procedure law	4+2	7

VIII. Semester

Code	SUBJECT Course title	Classes*	ECTS
	Commercial law	2+2	4
	Civil procedure law	4+2	6
	Administrative law	4+2	7
	Private international law	3+1	5
	Maritime and transport law	3+2	5
	Company law	2+1	3
TOTAL:		270 + 150	30
* L+E			

IX.	Semester

Code	SUBJECT	Classes*	ECTS
	Course title (elective courses)		
	Political history of bosnia and herzegovina	4+1	8
	and croatia in 19. Century		
	History of legal systems and codifications	4+1	8
	European labour and social law	4+1	8
	International law of the sea	4+1	8
	Local self-government	4+1	8
	Political systems	4+1	8
	Nomotechnics	4+1	8
	European administrative law	4+1	8
	Science of public administration	4+1	8
	Introduction into political sciences	4+1	8
	International organizations	4+1	8
	International humanitarian law	4+1	8
	Sociology of law	4+1	8
	Trade unions law	4+1	8
	Criminalistics	4+1	8
	Criminology with penology	4+1	8
	Organized crime	4+1	8
	Consumer protection law	4+1	8
	Law of insurance	4+1	8
	Industrial property right	4+1	8
	Law of adoption	4+1	8
	Law of tourism	4+1	8
	Environment law	4+1	8
	Arbitration law	4+1	8

TOTAL: * L+E		360 + 90	48
	Tax law of european union	4+1	8
	union		
	system of financial structure of european	4+1	8
	International financial institutions and the		
	Law of banking	4+1	8
	International financial law	4+1	8
	Stock exchange law	4+1	8
	Land register law (land inscription law)	4+1	8

5.10.ACADEMY OF FINE ARTS

At the Academy of fine Arts University of Mostar students enrol into graduate study, and in their second year they can select one from three majors:

Department of painting Department of graphic art and Department of sculpture

Degree:

Academic Painter Academic Graphic artist Academic Sculptor Duration: 5 (master study) Status of study: Full time study Entry requirements: General college entrance requirements with additional qualifications in

Contact information:

Address: Akademija likovnih umjetnosti Stepinčeva b.b. 88220 Široki Brijeg Telephone: + 387 39 705 238 e-mail: mail@la.sve-mo.ba web site: www.sve-mo.ba/alu

5.10.1. Graduaate study

	I.Year					
No.	Course	Semester				
		I.	ECTS	II.	ECTS	
1.	Drawing	33+187	5	57+323	5	
2.	Painting	11+44	4	19+76	4	
3.	Sculpture	11+44	4	19+76	4	
4.	Graphic Art	11+44	4	19+76	4	
5.	Nude drawing	11+55	5	19+95	5	
6.	Plastic anatomyI	11+11	3	19+19	3	
7.	History of art I	22+0	2	38+0	2	
8.	Phyloshophy of art III	11+0	2	19+0	2	
9.	English	22+0	1	38+0	1	

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Department of painting

	II. Year				
No.	Course	Semester			
		I.	ECTS	II.	ECTS
1.	Painting	33+187	8	57+323	8
2.	Nude drawing	11+55	6	19+95	6
3.	Plastic anatomy II	11+11	4	19+19	4
4.	Theory of space	22+0	3	38+0	3
5.	Slikarska tehnologija	11+11	3	19+19	3

6.	Graphic Art	0+22	1	0+38	1
7.	History of art I	22+0	2	38+0	2
8.	Phyloshophy of art III	11+0	2	19+0	2
9.	English	22+0	1	38+0	1

III. Year

No.	Course	Semester			
		I.		II.	
1.	Painting	33+187	10	57+323	10
2.	Nude drawing	11+55	7	19+95	7
3.	History of art I	22+0	3	38+0	3
4.	Phyloshophy of art III	11+0	3	19+0	3
5.	Fundamentals of architecture	22+0	3	38+0	3
6.	Methodics	22+0	2	38+0	2
7.	Phsychology	22+0	2	38+0	2

