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Successful co-operation with veterinary faculties in the USA, Turkey, Hungary, Italy, Libya, Norway, Germany, Spain, Slovenia, Croatia, Serbia, Montenegro, Portugal and Austria.

It is worth to emphasize that the faculty has embraced contemporary innovations in education incorporating the latest achievements of veterinary science and practice in the teaching process itself. Several times the curricula and syllabi were updated to modernize courses in order to educate veterinarians to be able to meet modern challenges in veterinary science and practice. The new requirements along with the obligations deriving from the Law on Higher Education were the basis for initiating and drafting the new Regulation on Studying at the Veterinary Faculty of the University of Sarajevo.
BASIC INFORMATION ON THE VETERINARY FACULTY

University of Sarajevo, the Veterinary Faculty
71 000 Sarajevo, Zmaja od Bosne 90,
tel.: +387(0)33 729–100; fax: +387(0)33 617–850.

Web: www.vfs.unsa.ba; E-mail: info@vfs.unsa.ba

Facebook page: www.facebook.com/vfs.unsa.ba
Dean: Prof. dr. Nihad Fejzić
Vice-deans: Prof. dr. Muhamed Smajlović
           Prof. dr. Rizah Avdić
           Prof. dr. Hajrudin Beširović
Secretary: Mr. Enida Vehabović
Student Affairs Administrator: Altijana Šojko

ORGANIZATIONAL SCHEME OF THE VETERINARY FACULTY
ORGANIZATIONAL SCHEME OF THE VETERINARY FACULTY

Dean Office

Secretary Office (Section for Legal & Personnel Affairs, Section for Student Affairs, Section for Financial & Accounting Affairs, Maintenance Service)

Library & IT Center

Department of Morphology
Dept. of Chemistry & Biochemistry
Dept. of Physiology
Dept. of Anatomy & Histology
Dept. of Biology
Dept. of General Subjects
Dept. of Facultative Subjects

Department of Epizootiology
Dept. of Parasitology & Invasive Animal Diseases
Dept. of Microbiology with Immunology
Dept. of Infectious Animal Diseases with Epizootiology
Dept. of Pathology
Dept. of Animal Health Economics
Dept. of History of Veterinary Medicine
Dept. of Breeding & Diseases of Fish, Honey Bees and Game
Dept. of State & Forensic Veterinary Medicine
Department of Zootechnics & Poultry Production
Dept. of Animal Husbandry
Dept. of Animal Hygiene & Prophylactics of Animal Diseases
Dept. of Feed & Nutrition of Domestic Animals
Dept. of Poultry Breeding, Production & Health Care

Department of Food Hygiene Control & Environmental Protection
Dept. of Food Hygiene & Technology
Dept. of Radiobiology with Radiation Hygiene, Biophysics & Environmental Protection

Faculty Clinics
Dept. of Internal Diseases
Dept. of Surgery with Onychology & Ophthalmology
Dept. of Veterinary Roentgenology & Physical Therapy
Dept. of Pharmacology & Toxicology
Dept. of Obstetrics & Udder Diseases
Dept. of Physiology and Pathology of Reproduction of Domestic Animals
Dept. of Pathological Physiology of Domestic Animals
Dept. of Ambulatory Service
ORGANIZATIONAL SCHEME OF THE VETERINARY INSTITUTE

Section for Quality Management

Section for Continuing Education

Center for Animal Health Control
  Section for Apiculture
  Section for Information Technologies & Geographic Information System
  Section for Epidemiology, Economics & Risk Analysis
  Laboratory for TSE
  Section for Aquaculture
  Laboratory for Parasitology
  Laboratory for Bacteriology
  Laboratory for Mycology
  Laboratory for Virusology
  Laboratory for Pathology

Center for Food & Feed Control and Environmental Protection
  Laboratory for Food & Feed Microbiology
  Laboratory for Residues & Food Quality Control
  Laboratory for Feed Quality Control
  Laboratory for Radioactivity Control
  Laboratory for Biodosimetry
  Section for DDD

Center for Drug Testing & Control and Toxicological Analyses
  Section for Preclinical Drug Testing
  Section for Clinical Drug Testing
  Section for Toxicological Analyses

Center for Reproduction & Genetics
  Laboratory for Andrology & Gynecology
  Laboratory for Mastitis
  Laboratory for Genetics
  Laboratory for Molecular Biotechnology

Center for Poultry & Rabbit Production
  Section for Technology of Poultry & Rabbit Breeding
  Laboratory for Diagnostics of Viral Poultry & Rabbit Diseases
  Laboratory for Diagnostics of Bacterial Poultry & Rabbit Diseases
STUDENT ORGANIZATIONS

STUDENT ASSOCIATION OF THE VETERINARY FACULTY – ASVF.
Zmaja od Bosne 90 Street, 71000 Sarajevo, Bosnia and Herzegovina
E-mail: asvf@vfs.unsa.ba; ivsa.bih@gmail.com

The ASVF is member of the International Veterinary Student Association (IVSA) and of the Student Parliament of the University of Sarajevo (SPUS). A member of the ASVF may become every citizen of B&H who accepts provisions of the ASVF Statute, primarily students of the Veterinary Faculty in Sarajevo. The ASVF works publically without intention to gain private prosperity for any of its members.

