Atatürk University
Faculty of Veterinary Medicine

Self-Evaluation Report 2021

for the European Association of Establishments for Veterinary Education (EAEVE)

Faculty of Veterinary Medicine,
Atatürk University (FVMATAU),
Erzurum/Turkey

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Standard Operating Procedure (SOP) Version 30 May 2019
valid for the Visitation 15-19 November 2021

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Introduction

Introduction

Atatürk University

Atatürk University (ATAU) is a comprehensive public university located in the east of Turkey. The history of ATAU is a story of the realization of one of the most significant projects of the Turkish Republic.

In this opening speech for the legislative year at the Grand National Assembly of Turkey on November 1, 1937, Mustafa Kemal Atatürk, the founder of the Turkish Republic, stressed the need to found a big university in the eastern Anatolia region of Turkey, ordering the required initiatives to be taken to this end. After a twelve-year cessation of the works following Atatürk's death, then-third President Celal Bayar reawakened the issue in his inaugural speech to the parliament on November 1, 1950. After a while, the University was named "Atatürk University" by the law dated March 10, 1954, and numbered 6373. After this, the then-government made contact with the United State of America to receive help from the American Organization for Economic Development. Within this context, a cooperation agreement was reached, discussing face-to-face with those concerned in Washington. Later on, a Turkish-American mixed committee was set up to plan and realize the foundation of Atatürk University. After working for three years between 1955 and 1957, this committee prepared the University draft law.

This draft law was adopted by the Grand National Assembly of Turkey with the number 6990 on May. 31, 1957, and came into force on June 7, 1957, following its publication in the Official Gazette. Thus, ATAU officially became founded on June 7, 1957.

View into the future; ATAU has set a slogan "*In the Service of Life, always forward*" reflecting its mission and vision. "In the Service of Life" refers to the mission area and "Always Forward" refers to the field of vision. The "in the service of life" phrase is associated with the tree of life in the logo of the university, and the concept of 'always forward' is also associated with the gaze of the double-headed eagle in the logo. The university, which considers educational, research, and contribution missions to society in a holistic way, also makes sense of its vision and mission in terms of integration.

Mission; In the service of life. Our mission is to contribute to the region and the country, to carry out high-tech design and innovation activities, to educate qualified individuals through formal and distance education, and to enhance the value of science and art universally.

Vision; Always forward. As it has constantly developed itself, our vision is to be a 'pioneer like the name' and a new generation World university in transformations in its region.

Code of Ethics and Core Values;

Scientificity: The university is based on scientific criteria and truths in its decisions and practices.

Innovation and entrepreneurship: It implements new and different applications in areas that will increase its effectiveness.

Participation and sharing: Decisions are taken in an in-participation manner; information is

shared transparently.

The focus of learning: It facilitates and improves the learning experiences of all individuals

Respect for labor and appreciating success: The efforts are respected and achievements are recognized.

Commitment to national and universal values: In addition to loyalty to the values of or country, universal values are also taken into account.

Social, cultural, environmental, and artistic sensibility: Problems and needs in social areas are dealt with responsibly (https://www.atauni.edu.tr/uploads/2019-2023-StratejikPlan.pdf).

ATAU has been one of Turkey's largest universities with its 23 Faculties, 8 Institutes, 1 College, 13 Vocational Schools, 1 State Conservatory, 44 Research and Application Centers. Important research centers in the field of veterinary medicine within the university are the Eastern Anatolian High Technology Application and Research Center (DAYTAM), Atatürk University Medical Experimental Application and Research Center (ATADEM), and Food and Livestock Application and Research Center (GHUAM)"

Also, the university currently has 2712 academic staff (625 Professors, 340 Associate Professors, 602 Doctoral Lecturer,1145 Lecturer, and Research Assistants),1.630 administrative staff, and a total of 496.887 students including (64.748 formal education, 432.139 open education) (*https://avesis.atauni.edu.tr/*). Currently there are 6024 Master of Science Programs (MSc) and about 2408 Doctor of Philosophy (PhD) students. The annual budget of ATAU in 2021 was 946.265.512,00 Turkish Liras (TL). In addition, the budget revenues of our University's Revolving Funds in 2020 are 617.335.496,00 TL (1 Euro= 8,50 TL) (*https://atauni.edu.tr/yuklemeler/679117b754870feba64a968c1a68cedb.pdf)* .

ATAU was ranked 11th in Turkey and 1052th in the world according to 2020-2021 ranking among the top 2.500 universities in the world published by University Ranking by Academic Performance.
(https://newtr.urapcenter.org/Rankings/2020-2021/2020-DEVLET%20%C3%9CN%C4%B0VERS%C4%B0TELER%C4%B0).

Faculty of Veterinary Medicine of Atatürk University

The science of veterinary medicine sprouted in Turkey with the establishment of the Military Veterinary School in Istanbul in 1842. This school was united to Civilian Veterinary School which was founded in 1889. Within the framework of the higher education reforms of the Turkish Republic, the Veterinary School was transferred from Istanbul to Ankara.

Due to the high potential of the animal population of Erzurum city, Faculty of Veterinary Medicine of Atatürk University (FVMATAU) was established on 30/05/1997. In the beginning, the faculty gave education in the outside campus in 2000. A building for the faculty was established in the campus area of ATAU and the FVMATAU moved to the faculty building in February 2009 (https://www.youtube.com/watch?v=NKMYPa_CQ-E).

The mission of the FVMATAU is to train veterinarians who have gained professional knowledge and skills in national and universal standards, to conduct research in the field, and to serve

society. Its vision is to be a pioneering and innovative faculty that is set an example at the national and international level, accredited, honored to be a member of.

FVMATAU continues to provide education with 5 divisions and 21 departments within its structure. Today, there is a total of 80 academic staff; 25 Professors, 18 Associate Professors, 15 Assistant Professors, 22 Research Assistants in the faculty. Approximately one hundred students are registered to the faculty every year. As of the 2020-2021 academic year, there are 495 registered students and 16 of them are foreign students. Including the year 2021, 835 students have graduated from the faculty since its Establishment (*https://avesis.atauni.edu.tr/*).

14 MSc and 13 PhD Programs are conducted within the Institute of Health Sciences. As of 2020, there are 132 registered MSc students and registered 79 PhD students.

FVMATAU building has 46 research laboratories, 5 practical training laboratories, 1 student computer laboratory, 7 classrooms, 1 clinical skills laboratory, 1 anatomy unit, 1 necropsy unit, 1 meeting room, 1 conference hall, and 3 reading rooms.

The Veterinary Teaching Hospital (VTH) serves in three different areas; small animal clinic, large animal clinic, and equine clinic. Each clinic has its examination and treatment rooms, operation halls, hospitalization, and quarantine sections. The hospital building also has a necropsy hall, diagnostic laboratory, and imaging unit. This hospital is the largest VTH in the region.

FVMATAU is a member of Association for Evaluation and Accreditation of Educational Institutions and Programs of Veterinary Medicine (VEDEK) which is the national accreditation unit of veterinary education in Turkey and conditionally approved for two years on February 14, 2020. FVMATAU was ranked 3th in Turkey 2021 ranking among the top 28 faculties in TIMES (*https://www.timeshighereducation.com/world-university-rankings/2021/world-ranking#!/page/0/length/25/locations/TR/subjects/3123/sort_by/rank/sort_order/asc/cols/stats*)

The upcoming visit will be the first by the European Association of Establishments for Veterinary Education (EAEVE). FVMATAU was unanimously accepted as a member of EAEVE at the 23rd General Assembly Meeting of EAEVE held in Vienna-Austria on May 19-21, 2010.

Major problems; Rectorate tends to increase the number of students every year. The insufficient number of research assistants and technicians. Also, an insufficient number of administrative staff. An insufficient number of cases in some animal species (horse, pig, exotic). Another problem, partial insufficiency of classrooms and the library.

Standard Operating Procedure (SOP) as approved at the Zagreb General Assembly on 30 May 2019.

Standard 1.

Objectives, Organisation and QA Policy

1. Objectives, Organisation and QA Policy

1.1. Objectives

The goal of veterinary education has been determined as advancing the welfare of the society by educating veterinarians equipped with up-to-date knowledge and skills, based on research and evidence, comprehending developing information and technologies, having ethical principles and attitudes, adopting lifelong learning as a principle and having international norms. Europan Union (EU) directives and European Standards and Guidelines (ESG) recommendations are observed in all processes of the education given at the faculty.

FVMATAU's curriculum program has been rearranged in line with the Veterinary Basic Field Competencies within the scope of the Turkish Higher Education Qualifications Framework (TYYÇ) and the evaluation criteria determined by the EAEVE. This new curriculum put into practice has been arranged for veterinarians who will graduate to be competent and equipped to serve in all areas of their profession.

Mission and Vision

The mission and vision of our faculty have been determined based on the slogan "In the service of life, always forward", which reflects the mission and vision of ATAU "in the service of life" refers to the field of mission, and "always forward" refers to the field of vision.

- The mission of the FVMATAU; To train veterinarians who have gained professional knowledge and skills in national and universal standards, to conduct research in the field, and to serve society.

- Its vision is to be a pioneering and innovative faculty that is set an example at the national and international level, accredited, honored to be a member of.

Again, in line with the provision, development, and monitoring of all European System of Evaluation of Veterinary Training (ESEVT) sub-standards, FVMATAU strives to continuously follow national and international developments and to have innovations in veterinary medicine and animal health services.

Main Purposes

- To bring the education and training standards of our faculty to the level of veterinary faculties of the European Union (EU),

- To increase the number and quality of academic, administrative, and auxiliary staff in the faculty,

- To create a healthy and safe working environment for staff and students,

- To keep up-to-date by developing training and infrastructure opportunities,

- Developing research and infrastructure opportunities by increasing the funds received from the projects,
- To ensure that the quality assessment processes are carried out in a healthy way,
- To enable students to participate in social and cultural activities.

Main Goals

- To obtain accreditation approval to provide education following EU standards, to be an institution that provides quality education at the national and international level,
- To implement occupational safety and environmental health measures with full sense, provide the necessary conditions in these issues in the faculty,
- Increasing the number of projects supported by national and international organizations,
- Increasing the number of scientific articles published in Science Citation Index (SCI) and the number of publications per academician,
- To increase the revolving fund returns of the faculty,
- To increase the recognition of the faculty by promoting it.

1.2. Contact and organisational description

The supreme board of universities in Turkey is Council of Higher Education (YÖK). Administrative and academic activities in universities are carried out according to the Higher Education Law No. 2547. In 1981, in accordance with the new Higher Education Law, the administration of higher education in Turkey was comprehensively restructured. The organization of FVMATAU is established by national legislation (2547. numbered Law). Also the FVMATAU curriculum was renewed in 2020 according to the EC Directive 2005/36.

Details of the Establishment, i.e. official name, address, phone number, email and website addresses, Establishment's Head, name and degrees of the person(s) responsible for the professional, ethical, and academic affairs of the VTH, official authority overseeing the Establishment:

Name of the Establishment	Faculty of Veterinary Medicine of Atatürk University
Address	Faculty of Veterinary Medicine, Atatürk University, Campus, 25240 Yakutiye, Erzurum, Turkey
Telephone	+90 (442) 231 72 21- 231 72 22
E-Mail	vetfak@atauni.edu.tr
Fax	+90 (442) 231 72 44
Website	http://veteriner.atauni.edu.tr
Establishment's Head	Prof. Dr. Yavuz Selim SAĞLAM, DVM, PhD
The person who is responsible for veterinary curriculum	Assoc. Prof. Emin ŞENGÜL, DVM, PhD
The person who is responsible for the professional, ethical, and academic affairs of the Veterinary Teaching Hospital	Prof. Dr. Bülent POLAT, DVM, PhD
The official authority overseeing the Establishment	Rector-Prof. Dr. Ömer ÇOMAKLI (Mechanical Engineer) PhD
Competent authority overseeing the Establishment	Council of Higher Education, Turkey

FVMATAU administrative bodies are composed of the Faculty Board and the Faculty Administrative Board. In addition to academic boards that can make decisions about their affairs at the level of divisions and department heads, there is a Faculty Academic Board consisting of all faculty members of the faculty. These boards meet and take decisions when necessary, with written agendas determined by the unit managers.

Dean: The dean, the representative of the faculty and its units, is selected among three professors in or out of the university, who are offered by the rector, and is appointed by YÖK for three years. The dean whose duty term expires can be reassigned with the same method. The Dean's office, which is the basic administrative unit of the faculty, is assisted by the Deputy Deans and the Faculty Secretary. For this purpose, two vice deans and a faculty secretary work at FVMATAU.

Faculty Board: The Faculty Board is composed of three faculty members who will be elected by the head of departments and the professors at the faculty, two faculty members who will be elected by associate professors and one doctor faculty member who will be elected by doctor faculty members for three years under the presidency of the dean. The Faculty Board, an academic one, decides on the educational, scientific and publication activities of the Faculty and the principles, plans, programs and educational calendar of these activities. It selects the member for the Faculty Administrative Board

Faculty Administrative Board: The Faculty Administrative Board consists of three professors, two associate professors and one doctor faculty member who will be elected by the Faculty

Board for three years under the presidency of the dean. The Faculty Administrative Board helps the dean in administrative activities. They ensure the implementation of the education and teaching programs and the academic calendar of the faculty. They decide on all affairs regarding faculty management reported by the Dean. They also make decisions about the admission of the students, course adaptations and drop-outs, as well as the operations related to teaching and examinations.