IV. Year

No.	Course	Semester			
		I.		II.	
1.	Painting	33+187	10	57+323	10
2.	Nude drawing	11+55	7	19+95	7
3.	Applied graphic art	11+11	2	19+19	2
4.	Computer graphic	11+22	2	19+38	2
5.	Art of XX. century	22+0	2	38+0	2
6.	Phyloshophy of art III	11+0	2	19+0	2
7.	Pedagogy	22+0	2	38+0	2
8.	Didactics	22+0	2	38+0	2

Department of Graphic art

Ν	II. Year Course		Som	ester	
0.	Course		Sem	ester	
0.		I.	ECTS	II.	ECTS
1.	Graphic drawing	33+143	7	57+247	7
2.	Nude drawing	11+55	6	19+95	6
3.	Plastic anatomy II	11+11	4	19+19	4
4.	Theory of space	22+0	3	38+0	3
5.	Graphic technology	11+11	3	19+19	3
6.	Graphic art	0+22	2	0+38	2
7.	History of art I	22+0	2	38+0	2
8.	Phyloshophy of art III	11+0	2	19+0	2
9.	English	22+0	1	38+0	1

No.	Course	Semester					
		I.	ECTS	II.	ECTS		
1.	Sculpture	33+187	10	57+323	10		
2.	Graphic art	33+187	7	57+323	7		

Academy of Fine Arts

3.	Nude drawing	11+55	3	19+95	3
4.	History of art I	22+0	2	38+0	2
5.	Phyloshophy of art III	11+0	2	19+0	2
6.	Fundamentals of architecture	22+0	2	38+0	2
7.	Methodics	22+0	2	38+0	2
8.	Phsychology	22+0	2	38+0	2

IV. Year

No.	Course	Semester					
		I.	ECTS	II.	ECTS		
1.	Sculpture	33+187	10	57+323	10		
2.	Graphic art	33+187	7	57+323	7		
3.	Nude drawing	11+55 2		19+95	2		
4.	Applied graphic art	11+11	2	19+19	2		
5.	Computer graphic	11+22	2	19+38	2		
6.	Art of XX. century	22+0	2	38+0	2		
7.	Phyloshophy of art III	11+0	2	19+0	2		
8.	Pedagogy	22+0	2	38+0	2		
9.	Didactics	22+0	1	38+0	1		

Department of sculpture

	II. Year							
No.	Course	Semester						
		I.	ECTS	II.	ECTS			
1.	Sculpture	33+187	7	57+323	7			
2.	Nude drawing	11+55	6	19+95	6			
3.	Plastic anatomy II	11+11	4	19+19	4			
4.	Theory of space	22+0	3	38+0	3			
5.	Graphic technology	11+11	3	19+19	3			
6.	Graphic art	0+22	2	0+38	2			
7.	History of art I	22+0	2	38+0	2			
8.	Phyloshophy of art III	11+0	2	19+0	2			
9.	English	22+0	1	38+0	1			

III. Year

No.	Course	Semester					
			ECTS	II.	ECTS		
1.	Sculpture	33+187	10	57+323	10		
2.	Nude drawing	11+55	7	19+95	7		
3.	History of art I	22+0	3	38+0	3		
4.	Phyloshophy of art III	11+0	3	19+0	3		
5.	Fundamentals of architecture	22+0	3	38+0	3		
6.	Methodics	22+0	2	38+0	2		
7.	Phsychology	22+0	2	38+0	2		

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No.	Course	Semestar i broj sati					
		I.	ECTS	II.	ECTS		
1.	Sculpture	33+187	10	57+323	10		
2.	Nude drawing	11+55	7	19+95	7		
3.	Nude drawing	11+11	2	19+19	2		
4.	Applied graphic art	11+22	2	19+38	2		
5.	Computer graphic	22+0	2	38+0	2		
6.	Art of XX. century	11+0	2	19+0	2		
7.	Phyloshophy of art III	22+0	2	38+0	2		
8.	Pedagogy	22+0	2	38+0	2		

APENDIX – ECTS DOCUMENTS

Student application form Learning agreement Transcript of records Diploma supplement

ECTS – EUROPEAN CREDIT TRANSFER SYSTEM STUDENT APLICATION FORM FOR STUDYING ABROAD STUDENTSKA PRISTUPNICA

Photograph Fotografija

This application should be completed in BLACK in order to be easily copied and/or telefaxed. Formular treba popuniti tiskanim slovima radi lakšeg kopiranja i/ili slanja faksom.