Organizational scheme of the ASVF

**Management**
- Assembly
- Managerial Board
- Supervisory Board
- The President

**Sectors**
- Sector for Student Exchange and International Cooperation
- Sector for Commercial Activities
- Sector for Research and Education
- Sector for Sports

**Sections**
- Section for Ecology
- Section for Animal Care
- Section for Cynology

Basic activities of the ASVF are to:

- Encourage and coordinate activities of its members in accordance with the Law on University;
- Unify attitudes on veterinary education and profession, and to provide competence of future veterinarians for their international life and work;
- Organize students at the faculty level;
- Publish the student journal “Veterinar”;
- Coordinate work with teachers and management of the Veterinary Faculty in Sarajevo to solve student issues and to accomplish as better educational results as possible;
- Organize professional and scientific seminars, public discussions, trainings and presentations in collaboration with students and teaching staff of the faculty;
- Organize student contests in scientific and sport disciplines;
- Cooperate with similar organizations in B&H and the world;
- Develop projects for international cooperation, student exchange and support;
- Cooperate with business companies and other institutions, government authorities and media.
WHO IS ADVISED TO STUDY VETERINARY MEDICINE

According to the Law on Veterinary Service and positive EU regulations, a doctor of veterinary medicine (DVM) after the graduation shall be competent to perform all of veterinary services. This means that during the undergraduate study a veterinary student must accomplish theoretical knowledge and practical skills to be able to perform different duties, from small and large clinical practice to sanitary meat examination and food safety control.

To study veterinary medicine is primarily recommended to those who has sympathies for animals and who promotes a human relationship with animals and are aware of role of veterinary profession in animal and human health protection. Prior to the decision to study veterinary medicine, future DVMs should be aware of her/his own personality and to be as sure about the decision as possible. They should not be afraid of blood or be repulsive toward body discharges, surgical interventions, wound examinations, necropsies and carcass examination in slaughterhouses. Additionally, those interested in studying veterinary medicine should overcome probable fear of animals, be aware that sick or injured animals they examine may be dangerous and aggressive. Above all, they shall be aware that being a veterinarian includes great professional, material, ethical and moral responsibilities.

A future DVM shall be precise, responsible, hard working, disciplined and able to work individually in urgent situations. He or she should be communicative, independent and intuitive, and flexible in working with patients, their owners and other users of veterinary services.
**STUDENT HEALTH CARE**

According to the provisions of the Article 13, section 1, clause b, and of the Article 18, section 1, clause b, of the Constitution of the Sarajevo Canton ("Official Gazette of the Sarajevo Canton", no. 1/96, 2/96, 3/96, 16/97, 14/00 and 4/01), and pertain to the Article 35, section 4, and the Article 36, section 2 of the Law on Health Care ("Official Gazette of the Federation of B&H", no. 29/97), as well as to the Articles 3 and 6 of the Law on Institutions ("Official Gazette of Republic B&H", no. 6/92, 8/93 and 13/94), the Parliament of the Sarajevo Canton, in the session held on May 30, 2003, imposed the Decision on Acceptance of the Rights and Duties of the Founder of the Department of Student Health Care of the University of Sarajevo, by which student health care service is assigned to the Department of Student Health Care of the University of Sarajevo, located in Patriotske lige Street 36.

The department’s responsibility is to provide service of general and specialist health care to students, which includes the following:

- To carry out student health checks prior to university enrollment and student dormitory accommodations;
- To carry out systematic and control health checks of students, teaching and other university staff;
- To perform continuous health education and promotion of health culture of students;
- To provide specialist and consultative student health care;
- To perform preventive health care measures by monitoring student health status and hygiene of student accommodation and working facilities;
- To undertake measures for improvement of student health care;
- To undertake measures for health protection of female students;
- To provide prevention and treatment of dental disorders;
- To organize and realize in–house treatment of students when necessary;
- To provide student health statistics.

**CONTACT INFORMATION:**

Department of Student Health Care of the University of Sarajevo  
Address: Patriotske lige Street 36  
Tel: +387(0)33 200–663  
Fax: +387(0)33 251–871  
Http://www.zdravljestudenata.ba  
E–mail: info@zdravljestudenata.ba
Students of the Veterinary Faculty have the right to be accommodated at one of two student dormitories of the “Student Center Sarajevo” public enterprise: the Student Dormitory in Bjelave and the Student Dormitory in Nedžarići.

Dormitory users in Sarajevo are students from all cantons–regions of Bosnia and Herzegovina, and from other parts of former Yugoslavia. Housing and meals price has been decided by financial elaborate of the Institute of Organization & Economics in Sarajevo and confirmed by the founder and it has not been changed recently. The housing and meals expenses are partially covered by canton from which students come and partially by the founder, while students monthly participate only by the amount of 72.00 KM in average for room and board (1 meal – lunch).