Divisions and departments: FVMATAU, consists of 5 divisions and 21 departments. Departments are responsible for teaching and research activities. The head of department is appointed by the Dean for three years, taking into account the written suggestions of the Heads of the relevant departments. The Head of the Department is responsible for the teaching and research at all levels of the department and the regular and efficient execution of all activities in the department.

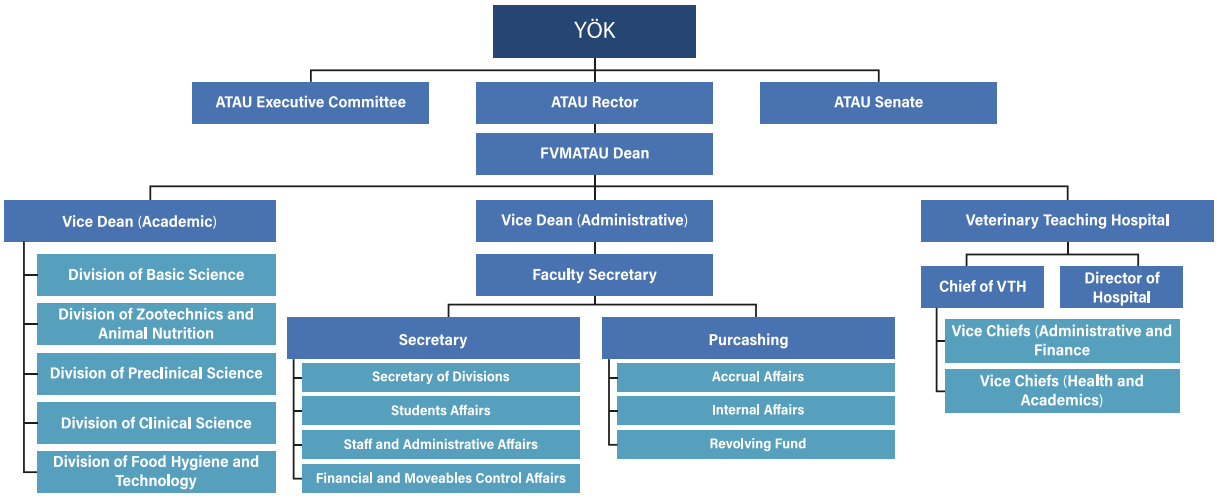

Figure 1.2.1. Organization Chart of FVMATAU

Academic structuring in FVMATAU consists of 5 divisions and 21 departments. The departments in each division are summarized in figure below (Appendix 1).

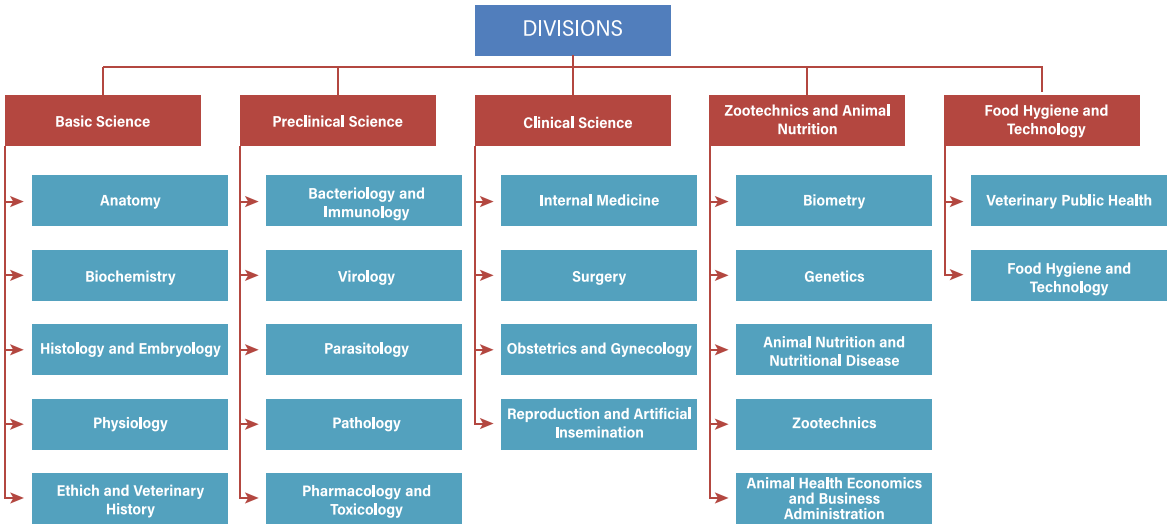

Figure 1.2.2. Divisions and Departments Chart of FVMATAU

There are VTH Chief Physician, Diagnosis, and Analysis Laboratories Coordinatorship within FVMATAU due to the services they provide. These units are followed and managed by the Chief Physician and Coordinator appointed by the Dean. The VTH has an independent Board of Directors, which is capable of making decisions within itself.

In the execution of the academic and administrative affairs of the faculty; there are commissions and coordination offices with independent and impartial decision-making and authority. These commissions, all of which are listed below, serve and make decisions in the execution of faculty services. The commissions, consisting of a chairman and members, conduct research and evaluations related to their fields of duty and assist the dean's office in decision-making and implementation processes. Commission decisions taken by a majority or unanimous vote in these commissions are submitted to the dean's office as a recommendation. However, some other commission decisions are binding, including the first two commissions regarding the financial issues mentioned below.

The commissions formed within the faculty and their duties are listed below (Appendix 2).

Tender and Procurement Commission

Executes tender and procurement procedures.

Inspection and Scrapping Commission

Performs inspection and acceptance of materials purchased

Revolving Funds Commission

It ensures the execution of revolving funds.

Alumni Relations and Vocational Information Commission

Arranges relations with alumni. Alumni surveys organize the activities to be done with Alumni. Prepares vocational information programs for students

Animal Welfare Commission

They are responsible for all operations related to animal welfare.

Disabled Support Commission

It works for disabled employees and students. It makes arrangements for the transportation of disabled citizens to the faculty.

Infection and Biosafety Control Commission

It deals with infection and biosecurity issues.

Education-Training Commission

The commission takes decisions on all kinds of education-related issues such as curricula, exam schedules, organization of practice courses, evaluation of horizontal and vertical transfers, and course adjustments, and makes recommendations to the dean's office.

Atatürk University Journal of Veterinary Sciences Editorial Board

It carries out studies on acceptance of publications, preparation, and publication of the journal, recognition of the journal in indexes.

Internship Commission

It determines the internship places of the students, checks the suitability of the internship places, and approves the internship.

Scholarship Commission

It ensures that scholarship quotas from various institutions are given to students in need. Announces scholarship announcements to the students.

Bologna Term Studies Commission

It assists in the stages of the Bologna process.

Sports Activities Commission

It enables students to take an active part in sports organizations organized within the university. Makes the selections of the teams that will represent our faculty. It provides opportunities for teams and students to prepare for sports activities and competitions. Reports students' needs to the dean.

Yearbook Preparation, Technical and Social Activities Commission

It plans the social activities to be organized in the faculty and provides the organization of programs such as graduation ceremonies, concerts, trips.

Erasmus Faculty Exchange Coordinator

Conveys the announcements and programs related to the Erasmus faculty exchange to the faculty members. Assists faculty members for the exchange program.

Erasmus Exchange Program Coordinator

Conveys the announcements and programs related to Erasmus student exchange to the students. Assists students in the exchange program.

Farabi Exchange Program Coordinator

Conveys the announcements and programs related to Farabi student exchange to the students. Helps students with the exchange program.

Mevlana Exchange Program Coordinator

Conveys the announcements and programs related to Mevlana student exchange to the students. Helps students with the exchange program.

International Affairs Commission

It is responsible for all kinds of international relations.

Corporate Communications Coordination Office

It takes part in the follow-up and announcement of the events.

Faculty of Veterinary Medicine Project Office Commission

They follow up the projects carried out in the faculty.

Project Development and Coordination Office Faculty Coordinator

Represents faculty in University Research Projects.

Academic Criteria Evaluation Commission

Evaluates the academic activities of the academic staff during the re-appointment and extramural appointment. It determines whether it meets the appointment criteria, prepares a report, and submits it to the dean.

VTH Board Members

VTH management is the decision-making body.

VTH Patient Reporting Commission

Monitors the reporting procedures at the VTH.

Unit Academic Incentive Application and Review Commissions

They examine and approve the application files of faculty members who apply for academic incentives in January each year.

Savings Measures Commission

Follows the saving measures to be taken in the faculty.

Medical and Hazardous Waste Management Commission

Provides management of all kinds of waste.

Occupational Health and Safety Commission

Follows occupational health and safety measures.

Faculty of Veterinary Ethics Commission

Evaluates the ethics commission applications of scientific studies conducted in the unit.

Accreditation Commission (National and International)

It makes the necessary preparations for the applications to be made to national and international accreditation institutions. It supports the activities of the Dean in this regard.

Foreign National Investigation and Evaluation Commission

They make assessments about foreign students.

Contracted Personnel Recruitment Evaluation Commission

Evaluates the contracted personnel to be admitted to the faculty and submits them to the Dean's office.

Unit Quality Commission

Conducts quality studies and processes.

Strategic Planning Commission

Participates in the preparation of the strategic plan.

Ambulatory Clinic Commission

Makes the planning of ambulatory clinic activities. Prepares the program, determines the instructors and students who will participate in the activity.

Satisfaction Evaluation Commission (Education-Training and Hospital Services)

Follows the satisfaction evaluation process related to the services provided.

Self-Evaluation Commission

Makes the self- evaluation and reporting of the Establisment.

1.3. Summary of the Establishment strategic plan

The strategic plan of the faculty has been prepared and implemented. **(**https://atauni.edu.tr/veteriner-fakultesi-stratejik-plani) (Appendix 3).

Strengths

- To be a part of a long-established and big university like ATAU,
- To have academic staff who have completed their postgraduate education in different higher education institutions of the country,
- Competence in physical conditions,

- Device and equipment adequacy of Laboratories and VTH units,
- The university has a financially strong unit of Scientific Research Projects,
- Supports provided to projects from institutions and organizations providing regional support,
- To have the only licensed VTH in the region,
- Presence of a well-equipped ambulatory clinical service vehicle that can provide animal health services under field conditions,
- Having laboratories with official work permits,
- The main livelihood of the region is animal husbandry,
- In terms of the number and diversity of sick animals, the increase in the number of pet animals besides farm animals in recent years,
- Preparation of the legal basis for the consultancy services that faculty members can provide to the sector,
- Within the GHUAM affiliated to the Rectorate of ATAU, there are units within walking distance of our Faculty where the students' practical training is carried out,
- Having areas and opportunities for social and cultural activities on the university campus.

Weaknesses

- Lack of publicity for awareness,
- Distance to sectoral investments and developed industrial zones,
- Geographically located in the east of the country, students and faculty members prefer western provinces more,
- The problem of employment of veterinarians in the future due to the increase in the number of veterinary faculties in recent years.

Opportunities

- To be the unit of a well-established, experienced, and financially strong university,
- Existence of domestic and international exchange programs for students and academic staff in the international arena.

Threats

- The increasing number of students placed in the faculty every year,
- Continuous increase in the number of faculties in the country,
- Existence of norm staff application,
- Students who get high scores in the student selection exam do not prefer our faculty in the first place,
- Unfavorable geographical location and climatic conditions.

Summary of the Establishment Operating Plan with Timeframe and Indicators of Achievement of its Objectives

Goal and Strategy	Time Range
Developing the institutional structure	
Increasing cooperation with public and private institutions	Annual
Increasing communication and cooperation with animal breeders	Annual
Increasing the number of national and international stakeholders	Annual
Developing relationships with alumni	Annual
The improvement of the quality of academic staff and students	
Increasing the participation of academic staff and students in international exchange programs	Annual
Increasing academic staff-industry cooperation	Annual
Promoting foreign language learning	Annual
Encouraging student clubs	Annual
Increasing the social activity areas of academic staff and students	Annual
Improving Education and Training	
Leading the Veterinary Specialization Exam process	Annual
Developing the faculty's educational materials	Annual
Improving educational environments such as classrooms, laboratories, etc.	Annual
Improving research quality	
Increasing the diversity and quality of research	Annual
Increasing the number and quality of research projects	Annual
Strengthening financial resources	Annual
Increasing the participation of academic staff and students in scientific meetings	Annual
Increasing the number of articles in international indexed journals	Annual
Increasing efforts for Faculty Journal to be included in the scope of SCI	Annual

1.4. Standards, quality assurance and policies of the Establishment

Internal evaluation reports prepared by our university are submitted to the Institutional External Quality Commission within the body of the YÖK every year. The evaluations made by this committee about the report and recommendations for improving the quality are also prepared as a report and published on the website of the institution (https://yokak.gov.tr/raporlar/IntrnalReportPublic?uniId=1037&termYear=2020).

ATAU has a Quality Coordination Office. The quality policy has been established as a result of the studies carried out by the coordination office. In quality studies, it is aimed to create a multiplier effect by integrating the fields of education, research, and contribution to society (http://atakalite.atauni.edu.tr/index.php/kalite-politikamiz/).