ACADEMIC YEAR: 20 /20			FL	FIELD OF STUDY:						
AKADEMSKA GODINA: 20 /20			NA	NAZIV STUDIJA:						
			STUDENT	STUDENT'S PERSONAL DATA / OSOBNI PODAtCI STUDENTA					tCI STUDENTA	
First n	ame / Ime:									
Family	name / Prez	zime:								
Sex / F	ol:									
Data o	f birth / Datu	ım rođenj	a:							
Citizer	n number / J!	MBG:								
Nation	ality / Nacio	nalnost								
Place of	of Birth / Mj	esto rođei	nja							
Perma	nent address	/Stalna a	dresa							
Curren	t address/Sa	dašnja ad	resa:							
Phone	/ Telefon									
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Countr	y/Država:									
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	Institu	ıcija	Držav	a Peri	Period studiranja			mont		ECTS credits /
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II.										
III.										
		ST	UDENT'S I	ANGUAGE	COM	IPETEN	CE / POZ	NAVA	ANJE JEZI	KA
Mothe	Mother tongue/Maternji jezik:									
	Language of instruction at home institution (if different) / Jezik predavanja na matičnoj instituciji (ako je različit):									
Other languages currently studying				ving	have sufficient knowledge to follow lectures				tures	
Drugi jezici trenutno učim					ljno znanja da pratim nastavu					
		yes	s / da	no /ne	yes	/da	no /ne	after extra preparation poslije dodatnih priprema		
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L		1			1		1			

		[
PREVIOUS AND CURRENT STUDY /PRETHODNI I SADAŠNJI STUDIJI							
Diploma/degree for which you are currently studying /Diploma/akademski stupanj na studijima koji su u tijeku:							
Number of higher education study years prior to departure abroad/Broj godina studiranja prije odlaska u inozemstvo:							
Have you already been studying abroad?/ Da li ste već studirali u inozemstvu?							
NO YES							

	When / Kada	At which institution / Na kojoj instituciji

WORK EXPERIENCE RELATED TO CURRENT STUDY (if relevant)

RADNO ISKUSTVO POVEZANO SA SADASNJIM STUDIJAMA (ukoliko je važno)								
Type of work experience	Firm/Organisation	Dates	Country					
Vrsta radnog iskustva	Tvrtka / Organizacija	Datumi	Država					

Briefly state the reasons why you wish to study abroad? Ukratko navedite razloge zbog kojih želite studirati u inozemstvu:

MOBILITY GRANT: Do you wish to apply for a mobility grant to assist towards the additional costs of your study period abroad?

Želite li podnijeti zahtjev za sufinanciranje dodatnih troškova za vrijeme studiranja u inozemstvu:

YES

NO

TRANSCRIPT OF RECORDS / PRIJEPIS OCJENA

It is attached and it includes full details of previous and current higher education study. Priloženi prijepis ocjena sadrži sve detalje prethodnih i sadašnjih studija

Date:	Student's signature
Datum:	Potpis studenta

RECEIVING INSTITUTION / We hereby acknowledge receipt of the application, the proposed learning agreement and the candidate's Transcript of records.

INSTITUCIJA DOMAĆIN /Ovim potvrđujemo da smo primili prijavu, predložen ugovor o učenju i prijepis ocjena studenta koji se prijavljuje.

Prethodni student je not accepted at our institution	_
Prethodni student je not accepted at our institution nije primljen u našu instituciju	
Departmental coordinator's signature Institutional coordinator's signature	
Potpis koordinatora fakulteta/odjela Potpis koordinatora institucije	
Date/Datum: Date/Datum:	