In addition to fairly furnished housing facilities and quality food, the Student Center has provided to on–board students use of classrooms, libraries, space for religious rituals, social events and parties, TV rooms, internet clubs, sport and recreational areas, student cantinas and cafeterias and other amenities. Additionally, to cultivate student spirit and improve overall quality of student life, other social and cultural events are organized, such as movie and poetry nights, theater plays, as well as various sport activities. At least two international sport tournaments are organized each year in almost all sport disciplines.

Useful information:

“Student Center Sarajevo” public enterprise; Http://www.student-centar.ba/index.php.
Student Dormitory in Nedžarići, Aleja Bosne Srebrne Street bb. Housing capacity: 960 beds (192 double–bed and 192 triple–bed rooms, all with separate bathrooms. Other amenities: cantina, study hall, internet center, cafeteria, and pizzeria.
Student Dormitory in Bjelave, Bardakčije Street 1. Housing capacity: 1,000 beds (152 double–bed, 201 triple–bed and 29 four–bed rooms, out of which 108 with separate bathrooms, the rest of the rooms with shared bathrooms. Other amenities: cantina, internet center, cafeteria, and pizzeria.
STUDENT ADMISSION REQUIREMENTS

ACQUIRING A STUDENT STATUS

The status of student of the Veterinary Faculty of the University of Sarajevo is acquired by admission to the first academic year. Minimum requirement for admission is completed four-year secondary education and application to the Admission Call published annually by the University of Sarajevo in June, in which all detailed requirements are displayed. To apply for the admission to the first academic year, a candidate is obliged to submit the following documents:

- Original documents on completed four-year high school education in Bosnia and Herzegovina, or equivalent nostrified (recognized) documents for candidates who completed high school education abroad,
- Original high school diploma,
- Birth certificate,
- Certificate on citizenship,
- Other documents relevant for ranking the candidates within the admission procedure

SELECTION OF CANDIDATES

Selection of candidates for enrollment in the first academic year is done based on ranking of candidates by scoring their high school grades (general cumulative GPA and final grades in physics, biology, chemistry and mother tongue).

STUDENT ENROLLMENT

Deadline for enrollment of students admitted to the study of veterinary medicine is decided in line with academic calendar by the Student Affairs Service of the faculty. Detailed information on all the documents and forms necessary for the enrollment are provided by the Student Affairs Service.

Requirements for enrollment of foreign students are the same as those for B&H citizens. Total number of native and foreign freshmen is planned by each faculty of the University of Sarajevo. Foreign students apply for enrollment with the same documents as native B&H students. Since the teaching process at the faculty is in Bosnian/Serbian/Croatian language, an advanced knowledge of one of these languages is strongly recommended.
KNOWLEDGE AND SKILLS ACQUIRED DURING THE STUDY

- Knowledge on structure and function of organism of domestic animals, their genetic and physiological characteristics, and of causes of their pathological alterations.
- Knowledge on breeding and reproduction of animals, nutrition, metabolic and endocrine interactions of animal organism, importance of animal feed and hygiene in livestock production, and significance of food safety and quality control.
- Knowledge on causative agents of animal diseases, requirements for their occurrence, particularly on infectious and parasitic diseases, their diagnostics and therapy.
- Knowledge on economics of veterinary service and adequate evaluation of expected and observed results.
- Knowledge on veterinary legislation, principles of veterinary ethics and administration procedures.

DURATION OF THE UNDERGRADUATED STUDY PROGRAM

Integrated study program of veterinary medicine (first and second cycle) has been organized and realized upon the Faculty’s curriculum, which has been established according to provisions of the Law on Higher Education of the Canton Sarajevo and study regulation based on the European Credit Transfer System (ECTS).

Undergraduate study of veterinary medicine is regulated by the EU Directive 2005/36/EC and, according to the Article 54, section 3 of the Law on Higher Education (“Official Gazette of the Sarajevo Canton” no. 43/08) lasts for 5 academic years (10 semesters), and is equivalent to 300 ECTS credits.

PROFESSIONAL DEGREE

A diploma on completion of integrated study program of veterinary medicine and professional degree of the Doctor of Veterinary Medicine is awarded to a student who accomplishes all of curricular obligations and passes all specified examinations.
INTERNATIONAL EXCHANGE OF STUDENTS AND TEACHING STAFF

The faculty participates in international exchange of students and teaching staff through TEMPUS, CEEPUS, VetNEST and BASILEUS programs.

LIBRARY & IT CENTER (BIC)

BIC (bibliotečko–informatički centar) is the Library & IT Center of the Veterinary Faculty in Sarajevo, located on the ground floor of the building. It was established in 2002 to support students and teaching personnel in studying and their teaching, research and professional work.