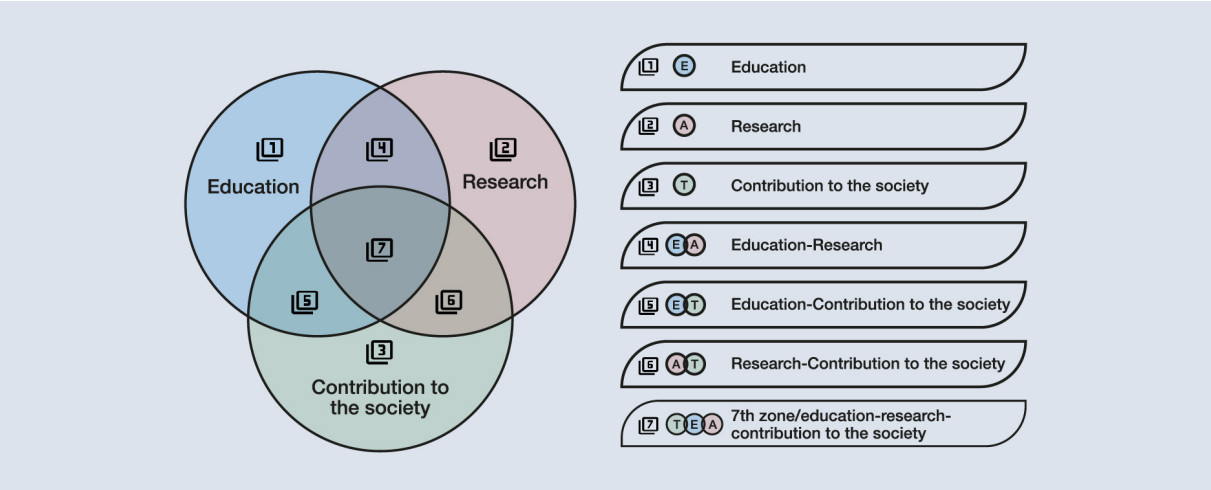

Figure 1.4.1. Activity contribution multipliers in the new generation university approach (https://atauni.edu.tr/yuklemeler/34d75585cfb0fb5df597b501e7b2dd2b.pdf)

In addition, it is aimed to improve the competitive power of ATAU at the national and international level, to maximize student employee and stakeholder satisfaction, and to comply with national and international standards.

ATAU Quality Management promotes good practices at the university and organizes instructions, feedback systems, evaluations, accreditation procedures, internal audit practices. In the studies carried out, the participation of all stakeholders is ensured and shared with the principle of transparency. Activities are carried out with a continuous improvement approach.

Priority is given to having national and internationally recognized certification.

FVMATAU was conditionally accredited for 2 years on 14 February 2020 by the VEDEK.

FVMATAU was unanimously accepted as a member of EAEVE at the 23rd General Assembly Meeting of EAEVE held on 19-21 May 2010 in Vienna, Austria.

1.5. Upgrading system for stakeholders and public

Information about FVMATAU is available on the ATAU website in Turkish and English (https://atauni.edu.tr/veteriner-fakultesi - https://atauni.edu.tr/en/veteriner-fakultesi).

As content; history of the faculty, mission, vision, institutional evaluation and strategy plan, management structure and staff, internal control, promotion, VTH, application units, accreditation, foreign relations, faculty journal, organized events, educational processes, and legislation, student suggestions, and complaints, social media and contact information are presented on this website. The curriculum vitae of the academic staff, detailed information about their projects and publications, and developments regarding the faculty are also included on the same page. In addition, Faculty activities are shared on instagram (https://www.instagram.com/atavet.official/) and YouTube (https://www.youtube. com/channel/UCUbIf2aIe9pXfvXE9S_M7Eg) social media accounts, and by the Press and Communication Coordinatorship of the university and national Radio/TV channels, and the broadcasting organs of the Faculty of Communication, promotion, and information programs are made. There were instructions about of the ESEVT (https://atauni.edu.tr/eaeve).

1.6. Review, evaluation, and reporting of the Establishment activities

FVMATAU is established by national legislation (2547 numbered Law). Decisions are taken upon by the faculty administrative board or the faculty board in accordance with the recommendations of the existing commissions. Dean decided to form a strategic planning commission. Self-Evaluation, Unit Quality, and Strategic Plan Preparation commissions have been established in our faculty. Studies are carried out and reports are prepared annually by these commissions.

FVMATAU's Strategic Plan covering the years 2019-2023 has been prepared and approved by the Strategic Plan preparation commission (https://atauni.edu.tr/veteriner-fakultesi-stratejik-plani) (section 1.3, 1.4). In parallel with these studies, our faculty undergo internal and external audits every year.

1.7. External review of the Establishment through the ESEVT

FMVATAU has not been visited by the EAEVE before.

Comments on Standard 1

Changes and developments have been made in FVMATAU since being accepted as a member by EAEVE. First of all, academic staff, students, and university administration were informed and their contributions were provided. In line with the strategic plans prepared by considering the norms of YÖK, VEDEK, and EAEVE, organizational structure and curriculum changes were made and put into practice. FVMATAU has a corporate function that carries out the training and research and animal health services provided in line with the legislation prepared in accordance with the above-mentioned institution norms. It continues its activities with a participatory approach through the commissions it has established. For the future, significant improvements are expected in the quality of all services offered at the faculty.

Suggestions for improvement on Standard 1

Faculty should strive to develop and monitor its mission statement for ESEVT substandard. A tradition of providing quality service and entrepreneurship should be established. The lack of foreign language and international experience of faculty and students should be eliminated.

Standard 2.

Finances

2. Finances

2.1. Description of the global financial process of the Establishment

ATAU is a state university and most of its budget revenues are financed by the treasury. This budget is called "Special Budget" in official budget transactions. The proposals, acceptances, and expenditures of the special budget are made within the framework of the current legislation. In line with the Budget Preparation Guide published every year, the budget proposals requested by the University Strategy Development Department are sent to the aforementioned Department to be prepared by the faculties and consolidated at the university level. The budget proposal, which is deemed appropriate after the consolidated transactions, is submitted to the Presidency and the Ministry of Treasury and Finance. With the approval of these institutions, the budget for the next year is sent to the Turkish Grand National Assembly as a law proposal. The budget approved by the Assembly enters into force by being published in the Official Gazette. Expenditures are made from the faculty budget, which is determined within the budget allocated to the University as a result of the above-mentioned processes. FVMATAU budget expenditures; respectively responsible for personnel performing official (Faculty Secretary), spending authority (Dean of Faculty) and after control by the University Strategy Development Department, expenses payments have been made.

ATAU Rectorate has a strong budget income. Special Budget appropriation for 2021: 946.265.512,00 TL (1 Euro=9,80 TL). The budget revenues of our University's Revolving Funds in 2020 are 617.335.496,00 TL (1 Euro= 8,50 TL).

The annual budget revenues of FVMATAU are provided from the following sources

1. Special Budget (Treasury resource)

2. FVMATAU Revolving Capital Property services revenues (revenues obtained from the VTH and another diagnostic unit).

3. Project Revenues

a) Research funds provided by the Scientific Research Projects Coordination Unit (BAP),
b) Research project revenues supported by non-university institutions (TÜBİTAK, etc.)

4. Other Resources (consulting revenues, grants, non-university organizations, etc.).

Special Budget (Treasury Resource)

Expenditures originating from the private budget are made from the budget allocated to the rectorate or faculty.

Rectorate Expenditures: The main expenses of FVMATAU, such as heating, water, electricity, training equipment, magazine subscriptions, telephone and internet expenses, are carried out directly by the University Rectorate. Nutrition, health, social, cultural, and sports activity expenses of the students and student club activity expenses (congress expenses, instrument,

device and material purchase, etc.) are covered by the University Rectorate through the Department of Health, Culture, and Sports. Faculty management can also provide financial support in case of need. Expenses related to all kinds of new buildings to be built at university or faculty level, major building repairs, infrastructure construction such as water, electricity, and wastewater are paid by the Rectorate through the Construction and Technical Department. The expenditure timeframe of the annual budget covers the calendar year from January 01 to December 31, not the academic year.

Faculty Expenditures: Staff expenses of FVMATAU (salaries, social security and health expenses, and annual academic incentive fees), domestic/international travel, congress and meeting expenses within the scope of the official assignment, and ceremony, representation, and organization expenses are covered from the annual budget of FVMATAU. In addition, medical equipment, medicament and consumable expenses of VTH and laboratories and furniture, computers, photocopiers, air conditioners and equipment purchase for classrooms and offices and their maintenance and repair, postal and cargo expenses, cleaning materials, stationery (exam paper, forms, files, and envelope) and faculty magazine printing expenses, minor building maintenance-repair and service procurement expenses are covered from FVMATAU's budget. Departments and divisions do not have a separate budget, their demands are met from the faculty budget. In the event of an urgent need, the Dean has full authority and autonomy to meet the needs of his departments or to allocate money for a purchase.

Revolving Fund Budget

The main source of the Faculty Revolving Fund budget revenues comprises the revenues from VTH services and the diagnosis and analysis service revenues of the central and department laboratories. The revenues obtained in return for the consultancy services provided by the faculty members of our faculty and the revenues of the projects supported by non-university organizations are also traded within this budget. In case of need, funds can be transferred from the revolving fund budgets of other units to the faculty revolving fund with the approval of the Rectorate.

Control and financial supervision of budget expenditures are carried out by the Dean's Office, the Revolving Funds Directorate, and the relevant Accounting Office.

Project Budgets

Project Budget revenues are provided from two main sources.

a) Scientific Research Projects Budget: It is an important budget resource provided by Atatürk University BAP to support scientific research projects carried out by faculty members of the FVMATAU. Academicians at all levels can receive support from the BAP unit to conduct research. It is a funded system on the condition of acceptance of projects prepared by researchers and submitted to expert referee/panel evaluations. "Scientific and Technological Research Projects", "Basic Research Projects", "Multidisciplinary Research Projects", "Graduate Thesis Projects" are supported. Again, finance is provided based on "Guided Projects" for the education and research infrastructure of the faculty.

b) Research projects supported by non-university institutions (TÜBİTAK, etc.): It is the project income used directly by researchers within the scope of research projects financed by scientific institutions. Purchases and expenditures for hospital/laboratory equipment and consumables

included in the project budget are either made directly by the project coordinator or by the revolving fund unit after the budget transfer.

Other Resources: (Grants, funds, etc.):

There are veterinary services revenues, consultancy revenues, and grants financed by investor organizations that fund the livestock sector.

Revolving fund budget revenues; 5% is transferred to the BAP's budget, 1% is the treasury share, and 1% is the corporate share of the Revolving Fund and legal tax payments to the relevant accounts. Income and expenses from these activities are tracked in a separate bank account.

For national students, no annual tuition fee is charged during the normal education period. In case the education period is extended, the tuition fee determined by the state is charged for each academic year. In addition, regular secondary education, summer school, university extension and distance education, and tuition fees received from international students are transferred to the university budget as a source. In case of need, these incomes are allocated to the faculty. For the 2020-2021 academic year, the annual national student tuition fee is 420,00 TL, and the annual tuition fee for international students is 6.000,00 TL per year.

The main expenses of FVMATAU such as heating, water, electricity, magazine subscriptions, telephone, and internet expenses are covered directly by the University Rectorate.

Electricity expenses for 2020 180.000 KW=133.200,00 TL, heating expenses 588.000 m^3 of natural gas price was calculated as estimated 1,150,000.00 TL.

Table 2.1.1. Annual expenditures during the last 3 academic years (TL)
Exchange: 2020: 1 Euro = 8,50 TL, 2019: 1 Euro =6,44 TL, 2018:1 Euro = 5,38 TL- (July 01).

Area of Expenditures		Year			Mean
		2020	2019	2018	
A	Personnel (academic and suppurt staff)	13.617.423,27	11.561.152,89	9.240.447,47	11.473.007,88
B	Operating cost (consumable supplies, travel payment, purchased services)	157.837,33	245.576,87	70.056,36	157.823,52
C	Maintenance Cost (ofis, class, lab, and VTH)	19.682,40	128.897,01		49.526,47
D	Equipment	683.603,50	230.654,60	4.159.812,10	1.691.356,73
E	Project expenditures	1.671.079,09	1.380.102,28	887.696,48	1.312.959,28
F	Revolving Fund Expenditures (VTH, Faculty)	1.957.302,06	2.486.100,35	3.318.608,33	2.587.336,91
Total Expenditures (A+B+C+D+E++F)		18.106.927,65	16.032.484,00	17.676.620,74	17.272.010,80

Table 2.1.2. Annual revenues during the last 3 academic years (TL)

Revenue Sources			Year			Mean
			2020	2019	2018	
A	Public authorites (salaries, insurance and annual budget)		13.799.369,27	11.947.311,77	9.329.275,52	11.691.985,52
B	Research Grants	Research	1.671.079.09	1.380.102,28	887.696,48	1.312.959,28
		Equipment	683.603,50	230.654,60	4.159.812,10	1.691.356,73
C	Revolving Funds (VTH, Laboratory, Consultancy, non- university projects).		2.029.534,24	2.341.332,50	3.391.144,00	2.587.336,91
Total Revenues (A+B+C)			18.183.586,10	15.899.401,15	17.767.928,10	17.283.638,45

Table 2.1.3. Annual balance between expenditures and revenues (TL)

Year	Total Expenditures	Total Revenues	Balance
2020	18.106.927,65	18.183.586,10	76.658,45
2019	16.032.484,00	15.899.401,15	- 133.082,85
2018	17.676.620,74	17.767.928,10	91.307,36

2.2. Degree of autonomy of the Establishment on the financial process and learning operations

Expenditures needed for the education and practices of the student are resolved with priority. Resource allocation is made regardless of cost. For this purpose, all expenses (transportation, subsistence, and consumables) of education and practices such as classrooms, laboratories, clinics, and ambulatory clinics in rural areas are covered by the Dean's Office without seeking financial self-sufficiency.

FVMATAU budget expenditures; are controlled by the responsible staff, the realization officer (Faculty Secretary), the spending officer (Faculty Dean), and the University Strategy Development Department, respectively. Payment is made for eligible expenditure transactions.