ECTS Documents

ECTS – EUROPEAN CREDIT TRANSFER SYSTEM LEARNING AGREEMENT UGOVOR O UČENJU

ACADEMIC YEAR: 20	/20	FIELD OF	STUDY:	
AKADEMSKA GODINA: 20 /20 NAZ		NAZIV ST	TUDIJA:	
Name of student / Ime i prezime studenta:				
Sending institution /Matična institucija:				
Country / Država:				
Receiving institution/ Ins	stitucija domaćin			
Country / Država:	, itueija uomaem			
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Student signature:			Date:	
Potpis studenta:			Datum:	
			l programme of study/learning a i program studiranja / ugovor o	
Departmental coordinate		e preulozen	Institutional coordinator's sign	
Potpis koordinatora faku			Potpis koordinatora institucije	
Date/Datum:			Date/Datum:	
RECEIVING INSTITUT	FION: We confirm th	at the propo	sed programme of study/learnin	g agreement is annroved
			i program studiranja / ugovor o	
Departmental coordinate	or's signature		Institutional coordinator's sign	nature
Potpis koordinatora fak	alteta/odjela		Potpis koordinatora institucije	
Date/Datum:			Date/Datum:	

ECTS Docum	nents
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CHANGE	CHANGES TO ORIGINAL PROPOSED STUDY PROGRAMME/LEARNING AGREEMENT					
(to be filled in ONLY if appropriate)						
IZMJENE	U PRVOBITNO PREDLOŽE	NOM PROGRAMU	STUDIJA / UGOVORU	J O UČENJU		
	(Popunjav	a se samo ako ima izi	njena)			
Course unit code	Course unit title	ECTS credits	Deleted course unit	Added course unit		
Šifra predmeta	Naziv predmeta	ECTS bodova	Izostavljen predmet	Dodan predmet		
			J			

*if necessary, continue this list on a separate sheet *ukoliko je potrebno, spisak nastaviti na zasebnoj stranici

Student signature:	Date:
Potpis studenta:	Datum:
•	

Date/Datum: Date/Datum:		
······································		
Potpis koordinatora fakulteta/odjela	Potpis koordinatora institucije	
Departmental coordinator's signature	Institutional coordinator's signature	
SENDING INSTITUTION: We confirm that the proposed programme of study/learning agreement is approved. MATIČNA INSTITUCIJA: Potvrđujemo da je predloženi program studiranja / ugovor o učenju prihvaćen.		

RECEIVING INSTITUTION: We confirm that the proposed programme of study/learning agreement is approved. INSTITUCIJA DOMAĆIN: Potvrđujemo da je predloženi program studiranja / ugovor o učenju prihvaćen.			
Departmental coordinator's signature	Institutional coordinator's signature		
Potpis koordinatora fakulteta/odjela	Potpis koordinatora institucije		
Date/Datum: Date/Datum:			

ECTS Documents

ECTS – EUROPEAN CREDIT TRANSFER SYSTEM TRANSCRIPT OF RECORDS PRIJEPIS OCJENA

ACAI	DEMIC YEAR:	20 /20	FIEL	D OF STUDY:				
AKAI	DEMSKA GOD	INA: 20 /20	NAZI	V STUDIJA:				
NAM		INSTITUTION /						
	E OF SENDING V MATIČNE IN							
	ty/Department /							
n omo			Name	/Ime i prezime:				
	departmental c koordinator fal		Phone	e/ Telefon	Fax:	E-mail:		
· · · · · · · · · · · · · · · · · · ·								
NAM	E OF STUDENT	T: PREZIME STUDENT	TA:					
First 1	name / Ime:							
	and place of birt	h						
Datu	m i mjesto rođer							
Sex / S								
	culation date/ D	-						
Matri	culation number	r/ Upisni broj:						
STUD	V PROGRAM	ME / NAZIV STUDIJA						
		final examination and						
defen	ce of Diploma T	hesis						
		oji se dobiva nakon						
	log ispita i obra lage of instruction	ne diplomskog rada						
		žava nastava i ispiti						
		/ Stupanj obrazovanja						
	al lenght of prog	gramme						
Trajanje studija								
Acces	s requirements/							
	i upisa na studij							
Mode of study / Status studiranja								
Mode	of study / Status	s studiranja						
Programme requirements								
Opis i	cilj studija							
NAM	E OF DECEIVI	NG INSTITUTION /						
	V INSTITUCIJ							
Facult	ty/Department	/Fakultet/Odjel						
			Name	/Ime i prezime:				
ECTS departmental coordinator: ECTS koordinator fakulteta /odjela:		Phone	e/ Telefon	Fax:	E-mail	l:		
ECIS	6 KOOI UIIIatoi Ta	kulteta /oujela.						
No	Course unit			Duration of	course unit	Local	ECTS	ECTS
110	code	Course unit title	•	Trajanje		grade	grade	credits
	Šifra	Naziv predmeta	l	Lectures /	Lab. Seminar/	Domaća ocjena	ECTS	ECTS
	predmeta		,	Predavanja	Vježbe	ocjena	ocjena	bodova
	Τ	First year (/) / Prva godina	(/)			
	1			1				
L								