<table>
<thead>
<tr>
<th>WORKING HOURS OF THE CENTER</th>
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<tbody>
<tr>
<td>STUDY HALL</td>
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<td>08:00 – 19:00 h</td>
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</table>

A pleasant and modern setting of the Library & IT Center includes:

LIBRARY

Library of the faculty is established in 1950. Today the library collection is more than 7,500 volumes, including domestic and international literature, a referent collection (encyclopedias, lexicons, dictionaries, and handbooks), and master and PhD theses. There is also a large collection of older volumes of foreign scientific journals. Since 1996 the library has been receiving an irregular donation of 8 foreign and 20 domestic professional and scientific journals.

Currently, the library is in the process of computerization and specific library software is under installation, which will allow creation and search of an online library catalogue. This will ensure creation of both, conventional and unconventional information sources, which should be also stored in paper form. The library is connected to the internet by four PCs, which improves the quality of the service. Today the library has more than 600 users, mostly students and teaching personnel of the faculty and all of the library resources are opened to land or to in–library use.
IT CENTER

The IT Center of the Veterinary Faculty in Sarajevo ("VEFIC") is established in 2002 by financial support of the faculty itself and other donators.

The Center has up to date IT equipment, such as:

- Multimedia laboratory (22 PCs)
- Computer maintenance service
- PCs in the faculty entrance hall for student and visitor use..

All the computers are networked and connected to the internet.

JOURNAL EDITIONS OF THE VETERINARY FACULTY

Since 1951 the faculty, together with the Association of Veterinarians and Veterinary Technicians of B&H has been publishing journal «Veterinaria», in which more than 3,000 scientific and professional papers have been published. In addition, "Veterinaria" was the publisher of many books and textbooks of domestic and foreign authors.

Student Association of the Veterinary faculty in Sarajevo is publishing student journal "Veterinar", which is greatly contributed by the faculty teaching personnel. In addition to student and professional papers covering many areas of veterinary medicine, the journal addresses interesting topics from student life and work. "Veterinar" is one of few student journals at the University of Sarajevo.
SUBJECTS IN THE UNDERGRADUATE STUDY PROGRAM

The faculty organizes and realizes undergraduate study program in scientific and professional areas of veterinary medicine, for which it has been accredited.

General subjects
Sociology, Gymnastics–Sport, and English language in veterinary medicine.

Basic sciences of veterinary medicine
Biophysics in veterinary medicine, Biology in veterinary medicine, Anatomy of domestic animals I, Anatomy of domestic animals II, Veterinary biochemistry I, Veterinary biochemistry II, Introduction to and history of veterinary medicine, Molecular biology and biotechnology, Veterinary histology with embryology, Physiology of domestic animals I, Physiology of domestic animals II, Veterinary microbiology with immunology I, Veterinary microbiology with immunology II, Veterinary pharmacology and toxicology I, and Veterinary pharmacology and toxicology II.

Clinical sciences of veterinary medicine
Veterinary parasitology, Pathology of domestic animals I, Pathology of domestic animals II, Pathological physiology of domestic animals, Internal diseases of equines, carnivores and swine with propedeutics I, Internal diseases of equines, carnivores and swine with propedeutics II, Internal diseases of ruminants and rabbits with propedeutics I, Internal diseases of ruminants and rabbits with propedeutics II, Physiology and pathology of reproduction of domestic animals I, Physiology and pathology of reproduction of domestic animals II, Obstetrics and udder diseases I, Obstetrics and udder diseases II, Surgery with onychology and ophthalmology I, Surgery with onychology and ophthalmology II, Veterinary roentgenology and physical therapy, Ambulatory clinics I, Ambulatory clinics II and Ambulatory clinics III.
Animal health protection
Invasive diseases of animals, Poultry breeding, production and health care I, Poultry breeding, production and health care II, Animal infectious diseases with epizootiology I, Animal infectious diseases with epizootiology II, Diseases of fish, crabs and mussels, Honey bee diseases, and Diseases and health management of game.

Preventive measures in animal production

Veterinary-sanitary control of food production & trade
Hygiene and technology of milk and milk products, Hygiene and technology of meat and meat products I, and Hygiene and technology of meat and meat products II.

Veterinary public health
State veterinary medicine with organization and economics of management measures, Forensic veterinary medicine, and Zoonozes.

Electives
Laboratory animals and basics of laboratory technique, Pets, Morphophysiology of domestic poultry, Basics of feed hygiene & safety, Animal dental morphology, Cynology, Horse breeding and sport, Pigeon breeding, Aquaristics, Aquaculture, Veterinary clinical hematology & biochemistry, Veterinary clinical endocrinology, Pharmacognostics, Veterinary clinical pharmacology and toxicology, Parasitoses in public health, Special radiology diagnostics, Environmental protection, Management in veterinary medicine, Veterinary public health, Unconventional animal production, Breeding and production of rabbits and furbearers
ANNUAL AND SEMESTRAL OVERVIEW OF THE UNDERGRADUATE CURRICULUM

Undergraduate study program is divided into academic years and semesters. In line with the ECTS provisions and provisions of the Article 54, section 2, of the Law on Higher Education of the Sarajevo Canton (“Official Gazette of the Sarajevo Canton” no. 22/10,15/13), course work in an academic year is equivalent to 60 ECTS study credits, i.e. to 30 ECTS study credits per semester.