The internal audit of all expenditures made during the year is controlled by the University Internal Audit Unit with an analytical accounting system. The external audit of the expenditures, on the other hand, is carried out by the auditors of the "Turkish Court of Accounts", an independent public institution, within the following year. Budget expenditures and how they are controlled are regulated by laws and regulations.

The Dean's Office has full authority and autonomy in the creation and expenditure of both the special budget and the revolving fund operating budget. Income and expenditures obtained in return for the services provided by the faculty, especially VTH services, are carried out over the Revolving Fund budget. It is a budget with very simple bureaucratic procedures. The annual revolving fund budget is first discussed at the Faculty Administrative Board and becomes certain with the approval of the University Administrative Board. Following the legal legislation, some expenditures from the budget (travelers, ceremonies, subsistence, etc.) are processed after the decision of the Faculty Administrative Board.

Again, the project coordinator faculty members have full authority in the expenditures of the approved research project budgets.

2.3. Regular evaluation of the resources allocation in the Establishment

Allocations and expenditures of the special budget are monitored by the Strategy Department of the Rectorate. The monthly income and expense tracking transactions table of the Revolving Fund budget prepared by the Dean's Office is submitted to the control and examination of the Revolving Funds Directorate and the Treasury Accounting Office.

A budget of 778.832,24 TL in 2020 and 953.997,75 TL in 2021 for the construction of the additional building of the FVMATAU (Emergency clinic, quarantine unit, equine and cattle hospitalization departments) was provided by the Rectorate and the construction was completed. In the first 6 months of 2021, a budget of 1.775.761,00 TL was provided for the purchase of equipment needed in the Emergency Clinic unit within the scope of the Guided Project from the BAP unit. In the first 6 months of 2021, a budget of 864.844,64 TL was provided for research projects from the BAP unit.

In 2018, a budget of 1.394.897,00 TL is provided within the scope of the "Provision of Mobile Animal Health Polyclinic and Training Services in Rural Project" supported by the "Trans-Anatolian Natural Gas Pipeline Project (TANAP)". With the expenditure made from this project, Ambulatory Clinic Service Vehicle and medical equipment were purchased and under the supervision of faculty members, field application studies are provided to undergraduate and graduate students, and veterinary services are provided to farmers.

For the Establishment of the Veterinary Vaccines Production Unit, the "Autovac Vaccine Development Project -HYP 2018/225" studies, supported by the Ministry of Industry and Technology, Eastern Anatolia Project Administration (DAP) with a budget of 2.455.000,00 TL, was started in our faculty. In 2018-2020, 2.256.497,00 TL was spent on equipment and equipment for this unit, which was transformed into a "Vaccine and Biological Product Development Application and Research Center in Veterinary Medicine" affiliated to the Rectorate in 2021. Supported by the same organization with a budget of 300.000,00 TL, the "Prevention of Calf Mortality Project - 2018/183" was carried out and completed in 2018-2020. The "Prevention of Calf Mortality Project - 2019/331" with the same purpose and a budget of 250.000,00 TL continues. In 2021, Scientific and Technological Research Council of Turkey (TÜBİTAK) provided a budget of 936.000,00 TL for the project titled "Fast On-Site Technologies for Combating Antimicrobial Resistant Mastitis in Dairy Cattle".

As a result of Embryo Transfer studies carried out by our faculty, the first calves were born. It is planned to establish an Embryo Production Center by obtaining resources from the BAP unit of the Rectorate and non-university units.

It is planned to create an Anatomy Museum with the construction of additional classrooms, student canteen, library, and equipment for the needs of the faculty. This projected expenditure for the special budget, the VTH, and returns to capital income, BAP, and DAP etc. budgetary support will be provided.

The amount of expenditures foreseen for the next three years is expected to increase, approaching annual inflation rates, based on 2020 expenditures. The main source of revenue will be the

private budget, VTH and revolving fund revenues, and BAP budget resources. In addition, extra funding will be sought from other sources (TÜBİTAK, DAP, EU).

Revolving fund budget revenues are prepared annually by the dean's office in line with the demands and needs of the division and VTH management for the next year. It is discussed by the Faculty Administrative Board and after the positive opinion is reached, it is submitted to the approval of the University Administrative Board and becomes final. The Dean's Office has full authority and autonomy to meet the urgently needed consumables and equipment for the education and hospital services of the department heads and the VTH, in spending both the special and revolving fund budgets.

Comments on Standard 2

The priorities of our university and faculty; Education, Research and Social Contribution activities. As an institution, it is necessary to have a strong budget to train qualified researcher manpower suitable for the needs of society and economy, to produce technology and scientific publications, to carry out an internationally competitive, employment and career-oriented education. Because veterinary education is one of the most expensive education both in our country and the world. ATAU is one of the universities in our country with the strongest financial budget. FVMATAU receives its share from this budget sufficiently. To maintain the education, research, and routine services of the VTH, the faculty budget meets our needs. The Dean has sufficient autonomy in spending the annual budget revenues of FVMATAU, which appears to be in good standing. Priorities in expenditures are determined by the Dean's Office and the Dean decides how they will be spent.

It is seen that the revenues of the faculty revolving fund management budget also meet the needs. However, in the future, new sources should be sought in terms of continuity in budget revenues. Therefore, the Dean's Office, the Rectorate, and non-university are making great efforts to increase their financial resources. Faculty management has established good relations with funding from non-university institutions. Significant revenues were recorded in the revolving fund account from the funds provided within the scope of projects carried out jointly with non-university institutions. When our financial statement is evaluated, there is no weakness.

Suggestions for improvement on Standard 2

The continuity of the budget revenues obtained from ATAU Rectorate and non-university funds should be targeted. The income, productivity, and prestige of the faculty should be increased with the biotechnological researches to be done and the services to be provided

To increase the revolving fund revenues, efforts should be made to increase the quality and quantity of VTH emergency, polyclinic and treatment services, and consultancy services. Again, cooperation with the public and private sectors should be developed and increased to increase the revolving fund revenues. In particular, projects should be prepared and income should be provided for resource inflows from EU funds. With these budget revenues to be created, the education and research infrastructure of FVMATAU should be supported and better conditions should be provided to students and researchers. In particular, the existence of strong budget revenues is important so that students can have sports, artistic and cultural activities, nutrition and shelter services, and a mentally and physically healthy education environment during their education period.

Atatürk University

Faculty of Veterinary Medicine

Standard 3.

Curriculum

3. Curriculum

3.1. Description of the educational aims and strategy and detailed curriculum by the year

FVMATAU determined the program qualifications (http://www.tyyc.yok.gov.tr/) in line with the (TYYÇ), which was prepared regarding the European Higher Education Area Qualifications Framework. TYYÇ and Veterinary Faculties were evaluated under the title of "Veterinary Basic Field".

FVMATAU has updated the curriculum according to the developing infrastructure, technology, and educational conditions. There are three active curricula that were became valid after accepted by the Faculty Board and approved by ATAU Senate in 2012, 2017, and 2020. After the last national accreditation audit (VEDEK), there was a need for updating the curriculum and so FVMATAU curriculum was renewed in 2020 according to the EC Directive 2005/36. This report has been prepared generally the information according to 2020 curriculum. In this curriculum, the necessary criteria for the purpose of veterinary medicine education have been established. Thus, it is aimed to train veterinarians who can solve veterinary problems in the light of modern education and knowledge, have the ability to conduct research, have cultural background and communication skills, and diagnose and treat animal diseases. In addition, the efforts are made to train physicians who can ensure that animals are raised and fed under appropriate conditions, can control the food of animal origin, protect public health, follow scientific developments and technology, comply with professional ethical rules, have environmental awareness, attach importance to lifelong learning and always renew themselves, respect the society, are forward-thinking. The learning outcomes of the education at FVMATAU, which can be accessed from the ATAU Course Information Package System, were determined according to these criteria.

The education of its students at FVMATAU consists of 5 years of full-time theoretical, practical and clinical training. In the FVMATAU curriculum, courses in basic preclinical sciences, zootechnics and animal nutrition are taught in the first 3 years, clinical sciences, animal production, food hygiene and technology, public health and food safety and quality are taught in the last 2 years.

The training strategy of FVMATAU can be summarized as follows:

- Veterinary basic medical sciences education is given in the first 4 semesters of the curriculum. Students gain knowledge in basic sciences by taking theoretical and practical training in Anatomy, Physiology, Biochemistry and Histology-Embryology courses. Thanks to the laboratory courses, they have the knowledge of laboratory work discipline and biosafety as well as theoretical knowledge.

- In the 3rd and 4th semesters, Zootechnics and Animal Nutrition courses are taught and at the end of these semesters, the student gains knowledge in the field of animal breeding and nutrition.

- In the 4th, 5th and 6th semesters, preclinical courses such as Pathology, Microbiology, Virology, Parasitology, Pharmacology and Toxicology are taught. During these semesters, courses such as Animal Welfare, Animal Breeding, Beekeeping and Diseases, Aquaculture

and Diseases, Epidemiology and Poultry Diseases are given.

- The two-year education period covering the 7th-10th semesters is the period in which theoretical and practical knowledge, skills and competencies are acquired in the clinical field. During this two-year education period, students receive theoretical and practical clinical training from the departments of Reproduction and Artificial Insemination, Obstetrics and Gynaecology, Internal Medicine and Surgery. In addition, during this two-year period, students take courses from the Department of Food Hygiene and Technology. In the courses they take from this department, students receive practical training in slaughterhouses and food processing facilities, accompany antemortem and postmortem examinations in slaughterhouses, and learn hygiene and sanitation methods and production processes in food processing facilities. Between the 8th semester and the 9th semester, the compulsory internship is done for 25 working days (200 hours) during the summer period.

- In the 6th-10th semesters, students do clinical practice in rotations. During this period, they receive hands-on training at VTH of FVMATAU, Atatürk University GHUAM farms, Erzurum Metropolitan Municipality Animal Nursing Home and Rehabilitation Center, and in the field with Ambulatory Clinical Service Vehicle.

- In the first semester of the current curriculum, they take the elective course named University Elective Course I and gain knowledge in the field they are interested in.

- English education is given in the 1st and 2nd semesters (every 2 hours) in order to increase the self-confidence of our graduates in international platforms and to allow our graduates to read books and literature in a foreign language.

The supreme board of universities in Turkey is YÖK. Administrative and academic activities in universities are carried out according to the Higher Education Law No. 2547. At FVMATAU, the standards specified in the legislation related to education (YÖK, EU/2005/36 EC directives) are complied with. Although there is no common curriculum in Veterinary Faculties in Turkey, most of them are similar. FVMATAU is authorized to prepare the curriculum within the framework of the current legislation. If it is determined that there is a need for a change in the curriculum or the preparation of a new curriculum, the Dean's Office asks the Faculty Education Commission or the curriculum study commission to do the necessary work. After the arrangements made by the Commission are evaluated by the Faculty Board, they are submitted to ATAU Senate for examination and approval. The curriculum accepted by the University Senate enters into force. In Turkey, there are common compulsory courses in university programs, including Atatürk's Principles and History of Revolution, Turkish Language, Foreign Language (English) and Occupational Health and Safety, apart from vocational courses. These courses are taught in the first and second semesters of the curriculum.

The updates and changes required to be made in the curriculum are carried out by the Dean's Office within the framework of the above-mentioned processes. Information on the faculty curriculum is available on the faculty web page (https://atauni.edu.tr/tr/veteriner-fakultesi). The contents of the courses in the curriculum can be accessed from the course information package section of the website of our University (https://obs.atauni.edu.tr/ moduller/dbp/eobs/icerik/homepage). The overlaps and consistency in the lesson plans are reviewed annually by the Education and Training Commission. In addition, according to the results of the student evaluation surveys, updates are made in the courses.