ECTS Documents

		Second year (/) Druga godina (/)			
		Third year (/) / Treća godina (/)			
		Fourth year (/) / Četvrta godina (/)		
GPA (aritmetic average of passed examinations) /prosječna ocjena položenih ispita						
Final e	Final examination and defence of Diploma Thesis / Završni ispit i obrana diplomskog rada					

Final examination and defence of Diploma Thesis / Završni ispit i obrana diplomskog rada

Date / Datum:

Dean: / Dekan

stamp / pečat

Grading scale, National compared to ECTS/ kala ocjenjivanja, Usporedba domaće sa ECTs skalom ocjenjivanja

National scale Domaća skala	ECTS	Definition/Opis
5	А	excellent /izvrstan / odličan
4	В	Very good /vrlo dobar
3	C/D	good / dobar
2	Е	sufficient / dovoljan
1	F	fail / nedovoljan

ECTS credits / ECTS bodovi:

1 full academic year / 1 akademska godina = 60 credits / 60 bodova;

1 semester / 1 semestar = 30 credits / 30 bodova

NB: This document is not valid without the signature of the registrar/dean/administration officer and the official stamp of the institution.

Napomena: Ovaj dokument nije važeći bez potpisa ovlaštene osobe i službenog pečata institucije.

GUIDLINES FOR DIPLOMA SUPPLEMENT

- 1. INFORMATION IDENTIFYING THE HOLDER OF QUALIFICATION INFORMACIJE O NOSITELJU DIPLOME/KVALIFIKACIJE
- 1.1. Family name
- 1.2. Given name
- 1.3. (Place) Date of birth
- 1.4. Student identification number or code (if available)
- 2. INFORMATION IDENTIFYING THE QUALIFICATION INFORMACIJE KOJE BLIŽE ODREĐUJU KVALIFIKACIJU
- 2.1. Name of qualification and (if applicable) title conferred (in original language)
- 2.2. Main field(s) of study for the qualification
- 2.3. Name and status of awarding institution (in original language)
- 2.4 Name and status of institution (*if different from 2.3.*) administering studies (*in original language*)
- 2.5. Language(s) of instruction/examination
- 3. INFORMATION ON THE LEVEL OF QUALIFICATION INFORMACIJE O RAZINI KVALIFIKACIJE
- 3.1. Level of qualification
- 3.2. Official length of the programme
- 3.3. Access requirements
- 4. INFORMATION ON THE CONTENTS AND RESULTS GAINED INFORMACIJE O SUSTAVU I SADRŽAJU STUDIJA I POSTIGNUTIM REZULTATIMA
- 4.1. Mode of study
- 4.2. Programme requirements

4.3. Programme details (e.g. modules or units studied) and the individual grades/marks/credits obtained (*if this information is available on an official transcript this should be used here*)

- 4.4. Grading scheme and, if available, grade distribution guidance
- 4.5. Overall classification of the qualification (in original language)
- 5. INFORMATION ON THE FUNCTION OF QUALIFICATION INFORMACIJE O AKADEMSKIM I PROFESIONALNIM MOGUĆNOSTIMA KOJE PRUŽA KVALIFIKACIJA
- 5.1. Access to further study
- 5.2. Professional status (*if applicable*)
- 6. ADDITIONAL INFORMATION DODATNE INFORMACIJE
- 6.1. Additional information
- 6.2. Further information sources
- 7. CERTIFICATION OF THE SUPPLEMENT OVJERA DODATKA DIPLOMI
- 7.1. Date
- 7.2. Signature
- 7.3. Capacity
- 7.4. Official stamp or seal

8. INFORMATION ON THE NATIONAL HIGHER EDUCATION SYSTEM