Number of study credits for each subject is decided according to the total student work–load, which includes student academic hours (theoretical lectures, practical work, laboratory work, seminars, etc), number of hours needed for independent student work (homework, projects, seminars, etc), and number of hours needed for student preparation for examinations (quizzes, midterm exams, final exams, etc).

Students are allowed to transfer to a subsequent academic year a maximum of six (6) ECTS study credits, or to transfer examination in one subject lectured in present academic year to the subsequent academic only, given that credit load of the subject in question is not greater than 6 ECTS study credits and that the subject is not a prerequisite subject for any other subject in the curriculum of the subsequent academic year.

All didactic methods incorporated in curricula and syllabi of subjects are compulsory. Realization of all didactic and examination methods planned by a subject curriculum and syllabus, as well as supervision of student course work, is responsibility of the subject leading teacher.

Teaching process is organized and realized in accordance with a teaching schedule. The faculty is obliged to announce the teaching schedule at least 10 days prior to commencement of teaching process of the semester in question. Teaching schedule includes information on academic year and semester in question, title of pertaining subjects, teaching time schedule (date and time) and places (classrooms, laboratories, clinics, etc), name of responsible teaching staff, and other related instructions.
### 1st YEAR

#### 1st SEMESTER

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<tr>
<td>1. Biophysics in veterinary medicine</td>
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<tr>
<td>2. Biology in veterinary medicine</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>3. Veterinary biochemistry I</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>4. Anatomy of domestic animals I</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>5. Introduction to and history of</td>
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<td>-</td>
</tr>
<tr>
<td>6. Sociology</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>7. Gymnastics–Sport</td>
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#### 2nd SEMESTER

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<tr>
<td>1. Veterinary biochemistry II</td>
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</tr>
<tr>
<td>2. Anatomy of domestic animals II</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td>3. Animal hygiene and prophylactics of animal diseases I</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>4. Molecular biology and biotechnology</td>
<td>1</td>
<td>-</td>
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<tr>
<td>5. Animal husbandry with biostatistics in veterinary medicine</td>
<td>3</td>
<td>-</td>
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<tr>
<td>6. English language in veterinary medicine</td>
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### 2nd YEAR

#### 3RD SEMESTER

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<tr>
<td>1. Veterinary histology with embryology</td>
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<tr>
<td>2. Physiology of domestic animals I</td>
<td>4</td>
<td>-</td>
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<tr>
<td>3. Animal husbandry with biostatistics in veterinary medicine II</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>4. Animal feed and nutrition I</td>
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<td>5. Electives 1</td>
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#### 4TH SEMESTER

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<tr>
<td>1. Physiology of domestic animals II</td>
<td>4</td>
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<tr>
<td>2. Animal feed and nutrition II</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>3. Veterinary microbiology with immunology I</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>4. Pathology of domestic animals I</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>5. Pathological physiology of domestic animals I</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>6. Veterinary parasitology</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>6. Electives</td>
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### 3rd Year

#### 5th Semester

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<td>Sem.</td>
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<tr>
<td>1. Veterinary microbiology with immunology II</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>2. Pathology of domestic animals II</td>
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<td>9</td>
</tr>
<tr>
<td>3. Pathological physiology of domestic animals II</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>4. Invasive diseases of animals</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>5. Veterinary pharmacology and toxicology I</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>13</strong></td>
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</tr>
</tbody>
</table>

#### 6th Semester

<table>
<thead>
<tr>
<th>Subject</th>
<th>Academic Hours</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Lect.</td>
<td>Sem.</td>
</tr>
<tr>
<td>1. Ethology and animal welfare</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>2. Veterinary pharmacology and toxicology II</td>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>3. Internal diseases of equines, carnivores and swine with propedeutics I</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>4. Internal diseases of ruminants and rabbits with propedeutics I</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>5. Physiology and pathology of reproduction of domestic animals I</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>6. Obstetrics and udder diseases I</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>7. Surgery with onychology and ophthalmology I</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>8. Electives</td>
<td>0,5</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>14,5</strong></td>
<td><strong>16,5</strong></td>
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### 4TH YEAR