Table 3.1.1. Curriculum hours in each academic year taken by each student

Academic years	A	B	C	D	E	F	G	H
Semester 1	294	-	10	84	-	-	28	416
Semester 2	280	-	16	168	-	-	-	464
Semester 3	280	-	8	154	-	-	-	442
Semester 4	308	-	9	168	-	-	-	485
Semester 5	252	-	16	196	-	-	-	464
Semester 6	280	-	13	98	8	54	-	453
Semester 7	252	-	-	68	32	96	-	448
Semester 8	280	-	-	-	24	60	-	364
Semester 9	238	-	-	104	32	80	-	454
Semester 10	-	5	-	48	88	424	-	565

A: lectures; B: seminars; C: supervised self-learning; D: laboratory and deskbased work, E: non-clinical animal work; F: clinical animal work; G: others (specify); H: total

Table 3.1.2. Curriculum hours taken by each student

Subjects	A	B	C	D	E	F	G	H
Basic subjects								
Medical physics	28	-	-	-	-	-	-	28
Medical chemistry	28	-	-	-	-	-	-	28
Biostatistics	28	-	-	-	-	-	-	28
Medical biology	28	-	-	-	-	-	-	28
Basic Sciences								
Anatomy I	42	-	5	56	-	-	-	103
Anatomy II	42	-	6	84	-	-	-	132
Histology I	28	-	5	28	-	-	-	61
Histology II	28	-	5	28	-	-	-	61
Embryology	28	-	-	-	-	-	-	28
Physiology I	42	-	3	28	-	-	-	73
Physiology II	42	-	3	28	-	-	-	73
Biochemistry I	42	-	5	28	-	-	-	75
Biochemistry II	42	-	5	28	-	-	-	75
Molecular biology and genetics	28	-	-	28	-	-	-	56
Pharmacology I	42	-	-	28	-	-	-	70
Pharmacology II	42	-	-	28	-	-	-	70
Toxicology	28	-	-	-	-	-	-	28
Basic pathology	42	-	-	28	-	-	-	70
Systemic pathology I	42	-	5	28	-	-	-	75
Systemic pathology II	42	-	5	28	-	-	-	75
Basic parasitology	28	-	-	28	-	-	-	56
Helmintology	28	-	2	28	-	-	-	58
Protozoology	28	-	2	28	-	-	-	58
Arthropodology	28	-	-	28	-	-	-	56

Basic microbiology	28	-	-	28	-	-	-	56
Bacteriology	42	-	4	28	-	-	-	74
Poultry disease	42	-	-	14	-	-	-	56
Basic virology	28	-	-	28	-	-	-	56
Systematic virology	28	-	3	28	-	-	-	59
Breeding and Diseases of Seafood	28	-	-	14	-	-	-	42
Breeding and Diseases of Bees	28	-	-	14	-	-	-	42
Immunology	28	-	-	-	-	-	-	28
Epidemiology	14	-	-	-	-	-	-	14
Professional communication	14	-	-	-	-	-	-	14
Veterinary history and deontology	28	-	-	-	-	-	-	28
Legislation of veterinary medicine	14	-	-	-	-	-	-	14
Ethology (animal behaviors)	14	-	-	-	-	-	-	14
Animal welfare	14	5	3	-	-	-	-	14
Feed hygiene	28	-	-	-	-	-	-	56
Animal nutrition and nutritional diseases	56	-	6	-	-	-	-	90
Clinical Sciences								
Introduction to the clinic	42	-	8	-	8	54	-	112
Obstetric and gyneacology I	42	-	-	-	-	-	-	42
Obstetric and gyneacology II	42	-	-	-	-	-	-	42
Obstetric and gyneacology III	28	-	-	-	-	-	-	28
Reproduction and artificial insemination	28	-	-	-	-	-	-	28
Diagnostic pathology (Necropsy)	14	-	-	40	16	-	-	70
Basic surgery	28	-	-	-	-	-	-	28
Small animal surgery	42	-	-	-	-	-	-	42
Ruminant surgery	42	-	-	-	-	-	-	42
Traumatology and orthopedic surgery	28	-	-	-	-	-	-	28
Anaesthesiology-reanimation	28	-	-	-	-	-	-	28
Ruminant internal medicine	56	-	-	-	-	-	-	56
Small animal internal medicine	56	-	-	-	-	-	-	56
Equine internal medicine	28	-	-	-	-	-	-	28
Exotic animal disease	28	-	-	-	-	-	-	28
Emergency medicine	28	-	-	-	-	-	-	28
Preventive medicine	28	-	-	-	-	-	-	28
Animal Production								
Herd health management and economic	28	-	-	-	-	-	-	28
Zootechnics I (Husbandary of Laboratory Animals)	14	-	14	-	-	-	-	28
Zootechnics II (Small animal breeding)	28	-	14	-	-	-	-	42
Zootechnics III (Ruminant breeding)	28	-	14	-	-	-	-	42
Zootechnics IV (Poultry breeding and hatchery)	28	-	14	-	-	-	-	42
Zootechnics V (Equine, pet and pig breeding)	28	-	14	-	-	-	-	42
Food Safety and Quality, Veterinary PublicHealth and One Health Concept								
Food hygiene and technology	28	-	-	28	-	-	-	56
Veterinary public health	28	-	-	-	-	-	-	28
Food legislation	14	-	-	-	-	-	-	14
Meat hygiene examination	28	-	-	28	-	-	-	56
Meat products and technology	28	-	-	28	-	-	-	56
Milk hygiene and technology	28	-	-	28	-	-	-	56
Professional Knowledge (10th sem. Internship)								
Herd management and economics	-	-	-	-	24	-	-	

Animal nutrition and nutritional disease	-	-	-	-	16	-	-	
Food and public health	-	-	-	-	48	-	-	
Diagnostic clinical laboratory	-	-	-	48	-	-	-	
Internal medicine	-	-	-	-	-	112	-	
Surgery	-	-	-	-	-	112	-	
Obstetrics and gyneacology	-	-	-	-	-	112	-	
Reproduction and artificial insemination	-	-		-	-	72	-	
Ambulatory clinical service	-			-	-	16	-	

A: lectures; B: seminars; C: supervised self learning; D: laboratory and deskbased work, E: non-clinical animal work; F: clinical animal work; G: others (specify); H: total

Table 3.1.3. Practical rotations under academic staff supervision (excluding EPT)

Types	List of practical rotations (Disciplines/Species)	Duration (weeks)	Year of programme
Intra-mural clinics (VTH)	Practice in VTH	56 weeks	IV/first and second semesters V/first and second semesters
Ambulatory clinics Herd Health Management	Ambulatory clinics of farm animals	2 weeks	V/second semester
FSQ & VPH	Food hygiene and technology	14 weeks	
	Meat inspection	14 weeks	IV/first semesters
	Meat product and technology	14 weeks	V/first second semesters
	Milk hygiene and technology	14 weeks	
	Internship	6 weeks	
Electives	-	-	-
Other (specify)	-	-	-

Table 3.1.4. Curriculum hours taken as electives for each student

Electives	A	B	C	D	E	F	G	H
Basic subjects	-	-	-	-	-	-	28	28

A: lectures; B: seminars; C: supervised self learning; D: laboratory and deskbased work, E: non-clinical animal work; F: clinical animal work; G: others (specify); H: hours to be taken by each student per subject group

The curriculum is prepared in such a way that students gradually acquire professional knowledge and skills. Before clinical rotation, students learn about basic and preclinical courses and animal husbandry and nutrition. They also learn about biosecurity measures, sterilization and disinfection, and taking samples for examination. The education students receive on a yearly basis before starting the clinical rotation are summarized below:

In the first year, besides ruminant, carnivorous, equide, poultry and pig anatomy, biochemistry and histology-embryology courses, students receive basic courses such as medical biology, medical chemistry and medical physics, and occupational health and safety.

In the 2nd year, students who complete the biochemistry and physiology education will have information about the basic physiological functions in the animal organism. Students receive training in haematology and clinical biochemistry. Examinations such as blood pressure measurement, pulse, heart sounds and lung sounds are taught. In this period, animal husbandry and nutrition education is given, as well as animal welfare, animal breeding, epidemiology and immunology. Students gain basic knowledge in these areas by entering preclinical courses such as pathology, parasitology, microbiology and virology.

In the 3rd year, students receive training in pharmacology. By completing their pathology, parasitology, microbiology and virology training this year, they will have information about viral, microbial and parasitic diseases, which are very important for the clinic, and pathological diagnosis methods and sending morbid substances to laboratories. With the introduction to the clinic, they learn the techniques of restraint and general clinical examination in animals. In the clinical skills laboratory (KBL), they receive training on blood collection, injection, suture application, gynaecological examinations and reproductive examinations on models and training materials. They graduate by completing their graduation thesis with clinical rotation and maturation training in the 4-5th year of the curriculum.

In the 4th and 5th years of the curriculum, students who complete the basic and preclinical courses take theoretical and practical courses from the departments of internal medicine, obstetrics and gynaecology, surgery, reproduction and artificial insemination. In addition, they take basic clinical courses such as preventive and emergency medicine. They also learn how to make necropsy and take samples from necropsy materials in different animal species (horse, cattle, sheep, goat, dog, cat, poultry, etc.) for pathological examination and diagnosis of diseases.

In the 4th year, students gain the following knowledge and skills within the scope of the courses given by the Obstetrics and Gynaecology, Reproduction and Artificial Insemination, Surgery and Internal Medicine departments:

- They will have information about the aetiology, pathogenesis, clinical findings, diagnosis, prognosis and treatments of asepsis antisepsis, injection, incision, suture techniques, soft tissue surgery, neurological examinations, wound treatment and surgery-related diseases that are common in pets. They also learn anaesthesia and reanimation protocols in pets. They have knowledge and skills about the application and interpretation of ultrasonography and radiography for diagnostic imaging.

- They have information about the diagnosis and treatment of contagious and metabolic diseases of pets as well as the methods of protection from diseases. They take the diseases as a whole and gain the ability to interpret them. They also learn about diseases of exotic animals.

- They learn about the examination of female reproductive organs, puberty, sexual cycles, reproduction, pregnancy diagnosis, udder health, childbirth, infertility and gynaecological operations in domestic animals.

- They have knowledge and skills about the andrological examination in pets, artificial insemination, semen examination and infertility in male animals.

Students, in groups of 8-10 students, rotated within the scope of the Clinical (I, II, III) course they took in the 7th, 8th and 9th semesters in Obstetrics and Gynaecology, Reproduction and

Artificial Insemination, Surgery and Internal Medicine departments for 14 weeks (8 hours/ weeks) receive practical training. For this purpose, they gain the following skills in the relevant departments;

- Approach to animal owners and taking anamnesis
- Application of basic and advanced examination methods learned in theoretical courses
- Evaluation of clinical findings and analysis results for accurate clinical diagnosis
- Selection of treatment methods
- Planning and preparation of surgical operations
- What to do in the reanimation and postoperative period
- Andrological examination in male animals
- Collecting and examining semen from male animals
- Catheter application on models, slaughterhouse materials and live animals

In the 5th year, they gain the following knowledge and skills within the scope of the courses given by the Obstetrics and Gynaecology, Surgery and Internal Medicine departments:

- They gain knowledge about the approaches to infectious and non-infectious surgical diseases and treatment methods of head, neck, thorax, abdomen, rump and tail, male genital organs, urinary system, soft and bone tissue of anterior and posterior extremities of horses, cattle, sheep, goats and pigs.
- They gain information about respiratory and nervous system diseases of equidae and plan appropriate treatment protocols by learning the clinical and laboratory findings of the diseases and their diagnosis and differential diagnosis.
- They gain knowledge and skills about pathological phenomena in the female reproductive system and interventions to these cases.

In the 5th year, students keep a night watch in the VTH emergency room. There are 3 students, a veterinarian and a technician in each shift. Each student keeps at least 2 shifts in a semester.

Applied training in Meat Hygiene and Meat Products Technology courses are given in the modern slaughterhouse and meat products processing unit of Erzurum Meat and Milk Institution. In addition, a visit is made to the Meat and Dairy Institution Erzincan Chicken Combine for students to see the broiler slaughtering line and broiler cutting process. Faculty members accompany the students during these visits and provide training in groups of 10-12 people. During these visits, theoretical and practical training is given on pre-mortem and post-mortem examinations of cattle, sheep, goat and chicken species. In addition, students gain the following experiences with these trainings:

- Observing the symptoms of notifiable and/or zoonotic diseases and taking appropriate measures
- Observing and assessing the welfare levels of animals before and during slaughter
- Identifying conditions that affect the quality and safety of foods of animal origin.
- To learn how to perform ante/postmortem examination

The practical training of the milk hygiene and technology course is carried out in the Laboratory of the Food Hygiene and Technology Department. In addition, students actively participate in some dairy technology applications (making yoghurt and different types of cheese) at the Dairy Processing Facility within the GHUAM campus, located on the ATAU campus.

During the practical training of food hygiene courses, students are informed about national legislation on food production and hygiene. The practical training of the food hygiene and control course is carried out in the Laboratory of the Department of Food Hygiene and Technology, where some chemical and microbiological food analyses of the students are included.

There is one compulsory elective course (University Elective Course I) of 3 European Credit Transfer System (ECTS) in the first semester in the curriculum that came into effect in 2020 at FVMATAU. The student can choose any course from the elective courses in the university pool at the beginning of the semester via Student Information System (ÖBS). The student can get help from the advisor and the vice dean responsible for education while choosing the elective courses.

All students record their practices in basic and preclinical courses in the practice notebook prepared by the dean. In these notebooks, the applications of the related course are included week by week. The applications made in each course are approved by the lecturer of the course and these notebooks are archived by the relevant lecturer at the end of the semester. Make-ups for incomplete applications can be completed by the student on the date and time determined by the instructor.

A logbook is available for applications made in KBL. The applications made are written in this notebook and the notebook is signed by the students one by one. In clinical and ambulatory clinical service applications, student attendance is mandatory and student attendance is recorded.

Before External Practical Training (EPT), students are given an EPT record book prepared by the dean's office. Students record their EPTs in this daily notebook and have them approved by the EPT officer. These books are evaluated by the relevant commission at FVMATAU at the end of the EPT.

In the 10th semester, students receive maturation training. Applications made during this training period are recorded in the notebooks prepared by the dean's office and approved by the faculty member who made the application. At the end of the maturation education, students deliver their notebooks to the student affairs office.

3.2. Description of the curriculum and objective agreements

FVMATAU education and training program, designed according to TYYÇ and EU 2005/36 directives, is designed as follows in order to achieve the targeted program outputs:

It provides the acquisition of the historical development, mission, and vision of the veterinary profession. It provides information about human, animal, and animal owner rights in line with the information given about the Veterinary Medicine Legislation.

Thanks to the knowledge gained about ethical principles and animal welfare, it ensures that ethical and animal welfare violations are prevented. In addition to the basic science courses in the curriculum, it provides the ability to prepare and implement animal breeding and feeding principles and appropriate care-feeding protocols/programs.

It allows applications in the field of animal production, farm management, breeding, and breeding studies in line with theoretical and practical knowledge. It provides preclinical and clinical courses, diagnosis of contagious and non-contagious animal diseases, planning and implementation of treatment protocols. It provides the necessary technological and theoretical information to reach the animal food and products from the farm to the table in a healthy and safe way. It provides the necessary information to identify and solve possible problems in veterinary public health, preventive medicine, and environmental health. Provides theoretical knowledge about occupational safety concepts in workplaces.

Classrooms, practice laboratories, KBL, the VTH, and other areas in FVMATAU are designed to provide quality education. In addition, student living spaces and computer lab services are provided for students to use whenever they want.

Students can connect to the internet via Wi-Fi, which can be accessed at every point of the faculty building and can easily access electronic learning resources. Electronic resources can also be accessed off-campus using appropriate programs.

The ambulatory clinical service, horse, sheep, and cattle farms affiliated with GHUAM, and the Milk Processing Facility provide students with more opportunities to practice.

Students can access physical and digital resources in ATAU central library (ATAUCL).

At FVMATAU, students are encouraged to engage in self-learning. Students can do self-learning whenever they want. The student performs self-learning by using the educational materials provided by the institution with the knowledge and skills related to the application they need. They follow the information about the application with e-learning from the computer in the laboratory of the department.

Education at FVMATAU is implemented by taking into account the quality assurance systems. Students learn how to access information as well as the basic knowledge and skills they have gained during their education. In this way, they learn and apply the knowledge and skills they will need in their professional life.

3.3. Learning outcomes of the programme and competence agreements

In order to achieve the learning outcomes in FVMATAU, the theory, and applications of the courses are carried out within a discipline. Through educational objectives, it is aimed to provide students with the basic knowledge and skills, practical training, and special skills necessary for them to have the desired qualifications in the professional field. The aims and strategies of education are given below in order to achieve the learning outcomes successfully in FVMATAU.

- To increase the quality of education, contributing to society, and increasing social contribution over time
- To use the existing infrastructure and equipment most efficiently and to eliminate the deficiencies in the equipment to increase the research quality and efficiency.
- To provide education and awareness of animal owners
- To fight zoonotic diseases and providing training on this subject
- To develop academic and administrative staff in terms of quality and quantity
- To expand the range of services and products by increasing cooperation projects with the private sector.
- To provide Veterinary Medicine training with an innovative approach with national and international competence
- To train entrepreneurial veterinarians who use effective communication skills, make and implement the right decisions, and adopt lifelong learning and teaching as a principle.
- To create contemporary education and research strategies
- To produce solutions to the problems of regional and country animal husbandry
- To work towards increasing the production of animal food

Students complete the courses in the curriculum during the education process and acquire the necessary knowledge and skills to practice the profession of veterinary medicine. The learning outcomes of the courses in the curriculum are prepared by the lecturer of the course. ESEVT of faculty attention to learning outcomes to be compatible with the first day of qualifications would. The list of courses that are compatible with ESEVT first-day qualifications and learning outcomes is given in appendix 4.

While the learning outcomes of the courses are determined by the lecturer, it is taken into account that they are compatible with the ESEVT first-day qualifications. The learning outcomes of the courses are entered and recorded in the course information package section of the ÖBS. Students, staff, and stakeholders can access the learning outcomes of each course in the curriculum through the course information package. It is desirable that the learning outcomes

and the questions asked in the course evaluation are related.

One of the most important steps in revising the learning outcomes of the course is student assessment. If one or more of the learning outcomes of the course have not been evaluated in the assessment, either updating the learning outcomes of the course or making an assessment related to the learning outcomes is requested. In this way, the necessary revision process related to the learning outcomes is done by the lecturer who teaches the course.

3.4. Regular evaluation of the programme and re-planning

The processes of updating the curriculum and making necessary changes in section 3.1. also explained. Curriculum revisions can be made with suggestions from departments, students and stakeholders, national and international dynamics (e.g., 2005/36/EC). The Dean is responsible for implementing the curriculum. FVMATAU Academic Board meets once per semester. All academic staff must attend this meeting. In addition to other academic issues, the curriculum used is discussed and areas for improvement are identified.

3.5. Description of the EPT in the programme

There is a compulsory EPT called "Internship" with 5 ECTS in the 8th semester of the curriculum, which is held during the summer period between the 8th and 9th years at FVMATAU. This EPT is done according to FVMATAU's Internship Directive. This Directive covers the procedures and principles related to internship applications in the FVMATAU curriculum. Students who do not successfully complete their internship cannot graduate.

Internships are accepted by the internship commission, in the animal husbandry-related institutions and organizations within the Ministry of Agriculture and Forestry, where at least one veterinarian is employed, in the occupational units of the Ministry of Health, the Ministry of Environment and Urbanization, in institutions and organizations such as TÜBİTAK and affiliated units, private animal hospitals and vocational institutions. It can be done in independent veterinary clinics with at least five years of experience and adequately equipped, animal shelters and slaughterhouses, integrated meat and dairy enterprises, pharmaceutical and feed industry enterprises, and professionally accredited laboratories.

The internship period is at least 25 working days, and the student performs EPT for at least 200 hours during the internship. During the EPT, student's health insurance fees are covered by ATAU. Students are obliged to record the EPTs they have done during the internship in the internship notebooks given to them by FVMATAU. Internship notebooks are evaluated, approved, and delivered to the student in a closed envelope by the authorized person of the institution where the internship is held. Students submit their internship notebook in a closed envelope to the faculty-student affairs office. The evaluation of the internship is made by the Faculty Internship Commission over the internship notebooks.

Table 3.5.1. Curriculum days of External Practical Training (EPT) for each student

Fields of Practice	Minimum duration (weeks)	Year of programme
Production animals (pre-clinical)	25 work days (5 weeks - 200 hours)	End of the 4th year
Companion animals (pre-clinical)		
Production animals (clinical)		
Companion animals (clinical)		
FSQ & VPH		
Others (specify)		

3.6. Agreement with the EPT providers and students

Internship by students at FVMATAU is an EPT. The institutions/organizations and workplaces where EPT will be held are determined by the Faculty Internship Commission as stated in the internship directive.

After the EPT determines the internship place, the student creates a compulsory internship form over the ÖBS and saves the internship information on this form. The student takes the printout of the internship form and submits it to the faculty-student affairs office after it is approved by the internship place officer. The EPT officer can contact the institution by official correspondence and telephone when necessary. The faculty internship commission evaluates the EPT applications made within a certain calendar and accepts or rejects them through the ÖBS.

At the end of the EPT held for 25 working days, the EPT officer states his opinion about the student's EPT in the internship book and delivers it to the student in a sealed envelope. Internship notebooks are evaluated by the internship commission and their EPTs are accepted or it is decided to do EPT again.
The Faculty Internship Commission is responsible for the supervision of EPT activity at FVMATAU. The Internship Commission is below:

Assoc. Prof. Emin ŞENGÜL – (Chairman)
Prof. Dr. Mehmet Akif YÖRÜK
Assoc. Prof. Başak HANEDAN
Assoc. Prof. Fatih YILDIRIM
Res. Assist. Cihan ÖZ
Res. Assist. Mehmet Ali YÖRÜK

3.7. Responsibility of the EPT and monitoring the implementation, progress and feedback of EPT activities

Internship places are chosen among private or public institutions or organizations, where at least one non-academic veterinarian works, determined by the Faculty Internship Commission, where minimum professional qualifications can be gained. Apart from the internship places determined by the Faculty Internship Commission, the internship places requested by the students are evaluated by the commission. Students submit the Compulsory Internship Form, which contains information about the workplace they want to do an internship and approved by the institution/organization

official, to the Faculty Student Affairs Office for evaluation at least 30 days before the internship start date. Applications approved by the faculty internship commission are sent to the Department of Health, Culture, and Sports by the Dean's Office. Students can also do their internship abroad in a way that does not disrupt the normal curriculum. In this case, applications are made according to the relevant articles of ATAU Internship Application Principles.

During the internship process, the students hand over the internship notebooks they received from the Faculty Student Affairs Office to the representative of the workplace where they will do their internship. Every day, students record the transactions/applications they have made in their internship notebooks in handwriting and have them approved by the responsible person. At the end of the internship, the internship book, which is filled in and approved by the workplace officer in secret, is received by the student in a closed envelope and delivered to the student affairs office.

The evaluation of the internship book is made by the faculty internship commission over the internship books. If deemed necessary, the student may also be called for an interview. The results of the evaluation are reported to the Dean's Office within 30 days at the latest following the delivery date of the internship book. The faculty internship commission makes its evaluation over 100 full points and converts it into letter grades according to the table given in ATAU Internship Practice Principles. Students whose internship is rejected, who are unsuccessful in the internship, or students whose internship is requested to be compensated by the Faculty Internship Commission have to do the internship again. The relevant unit informs the Department of Health, Culture, and Sports that the student will repeat his/her excuse and internship.

Students can object to the internship evaluation result within 5 business days from the announcement of the result. Objections made within 15 days from the announcement of the evaluation results are evaluated and finalized. Objections are processed in accordance with the provisions of "ATAU Associate Degree and Undergraduate Education and Examination Regulations".

Comments on Standard 3

A curriculum prepared in line with the education standards required by YÖK, VEDEK, and EAEVE is applied at FVMATAU. Except for the elective courses, the number and content of the courses in the curriculum are sufficient. Students can graduate with a good theoretical and practical education. FVMATAU has a good infrastructure for theoretical and practical training. The implementation of quality assurance systems at FVMATAU has significantly improved the quality of the teaching process. It is thought that students who succeed in the courses in the curriculum provide the necessary competencies for Veterinary Medicine. Students are actively involved in decision-making at the faculty level, having freely elected representatives on the faculty council and in the quality assessment process.

Suggestions for improvement on Standard 3

In addition to the theoretical and practical courses in education, the rate of seminars and homework activities should be increased, and the student should be directed to research and his presentation skills should be improved. In the curriculum, where the number of elective courses is insufficient, especially vocational elective courses should be added to increase the preference of students to take vocational courses other than compulsory courses.
Instead of doing the EPT activity in a single semester, arrangements should be made so that it can be done in different periods of the curriculum and in different sectors in addition to the places specified in section 3.5. Students should be provided with psychological counselling services. Agreements should be made with private clinics, slaughterhouses, and farms so that students can do EPT for longer periods and in different areas.

Standard 4.

Facilities and equipment

4. Facilities and equipment

4.1. Aspects of the physical facilities in the Establishment

Yakutiye Campus of the university, which was established on an area of 37 million m² allocated for the use of ATAU in 1957, has an open area of 6.5 million m², a closed area of 1 million m² and is the 6th university established in Turkey. The university campus is located in the city centre. It is located on the university land covering a large part of the Erzurum plain and has the distinction of being the second-largest campus in Turkey. The Faculty of Medicine Training and Research Hospital and the Faculty of Dentistry Hospital located on the campus serve Erzurum and surrounding cities. Very easy transportation service is offered to the campus by public vehicles. Among the faculties within the university; Open Education, Medicine, Dentistry, Pharmacy, Veterinary Medicine, Nursing, Health Sciences, Literature, Science, Fine Arts, Law, Economics and Administrative Sciences, Theology, Communication, Architecture and Design, Engineering, Sports Sciences, Fisheries, Tourism, Applied Sciences and Agriculture Faculties, Conservatory, Health Services, Social Sciences, Technical Sciences Vocational Schools are also located on the same campus. As of 01.04.2016, FVMATAU moved to its new building and its physical structure was restructured. Established on an open area of 30.000 m², the faculty has a closed area of 22.000 m² (There is a VTH on 3.200 m² of the indoor area and other units of the faculty on 18.800 m². The main building is a 4-story building consisting of A, B, C, D, E, F, G, H, and I block) (Figure 4.1.2).

A Block: 420 m² x 4 floors
Ground Floor: Department of Food Hygiene and Technology, Department of Veterinary Public Health
A Block 1st Floor: Biometrics Department**,** Animal Health Economics and Management Department**,** Zootechnics Department.
A Block, 2nd Floor: Department of Anatomy
A Block, 3rd Floor: Department of Animal Nutrition and Nutritional Diseases.

B Block: 436.24 m² x 4 floors
Ground Floor: Department of Pathology
B Block 1st Floor: Department of Physiology
B Block 2nd Floor: Department of Parasitology
B Block 3rd Floor: Department of Biochemistry

C Block: 445.76 m² x 4 floors
Ground Floor: Department of Histology and Embryology, Department of Pharmacology and Toxicology
C Block 1st Floor: Department of Reproduction and Artificial Insemination, Department of Genetics
C Block 2nd Floor: Department of Virology
C Block 3rd Floor: Department of Microbiology

D Block: 144 m² x 4 floors
Entrance Hall, Stairs, WC.

E Block: 635 m^2 x 4 floors
Basement Floor: Heating centre, Water storage.
Ground Floor: Library, Computer Room, Anatomy Practice Class I, Pathology- Histology Practice Laboratory.
E Block 1st Floor: 2 Classrooms, Physiology Practice Laboratory.
E Block 2nd Floor: 2 Classrooms, Parasitology Practice Laboratory.
E Block 3rd Floor: 2 Classrooms, Biochemistry-Pharmacology Application Laboratory.

F Block: 446 m^2 x 4 floors
Ground Floor: Administrative Units (Student Affairs, Purchasing, Revolving Fund, Stock Treasurer, Trustee, Accrual, Department Secretary, Administrative Affairs Unit, Personnel Unit, Unit Ethics Committee, Archive-Warehouse.
F Block 1st Floor: Department of Obstetrics and Gyneacology.
F Block 2nd Floor: Department of Surgery.
F Block, 3rd Floor: Department of Internal Medicine.

G Block: 435 m^2 x 3 floors
Ground Floor: Pharmacy, sample reception, central laboratory, veterinarian room, cashier, classroom, clinical skill hall, office.
G Block 1st Floor: Dean's Office, Assistant Deans, Private Secretary, Faculty Secretariat, Chief Physician, Meeting Room, Kitchen, Office.
G Block 2nd Floor: Conference hall, office.