#### 7TH SEMESTER

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>ACADEMIC HOURS</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Lect.</td>
<td>Sem.</td>
</tr>
<tr>
<td>1. Veterinary roentgenology and physical therapy</td>
<td>2</td>
<td>–</td>
</tr>
<tr>
<td>2. Internal diseases of equines, carnivores and swine with propedeutics II</td>
<td>2</td>
<td>–</td>
</tr>
<tr>
<td>3. Internal diseases of ruminants and rabbits with propedeutics II</td>
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<td>–</td>
</tr>
<tr>
<td>4. Physiology and pathology of reproduction of domestic animals II</td>
<td>2</td>
<td>–</td>
</tr>
<tr>
<td>5. Obstetrics and udder diseases II</td>
<td>2</td>
<td>–</td>
</tr>
<tr>
<td>6. Surgery with onychology and ophthalmology I</td>
<td>2</td>
<td>–</td>
</tr>
<tr>
<td>7. Honey bee diseases</td>
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</tr>
<tr>
<td>8. Electives</td>
<td>0,5</td>
<td>–</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>13,5</td>
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### 4th Year

#### 8th Semester

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>ACADEMIC HOURS</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Lect.</td>
<td>Sem.</td>
</tr>
<tr>
<td>1. Poultry breeding, production and health care I</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>2. Animal infectious diseases with epizootiology I</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>3. Hygiene and technology of milk and milk products</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>4. Hygiene and technology of meat and meat products I</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>5. Veterinary radiobiology with radiation hygiene</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>6. Ambulatory clinics I</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>7. Electives</td>
<td>0,5</td>
<td>-</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>14,5</td>
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### 5TH YEAR

#### 9TH SEMESTER

<table>
<thead>
<tr>
<th>SUBJECT</th>
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<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Lect.</td>
<td>Sem.</td>
</tr>
<tr>
<td>1. Poultry breeding, production and health care II</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>2. Animal infectious diseases with epizootiology II</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>3. Hygiene and technology of milk and milk products II</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>4. Animal health economics</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>5. Diseases of fish, crabs and mussels</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>6. Diseases and management of deers</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>7. Ambulatory clinics II</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>8. Electives</td>
<td>0,5</td>
<td>-</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>12,5</td>
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</table>

#### 10TH SEMESTER

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>ACADEMIC HOURS</th>
<th>ECTS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Lect.</td>
<td>Sem.</td>
</tr>
<tr>
<td>1. Animal hygiene and prophylactics of animal diseases II</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>2. Zoonozes</td>
<td>1,5</td>
<td>0,5</td>
</tr>
<tr>
<td>3. State veterinary medicine with organization and economics of management measures</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>4. Forensic veterinary medicine</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>5. Ambulatory clinics III</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>6. Electives</td>
<td>0,5</td>
<td>-</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>8</td>
<td>2</td>
</tr>
</tbody>
</table>
Ambulatory clinics I: Clinical rotation of students at the five Clinics of the faculty managed and organized by the subject teaching staff.

Ambulatory clinics II: Realized at cattle farms, sheep farms, swine farms, poultry farms, horse farms, fish farms, slaughterhouses, dairies, apiaries, diagnostic laboratories, veterinary stations – includes all the preclinical and clinical subjects of the 9th and the 10th semester.

Ambulatory clinics III: includes all the clinical subjects and subjects of the VIII, IX, and X semester.

Extramural teaching is organized for students of the VIII semester.
Ambulatory clinics III: realized as extramural student practice at the premises stated under the Ambulatory clinics II during the summer season (July–August) after completion of the 10th semester and lasts for 3 weeks (150 hours). It is compulsory to a student to select a place and an organization to carry out her/his extramural practice not later than completion of teaching process in the 10th semester. Additionally, the student shall obtain official agreements upon the selected location for extramural practice from the leading teacher of the subject, the vice-dean for student affairs, as well as from management of the selected organization where the practice shall be carried out. The student shall maintain a daily written protocol (record) of her/his own work on a daily basis, which must be signed and sealed by authorized veterinary officer of the host organization. Supervision of the student’s field activities is responsibility of the subject leading teacher, the vice-dean for student affairs, or any other teacher or associate appointed by the dean of the faculty.
ORGANIZATION OF TEACHING PROCESS

An academic year is organized in two semesters; winter and summer. Winter semester starts on the first Monday in October and lasts 16 weeks (15 weeks of continued activities and one week for final examinations). Exam preparation and retaking after the winter semester lasts two weeks at most. Verification of the winter semester and admission in the summer semester (and winter break) last two weeks.

Summer semester starts on the third Monday in February and lasts 15 weeks of continued activities and two weeks for final examinations. Exam preparation and retaking after the summer semester lasts two weeks at most. Summer break and other curricular and extracurricular activities (organizing remedial—additional teaching, summer school, summer university, etc.), including examinations, last eight weeks in total. Verification of the summer semester and admission in the winter semester last two weeks.

A precise calendar of teaching program for realization of an academic year is decided and announced by the Educational—Scientific Council of the Veterinary Faculty in Sarajevo at least 60 days prior to commencement of teaching process of the academic year in question.

EXAMINATION POLICY

Examinations are organized in terms predefined in syllabi of subjects which require examination.

EXAMINATION FORMATS

There are oral, written and practical exams. Choice of the format of an exam is made by the faculty department and/or teacher responsible for the subject in question. Written examination is done by a test or a paper, and the results are kept until the end of academic year. Course work of a student is continuously supervised during the semester. Grading is done by scoring of: all activities of a student during semester (class attendance, commitment and engagement in the teaching process); all results of examinations that a student takes during semester (quizzes, laboratory colloquial and entrance tests, midterm exams, seminars, etc); and results of the final exam, upon which the final grade is assigned. All the examinations are public.

Final examinations are taken during the last teaching week within the semester or in the first week upon completion of the classes. Students, who do not pass final exams in certain subjects, are allowed to retake the exams at the end of the semester in question. In the period between the regular final exam and the retake exam teaching staff shall provide consultancy and, if needed, remedial teaching to help the students to prepare themselves for the retake exams.
EXAMINATION AND GRADING SCALE

Number of points assigned to a student for each form of teaching activity is decided by the subject responsible teacher. The total number of points for all the student activities during the course of the subject is 100, out of which minimum 50 points are assigned to the student for activities and scores of examination taken during the semester. Maximum number of points that shall be assigned to the final exam score is 50. Examination and grading system are in accordance and comparable to the ECTS grading scale, as follows:

<table>
<thead>
<tr>
<th>GRADE</th>
<th>DESCRIPTION</th>
<th>POINTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 (A)</td>
<td>An outstanding achievement with no mistakes or with some insignificant errors</td>
<td>95–100</td>
</tr>
<tr>
<td>9 (B)</td>
<td>An achievement that surpasses the average standard, with some errors</td>
<td>85–94</td>
</tr>
<tr>
<td>8 (C)</td>
<td>An achievement that fulfills the average standard, with reasonable errors</td>
<td>75–84</td>
</tr>
<tr>
<td>7 (D)</td>
<td>An achievement that fulfills the average standard despite significant difficulties</td>
<td>65–74</td>
</tr>
<tr>
<td>6 (E)</td>
<td>An achievement that fulfills the minimal criteria</td>
<td>55–64</td>
</tr>
<tr>
<td>5 (F, FX)</td>
<td>Fail to fulfill the minimal criteria</td>
<td>&lt; 55</td>
</tr>
</tbody>
</table>

It is allowed to submit a written request to retake the final exam before an examination board if a student is unsatisfied with final grade in a subject. One student is allowed to submit such request for maximally two subjects within one semester. The request must be submitted to the dean of the faculty no longer than 24 hours upon information on the grade, and the reasons behind such request shall be clearly explained.

Within a 24-hour period upon receipt, the dean shall reject or accept the request, and, if the request is accepted, the dean shall appoint a chairman and two members of the examination board within the same period, given that one board member must be appointed among teachers of subjects other than the subject in question. Also, the teacher who assigned the questioned grade shall not be appointed as the chairman of the examination board. Three days upon submission of the student request, the dean decides on date and time of taking the board examination. The examination board is entitled to evaluate the student only on the basis of results of a written exam and student’s coursework, or an additional oral examination of the student may be carried out. The student is allowed to appeal to the rector of the University of Sarajevo on final decision of the examination board.

REPETITION OF AN ACADEMIC YEAR

A student, who is obliged to repeat an academic year, must attend the classes in subject(s) that she/he failed from again. Due to insufficient ECTS credit score, the repeating student is required to pay certain fees to enroll again in the failed subject. The fee amount is decided by the Senate of the University of Sarajevo.
A REAS OF EMPLOYMENT OF DOCTORS OF VETERINARY MEDICINE

Upon graduation from the Veterinary Faculty in Sarajevo, a student acquires professional degree of Doctor of Veterinary Medicine (DVM) and the right to take a professional veterinary examination organized by entity Ministries of Agriculture, Water Management & Forestry. The examination’s method and requirements are defined by relevant legislation. Veterinary service, which is defined by the Article 51 of the Law on Veterinary Service (“Official Gazette of B&H”, no. 34/02), is performed by licensed veterinarians, i.e. DVMs. Requirements to acquire the license are a proper document on completion of study of veterinary medicine and a document on successful completion of the professional veterinary examination.

According to the Article 51 of the Law on Veterinary Service (“Official Gazette of B&H”, no. 34/02), veterinary service includes:

- Monitoring of animal health status;
- Issuing the veterinary certificates and instructions;
- Issuing of veterinary certificates for animals, instructions and certificates for internal trade in Bosnia and Herzegovina;
- Issuing other veterinary certificates;
- Ear tagging of domestic animals and maintenance of the related animal registers in accordance with relevant legislation;
- Implementation of measures for prevention, detection, treatment and eradication of animal diseases, as well as of injuries and surgical interventions in animals;
- Animal health care, including reproduction health and implementation of measures for prevention and treatment of infertility and artificial insemination;
- Veterinary animal health checks;
- Veterinary control of products, raw materials, and foodstuffs and their labeling, as well as veterinary control of animal feed, drinking water for animals, offals in production, storage and trade in order to assure food safety;
- Basic field and laboratory diagnostics of infectious diseases of animals;
- Monitoring and control of trade and usage of drugs in veterinary medicine;
- Veterinary drug supply;
- Supply of veterinary organizations with drugs, disinfectants, insecticides, and rodenticides;
- Laboratory and clinical testing of veterinary drugs;
- Control of drug efficacy and harmfulness;
- Veterinary consulting in animal health protection, animal nutrition and breeding pathology;
- Education of owners of animals related to veterinary practice;
- Hygiene control in animal breeding premises and other premises and equipment from the point of animal and public health protection;
- Emergency veterinary service;
- Hospitalization of animals;
- Prescription of veterinary drugs, disinfectants, insecticides, and rodenticides to owners of animals and consulting on its use and safety from the point of animal and human health protection;
- Epidemiological monitoring and surveillance of animal diseases in the country;
- Monitoring of animal health care, physiology and pathology of reproduction with artificial insemination on national level;
- Study of influence of veterinary measures on environment;
Control of food safety, as well as of animal feed, offals, semen, ova, embryos, and drinking water for animals;

Maintenance of records and databases on animals and premises in regional and national level in line with relevant legislation;

Organization and implementation of measures for prevention, control and eradication of animal disease and zoonozes;

Cooperation with commissions for animal breeding selection;

Professional elaboration, drafting and planning of measures for animal health protection;

Indirect protection of human health by solving animal health issues, livestock production, and food production & technology;

Health monitoring and treatment of honey bees;

Health monitoring and treatment of fish,

Carrying out of pathomorphological diagnostics;

Carrying out of the VHS;

Realization of disinfection, dezinsection & deratization measures (DDD);

Laboratory testing of materials, animals, foodstuffs, raw materials, semen, ova, embryos, drinking water for animals, air, soil, animal feed, and supplements, offals and waste water, to detect animal infectious and other diseases and to assure safe food for human consumption;

Assurance of preparation measures for defense and protection, as well as organization and realization of veterinary service under the war circumstances or in disaster situations;

Assurance of education of veterinary units within the civil protection forces;

Organization of veterinary education of animal owners and general civil population;

Professional education in the field of veterinary service;

Organization and realization of courses for basic knowledge on animal infectious diseases;

Specialist clinical, laboratory, x-ray and other examinations according to personal expertise;

Veterinary – medical research;

Health protection of pedigree animals in animal breeding centers, a systemic monitoring of their health and reproduction parameters;

Collection, preparation, conservation, storage, and distribution of animal semen, ova and embryos;

Prevention of environmental contamination with pathogens and vectors of animal infectious diseases;

Checking the results of laboratory testing by performing parallel testing and interlaboratory proficiency testing;

Organization and realization of intralaboratory controls;

Assurance of realization of immunity control;

Design, development and application of new laboratory methods for diagnostics of animal infectious diseases, bioresidues and contaminants in food, as well as for other examinations of raw materials, foodstuffs, and animal feed;

Diagnostics and monitoring of residues of hazardous substances in food and animal feed;

Analyses of efficacy and safety of use of disinfectants, insecticides, and rodenticides;

Design and implementation of IT systems in veterinary service in Bosnia and Herzegovina;

Design, development and application of new clinical laboratory methods for diagnostics and treatment animal infectious diseases, and metabolic, breeding and reproductive disorders, and animal injuries;
• Design, development and application of new procedures for artificial insemination, embryo-transfer and laboratory work with gametes;
• Implementation of measures for sanitation of waste water, manure, and other offal materials;
• Dissemination of recent innovations in professional and scientific procedures, methods in veterinary medicine;
• Investigations in the area environmental protection, sanitation of air and water, waste water from the livestock production, animal keeping premises, and animal offal processing premises;
• Protection and promotion of animal welfare;
• Consulting in planning and construction of all premises that must be registered in accordance with provisions of this Law;
• Consulting in planning and implementation of internal controls that must be carried out by legal subjects in line with provisions of this Law;
• Consulting in planning and implementation of other programs for assurance of safety of raw materials, semi-products, final food products and animal feed that must be carried out by legal subjects in line with provisions of this Law.

There are various possibilities and options for employment of DVMs. Most of veterinarians are usually employed by veterinary stations and ambulances, which major duties are animal health protection, development and implementation of preventive programs, and work in overall promotion of the livestock population. Also, veterinarians may be employed by various administrative bodies (national and entity ministries), inspection bodies, veterinary diagnostic, research and education institutions (veterinary schools, faculties, institutes, reproduction centers, etc). Furthermore, veterinarians find their place in livestock production, as well as in system of control of quality and safety of food of animal origin in slaughterhouses, meat and fish processing companies, dairies, and other branches of production of food of animal origin. Veterinarians also work in pharmaceutical industry in the process of development and control of drugs, but also as sales representatives of pharmaceutical companies responsible for distribution of drugs for use in veterinary and human medicine. Finally, veterinarians may find their job in animal feed industry, public health institutes and insurance companies.