H Block: 3.200 m^2
Ground Floor: VTH, Necropsy Unit, Anatomy Practice Class-2.

I Block: 420 m^2
Ground Floor: Emergency and Quarantine building (Appendix 5).

On the east, there are the buildings of the Faculty of Agriculture, the Department of Food Engineering, the buildings of the Erzurum Vocational School Equestrian and Horse Training Department in the west, the GHUAM buildings in the north, and the buildings belonging to the Dean of the Faculty of Communication in the south. Satellite view of the FVMATAU available in Fig. 4.1.2. The main building (management, teaching laboratories, and training units included) is used for about 5 years. The buildings provide services at a level that students and staff can easily benefit from. In the block belonging to the dean's office; There are 1 Dean, 2 Deputy Deans, 1 Chief Physician, 1 Faculty Secretary, 1 hospital director's room, 1 meeting room, and a meeting room with a capacity of 90 people.

In Blocks A, B and C, there are offices, research laboratories of non-clinical departments and various laboratories. A, B, C, D, E, F blocks plus the main administration (Dean's) building (G Block) is 19.703.36 m^2.

Figure 4.1.1. Campus plan of ATAU

(https://www.google.com/maps/place/Atat%C3%BCrk+%C3%9Cniversitesi/@39.901206,41.2382283,1026m/data=!3m1!1e3!4m5!3m4!1s0x0:0x2142f21576de545!8m2!3d39.8994487!4d41.2441549)

Figure 4.1.2. Campus plan of FVMATAU

(https://www.google.com/maps/place/Atat%C3%BCrk+%C3%9Cniversitesi/@39.9040131,41.2337465,290m/data=!3m1!1e3!4m5!3m4!1s0x0:0x2142f21576de545!8m2!3d39.8994487!4d41.2441549)

4.2. Learning and training facilities in the Establishment

In the FVMATAU, there are 7 theoretical classrooms (a total of 7 with a capacity of 93 students) equipped with media equipment and Wi-Fi coverage. There are 51 student practice and research laboratories, 5 of which are located in E Block and 46 of them are in the divisions. In addition, in the H block, the Anatomy Practice Class, the Necropsy Hall and the KBL provide services for the education of the students. The areas of use of the faculty and the devices are summarized in appendix 5. Our library (93 m^2) is located on the ground floor of Block E, for our students to study and do resource research in their spare time. On the ground floor of our faculty, there is a canteen with an area of 480.5 m^2 and used by students. The canteen, where the food and beverage needs of the students are met, is supervised by the Department of Food Hygiene and Technology of our Faculty. In addition to this, the examination rooms and operating rooms of the VTH serving within the faculty also serve student practices. There are a total of 92 computers, 26 projectors and overhead projectors to be used for educational purposes. Application laboratories, classrooms, clinical facilities, living areas, locker rooms, shower rooms and WCs used for the education of the students serve with the appropriate size and number of adequate equipment according to the number of students.

On the ground floor of Block E, there is a library for students to study and a computer room with a capacity of 32 students. There are 2 living areas where students can evaluate their group work.

In addition to 5 student laboratories for practical training of students, 46 research laboratories in the departments are used in clinical practice courses. In FVMATAU, Anatomy II Practice Class, Necropsy Hall, and Clinical Skills Laboratories are also provided for students to get practical.

FVMATAU uses the Rectorate GHUAM unit for training services for food production. Food Hygiene and Technology department laboratories are equipped with the necessary tools for controlling and evaluating the quality and safety of food products and testing the microbiological/chemical properties of the food processing environment. A system identification (i.e. Vitek, work surfaces equipment, water, and air) device is available for automated microbial analysis. In addition, students receive hands-on training in the food industries and reference official laboratories and catering facilities, food markets, slaughterhouses, and other units of the university in Erzurum. For this purpose, Equine Unit affiliated to our university's GHUAM and Erzurum Vocational School Equestrian Program, Erzurum Metropolitan Municipality Animal Hospice and Rehabilitation Center, Meat and Milk Institution Erzurum Meat Combination, Meat and Milk Institution Erzincan Chicken Combine, integrated meat facilities belonging to private entrepreneurs, dairy cattle enterprises and feed factories are non-university organizations where applied training can be done.

Ambulatory clinical service, which operates under ATAU, Faculty of Veterinary Medicine VTH is used in field applications for student education in accordance with the VTH providing both resident and mobile education and health services in the field of animal health.

On the ground floor of Block E, mentioned above, there is a library for students to study. It is designed in a way that students can work easily. Wi-Fi coverage is available.

FVMATAU provides its cafeteria services from the central cafeteria located 150 meters from the faculty. There is a canteen for students.

In the large animal clinic section of the VTH, there is a 40.28 m^2 dressing room and shower for men and women.

FVMATAU has a restroom for on-duty students. In the resting room, there is a 3-person sofa bed and chairs with a variable number.

Students spend their free time in the sports facilities of ATAU, in the complexes where different sports such as football, volleyball, handball, basketball, indoor football, tennis, horse riding, and swimming are practiced.

Shower rooms and WCs used by staff and students at FVMATAU provide service in appropriate size and number (24 male/female WCs, shower/locker rooms) with adequate equipment (including sufficient cleaning products with biosafety warnings).

The infrastructure of the laboratories and offices used by the academicians working in the faculty in their research, serve with sufficient equipment in the number and size suitable for the necessary living standards.

4.3. The livestock facilities, animal housing, core clinical teaching facilities and equipment in the Establishment

VTH constitutes 3.200 m^2 of the indoor area of FVMATAU. VTH has 6 Small Animal Hospitalization Rooms (There are 3 cages of 74x53.5 cm in size and 2 cages of 113x80 cm in Pet animal rooms), 1 Hospitalization Unit with 8 rooms in total, 2 of which are Large Animal Hospitalization Rooms. The follow-up and order of this unit are provided by the VTH Chief Physician, and the sanitation and disinfection processes are routinely performed by the cleaning staff under the supervision of the hospital manager. The floor plan and tool equipment information of the VTH is presented in appendix 5.

There is an Emergency and Isolation Unit with a total closed area of 420 m^2. There are 2 examination rooms, 1 ovine quarantine room, and 1 bovine quarantine room in the unit. Most of the clinical activities are carried out in the VTH. The examination rooms, operating rooms, imaging and other units of the VTH. The tool equipment list in these units is given in appendix 5.

Located in Block G, the pharmacy provides services for all medicines, vaccines, various medical and medical supplies needed by clinics.

In the necropsy unit where necropsies of dead animals are made; (Field information is given in appendix 5) there is 1 necropsy room, 1 pathology museum, 1 tissue follow-up room, 1 cold storage, 1 dressing room, WC, and showers. In the necropsy hall, there is 1 tribune where 17 students follow the necropsy, 2 necropsy tables, 1 fume cupboard, 1 autoclave, washing cabin, eye shower, and cabinets for necropsy equipment set. There are 2 separate entrances and exits for academic staff and student entrance and cadaver entrance. As the equipment in the tissue follow-up room; tissue tracking system, paraffin block preparation system.

The anamnesis information of the animal to be necropsied is learned from the animal owner by the teaching staff and recorded for the report to be prepared. During the necropsy, the necessary tissues and organs are examined and the sample acceptance related to the diagnosis is instructed.

Samples are taken for diagnosis by notifying the relevant departments of sample acceptance. At the end of the necropsy, the pathological wastes are transferred to the cadaver bag and taken to cold storage. Medical wastes are placed in certain medical waste bins and processed in accordance with the medical waste directive presented in Appendix 6.

Haematological, biochemical, and hormone analyzes are performed in the Central Laboratory. As equipment; autoanalyzer, centrifuge, hormone analyzer, hemogram, air conditioner, microscope, and refrigerator are available. Microbiology, virology, pathology, parasitology and biochemistry, and food hygiene-technology laboratories are licensed by the Ministry of Agriculture and Forestry and provide diagnostic services.

There is an Embryo Processing Laboratory equipped for artificial insemination and embryo transfer in farm animals. Reproduction and artificial Insemination Department is equipped with imaging systems (microscope, magnifying glass), computerized sperm analyzer, incubators, nitrogen tanks, and basic molecular biology equipment. Embryos collected from donor cows in the embryo processing laboratory are transferred to recipient cows after they are evaluated.

4.4. Core clinical teaching facilities in the Establishment

The VTH has an emergency service that provides service 24 hours a day, 7 days a week. Veterinarians, technical personnel, support personnel work in the emergency department, and students participate in the studies. Adequate security personnel is on duty 24/7. On-call services in the hospital are carried out and controlled by the hospital chief physician. All services such as general consultations, special consultations, emergencies, and intensive care, etc., are followed in the hospital through the application are processed in the patient registration system (EVET). EVET system is accessible in every area where ATAU has an internet connection.

There is an ambulatory clinical service and personnel transportation service operating within the VTH. Faculty members and research assistants assigned by the Dean's Office and students participate in the studies for educational purposes. Field visits are made within the framework of the protocols signed with the Provincial Directorate of the Ministry of Agriculture, and on-site animal examinations, health screenings, and necessary emergency interventions are carried out. Radiographic, ultrasonographic examination, and simple operative procedures can be performed in the ambulatory clinical service vehicle. If necessary, transfer of patients to the VTH is recommended. There are voluntary participation petitions and attendance lists for student participation in this training. Animal transfer to the VTH is provided by the animal owners, and in this context, no sick animal transportation or ambulatory clinical service is provided.

4.5. Diagnostic and therapeutic facilities in the Establishment

Students can easily access any usage area configured for practical training laboratories and similar training in the faculty whenever they want. Operating rooms, cell culture research laboratories, sterilization are restricted for the use of students within the scope of biosafety rules (a limited number of students are taken in these areas by taking safety precautions in the presence of a lecturer).

4.6. Facilities and managing of isolation against communicable diseases

The isolation and quarantine unit within FVMATAU is used for this purpose. In accordance with the biosafety guide presented in appendix 6, necessary precautions are taken to prevent the care of animals and the spread of infectious agents. In the isolation unit, small and bovine animals are separated as quarantine units.

4.7. Ambulatory clinical services

To ensure that our faculty is a leading and preferred institution at the national and international level; World-class education and training that respects universal values and human rights, has an ethical understanding, responds to social expectations and provides solutions to problems, observes animal welfare and rights, helps to solve public health problems with the concept of healthy animals, healthy food, healthy people, and is sensitive to the environment. In addition to research and practice, it carries out activities such as animal health and treatment services, laboratory analysis and examinations, artificial insemination courses, farmer training, consultancy services, animal production for the regional livestock, within the scope of this mission, has ethical values, can predict all problems in the field of Veterinary Medicine, and is to train competent and researcher veterinarians in professional fields with modern education principles.

In addition, the feasibility of veterinary medicine and herd health management training is given to all students during farm visits and ambulatory clinical service practices. Students are trained on reformed animals in the GHUAM farm in applications such as anaesthesia applications, rectal examination, mammary examination, dehorning, and application in injection areas, orthopaedic examinations, and palpation. Embryo transfer and artificial insemination practices are performed on healthy animals on the same farm.

4.8. Prevention of the spread of infectious agents

The faculty offers students excellent conditions for teaching and research. Instructions for use and warning signs of each device used by students and employees are hung on the walls. Faculty are compliant with safety measures such as fire extinguishers, tall and eye wash showers. Adequate ventilation systems are available (air conditioning equipment, central ventilation system) in the required places of the faculty and in the chemical cabinets of the faculty (hazardous substances, chemicals, biological substances, etc.).

With the ring system provided by ATAU, students can easily reach the faculty from the dormitories. The faculty allocates free buses to go to the places planned for student education.

The transportation of materials belonging to animals brought to the VTH and treated is carried out in accordance with national and EU standards.

4.9. Operational policies and procedures on biosecurity

Especially in FVMATAU, different types of waste are collected separately and all hazardous medical chemical wastes are disposed of under the "Biosafety Guide" prepared on the basis of the Veterinary Diagnosis and Analysis Laboratories Regulation published in the Official Gazette dated 11/12/2011 and numbered 28139, which is stated in ppendix 6. 25.01.2017 "FVMATAU Medical Waste Management Plan" is applied under the Regulation on Control of Medical Wastes and the Regulation on Control of Hazardous Wastes dated 14.03.2005 and numbered 25755 in the Official Gazette dated and numbered 29959. Medical wastes are packaged in special waste boxes under appropriate conditions and are waterproof, transferred to containers, drained, and incinerated. Chemical wastes are stored in a temporary storage unit, and wastes divided into three categories as toxic, mutagenic, and explosive, collected by a specialized company contracted for the treatment of chemical wastes, are disposed of under appropriate procedures. Infectious wastes are neutralized by autoclaving and destroyed according to the medical waste procedure.

Comments on Standard 4

In our faculty, quality processes are followed at the national and international level, and it was visited by VEDEK, the National Accreditation institution, between 11-15 November 2019 and was temporarily accredited for two years on behalf of the Higher Education Quality Board on 14.02.2020. Our faculty has been examined in terms of parameters such as physical conditions, educational opportunities, effective use of resources, research and development activities, biosafety practices, administrative and academic staff adequacy in the education process of the veterinary profession, and it has been registered that it provides education at universal standards.

Suggestions for improvement on Standard 4

The recommendations of accredited institutions that make evaluations at national and international levels should be taken into account and the deficiencies of the faculty should be eliminated.

Atatürk University

Faculty of Veterinary Medicine

Standard 5.

Animal resources and teaching material of animal origin

5. Animal resources and teaching material of animal origin

5.1. The number and variety of healthy and diseased animals, cadavers, and material of animal origin

Accreditation processes at the national and international level are important to ensure that the education given in Veterinary Faculties is at the desired standards. Most of the countries give importance to accreditation and the quality of education is not at the desired level in countries that do not have an accreditation system. Some countries carry out accreditation studies at the national level. EU has developed a common accreditation standard and accreditation procedures are carried out by EAEVE.

In Turkey, the accreditation processes of Veterinary Medicine profession education are carried out by VEDEK, which is authorized by the YÖK.

In FVMATAU, the use of animals and materials of animal origin for teaching purposes is provided from various sources.

Students receive their education under the supervision of instructors on ruminant, equine, small animals, and exotic animals brought to the VTH clinics by their owners. Pet owners are charged a fee for the health services provided at VTH. VTH is the most important training place where first-day qualifications are met clinically. In addition to animal health services, teaching staff also carry out educational activities here. VTH also includes classrooms and a KBL. Internet access is available in all areas at VTH and is free of charge. All of the personnel working within the body of VTH have public general health insurance. All of the students who start their internship at the VTH are paid insurance premiums and are insured against work accidents.

Training on cattle, sheep, and laying hens is given at GHUAM located on the ATAU campus, and basic and clinical training on equines is given at the Equine and Coaching Unit operating within ATAU.

There is ATADEM within the university and most graduate students participate in the studies in this unit. By signing a protocol with the Fisheries Experimental Research Unit or the Faculty of Fisheries, it is possible to make student visits and practice fishery products.

Animals are examined and treated by visiting the villages of Erzurum province with the ambulatory clinical service. While the faculty members and veterinarians perform the examination and treatment, the students also participate in the initiatives and practice. It is recommended to refer the cases that cannot be solved by the ambulatory clinic to VTH. Thus, the student sees the disease in the workplace and the enterprise, and on the first day of graduation, he gains experience on how to establish a relationship with the owner of the animal, as well as receive training on how to intervene in the field and how to approach the facts.

Training on the production of animals used for food is carried out on contracted farms where GHUAM and its teaching staff provide consultancy services.

Necropsy material and other animal origin material belonging to the species are obtained from

VTH clinics and laboratories and private slaughterhouses as educational material.

KBL is available for model use in the VTH building of the faculty. Model use starts mainly in the 3rd year. Students gain the necessary knowledge and basic skills by practicing on models and models. The inclusion of KBL in VTH makes it easier for students to make observations during applied training and in case follow-up.

The models and mock-ups found in the KBL laboratory and their intended use are given below.

Bovine theriogenology model set: Students gain the ability to perform all these manipulations in live animals by learning the bovine theriogenology model, the examination of the uterus, ovary, and udder in non-pregnant cows, the physiological changes in the uterus and ovaries in early pregnancy, the rectal ultrasonographic examination and the administration of intra-uterine drugs.

Holstein dystocia simulator set: Students recognize the soft and hard birth canal at the time of birth on the cattle power birth simulator. Learns the presentation and positions to be encountered in normal birth and difficult birth depending on the calf. Comprehends the methods on how to correct the presentation and positions of the offspring at the time of difficult birth. Learns how to remove the calf from the uterus in a healthy way at the time of birth.

Equine theriogenology model set: Students learn to examine the uterus, ovaries, and mammary glands of non-pregnant women on the mare theriogenology model, the physiological changes in the uterus and ovaries in the early stages of pregnancy, to perform a rectal ultrasonographic examination, and to administer intra-uterine drugs, and gain the ability to perform all these manipulations in live animals.

Dog hind leg bandage simulator: Hind leg bandage applications are learned.

Dog front leg bandage simulator: Front leg bandage applications are learned.

Horse nail capsule: The structure of the nail capsule, which is important for foot diseases in horses, is shown.

Healthy and diseased dog ear model: Thanks to this model, students can compare healthy and diseased ear structures.

Canine skeleton model: This allows the full display of the canine skeleton in anatomy applications.

Cat tooth module: With this module, existing or occurring disorders in healthy and diseased teeth in cats are identified.

Canine tooth module: With this module, existing or occurring abnormalities in healthy and diseased teeth in dogs are displayed.

Cattle teeth set: It is used in the education of dental diseases, age determination, and dental anatomy in cattle.

Horse teeth set: It is used in training on diseases of teeth, age determination, and dental anatomy

in horses.

Canine parasites: External parasites can be displayed in a one-to-one format.

Cat heart and lung model: It is used in education about heart parasites and their localities in cats.

Binocular loop: It is used in applied interventions as visual perception enhancing equipment for the demonstration of micro surgical procedures.

Bovine foot (nail) model: This model is used to demonstrate the diagnosis and treatment of foot diseases in cattle and for anatomy education.

Pig model: It is a material used for pig anatomy education.

Horse skeleton model: It is used to show the horse's anatomy as a whole.

Ruminant stomach model: It is used in the education of the stomach of ruminant animals. This model is to restrict students' exposure to formol.

Cow udder model: It is the model used for comfortable and proper treatment of udder diseases and udder-related interventions.

Horse head section model: It is used in the training of the oro-nasal cavity of horses.

Horse knee joint model: It is used to know the anatomy of the knee joint region in horses and to define orthopaedic and surgical operations in this region.

Stallion genital organ model: It is used to show the anatomy of the genital organ in horses, to explain the examination and surgical procedures to be performed in this region.

Medical suture learning model simulating real hairless skin: This material with a texture similar to living tissue is used to increase students' ability to apply sutures.

Medical suture learning model made of processed or artificial leather: This material, which has a texture similar to living tissue, is used to increase the ability of students to apply sutures.

Surgical suture set and bag: It is used to demonstrate the soft tissue interventions needed for better transfer to the student.

Large size dog simulation model: It is used in the training of general examination, approach methods to the patient.

Whole-body KBL simulation model.

Medium Size/Dog: Teaching students the techniques of applying catheters and injections to vena cephalica (anterior extremity vein) and vena saphena (hind extremity vein) veins in dogs; It is used to listen to normal heart and respiratory sounds.

Artificial, whole head and upper neck intubation training simulator (Medium size/Dog): It is used for intubation training for emergency interventions and anaesthesia.

Adult cat simulation model: It is used in the training of general examination and approach methods to the patient.

Bovine neck region IV application and blood collection simulator: It is used to teach students the techniques of applying catheters and injection into the vena jugularis in cattle.

Cow whole-body model: Real size, the abdomen can be opened from the top, plaster model, udder apparatus, and general examination simulation model: It is used in the training to be given to students about cattle.

Full body model of the mare: Life-size, the abdomen can be opened from the top, plaster model, with breast apparatus: It is used in the training to be given to the students about horses.

Plastine bovine whole kidney and half-section: It is used for educational purposes as practical training material in terms of its use and storage, away from the harmful effects of formaldehyde.

Plastine bovine whole heart and half-section: It is used to teach the internal and external anatomical structures of the heart.

Plastine bovine whole brain and half-section: Used in brain anatomy applications

Plastine bovine half head section: It is used in the introductory training of the anatomical formations inside the skull.

Plastine bovine metacarpus and distal training preparation: It is used in the training of orthopaedic examination and treatment interventions.

Plastine bovine eyeball training preparation: It is used in training on the demonstration of bovine eye diseases and treatment options.

Full kidney and a half section of plastine sheep: It is used for educational purposes as practical training material in terms of its use and storage, away from the harmful effects of formaldehyde.

Plastine sheep whole heart and half-section: It is used to teach the internal and external anatomical structures of the heart.

Plastine sheep whole brain and half-section: It is used in brain anatomy applications.

The half head section of plastine sheep: It is used in the introductory training of the anatomical formations in the skull.

Plastine sheep front leg training preparation: It is used in training on bones, muscles, and tendons.

Plastine sheep eyeball training preparation: It is used in training on demonstration of sheep eye diseases and treatment options.

Plastine sheep chest organs preparation: It is used in the introductory training of the organs in the chest area.

Plastine dog whole kidney and half-section: It is used in the introductory training of the anatomy of the kidney, which is the basic element of the urinary system in dogs.

Plastine dog whole heart and half-section: It is used to teach the internal and external anatomical structures of the heart.

Plastine dog foreleg training preparation: It is used for orthopaedic examination and treatment practice on a dog foreleg simulator by students.

Dog eye model: It is used to demonstrate eye diseases in dogs and to show treatment options.

Training simulation model for abdominal ultrasound examination: It is used in training on the basic principles of abdominal ultrasound and how to do it.

Training simulation model for thoracic cavity ultrasound examination: It is used for the diagnosis of thoracic traumas.

Broken bone simulation model for orthopaedic surgery in dogs: It is used in orthopaedic surgery training.

Cow udder simulation model/artificial tissue: It is used in training on udder diseases.

Otoscope-Ophthalmoscope Devices: It is used to demonstrate eye diseases in animals and to show treatment options.

Laryngoscope Set: It is used in training related to anaesthesia, emergency clinic, and resuscitation and endotracheal intubation interventions.

In anatomy laboratories; Anatomy training is given on ruminant, carnivorous, and equine cadavers in cadaver pools and on ruminant, carnivorous, and equine bones in the bone laboratory. Generally, cadavers are evaluated as educational material in the necropsy unit before being sent to the anatomy pools.

In the 2020-2021 academic year, a new curriculum has been prepared and started to be implemented, aiming to provide an education in line with current needs. With the new curriculum, integration with the first-day competencies needed in the field, especially in clinical services, is targeted. Preclinical training starts in the 2nd semester, clinical training starts in the 6th semester, and starts in the 7th-10th semester. In the second semester, the student's clinical education continues. The clinical training of the student is carried out first in KBL, on patients and cases brought to VTH. Permission is obtained from the owner of the animal to use the animal in practice training.

Food Hygiene and Technology Department courses are given between the 7th and 10th semesters. In practice classes, students examine products such as raw milk, dairy products, fresh or frozen meat products, eggs, and canned food. Physical, microbial, and chemical criteria related to the control of the production technologies of foods of animal origin are shown to the students in the laboratories of the Department of Food Hygiene and Technology. Thus, after hands-on studies, each student learns the principles of food science and modern food technology, the scientific basis of the relationship between food and human health, and the quality of hygiene.

Zootechnics and Animal Nutrition Divisions courses are given in the 3rd and 4th semesters. In practice courses, students are given computerized ration preparation practices according to animal species. In addition, the introduction of feed samples, physical and chemical analysis techniques of feeds, nutrient analysis, egg quality analyses are performed in the laboratories of the Animal Nutrition and Nutrition Diseases Department. Students are allowed to visit GHUAM cattle, sheep, and laying hen units by obtaining the necessary permissions in the practice courses. In this way, it is aimed to ensure that students have sufficient knowledge about animal breeding, nutrition, the relationship between nutrition and health/yield, and the preparation of appropriate rations according to animal species.

The use of animals in scientific or educational activities for various reasons is carried out according to the legislation defined by the Ministry.
(https://www.resmigazete.gov.tr/eskiler/2014/02/20140215-6.html).

Therefore, all procedures other than routine medical interventions on animals are subject to decisions from ethics committees. The University's Animal Experimental Ethics Committee was established to follow basic standards for the protection and welfare of animals used for experimental and other scientific purposes, including teaching.

There is a law specific to animals called the animal protection law (https://www.mevzuat.gov.tr/mevzuat?MevzuatNo=5199&MevzuatTur=1&MevzuatTertip=5) and it was updated in 2021 (https://www.resmigazete.gov.tr/eskiler/2021/07/20210714-9.html).

Apart from this, there are many regulations regarding animal health and welfare. The Ministry is supervised by central and provincial units. The links to the regulations are listed below.

Regulation on the welfare and protection of animals used for experimental and other scientific purposes
https://www.mevzuat.gov.tr
mevzuat?MevzuatNo=15568&MevzuatTur=7&MevzuatTertip=5
Regulation on the working procedures and principles of animal experiments ethics committees
https://www.mevzuat.gov.tr/
mevzuat?MevzuatNo=19404&MevzuatTur=7&MevzuatTertip=5
Animal health and police regulations
https://www.mevzuat.gov.tr/
mevzuat?MevzuatNo=8913838&MevzuatTur=3&MevzuatTertip=5
Control and resting station regulation in animal transport
https://www.mevzuat.gov.tr/
mevzuat?MevzuatNo=20799&MevzuatTur=7&MevzuatTertip=5
Regulation on general provisions on the welfare of farm animals
https://www.mevzuat.gov.tr/
mevzuat?MevzuatNo=20226&MevzuatTur=7&MevzuatTertip=5
Regulation on the production, sale, shelter and training places of domestic and ornamental animals
https://www.mevzuat.gov.tr/
mevzuat?MevzuatNo=15374&MevzuatTur=7&MevzuatTertip=5

When removing cadavers, bone, body fluids, and all waste materials that come into contact with animals, the instructions given in the Ministry's legislation are followed. The relevant material

is placed in red bags with the phrase "medical waste" and transported to the area defined for medical waste. Then, the report is delivered to the company that disposes of the medical waste. A disposal fee is paid for these works.

The cadavers to be used in anatomy applications are stored in chrome tanks containing formol.

In addition to the models for osteology training, bones obtained from the slaughterhouse or after the necropsy as training material with the permission of the owner are used, which are cleaned by boiling the bones in chalky water. The anatomy laboratory is open to the use of students during working hours and outside of class hours.

Cadaver supply in the pathology laboratory is carried out in three different ways:

1. Cadavers of animals that died in university units,
2. Animals that died or were euthanized in VTH and whose cadavers were donated by the owner for educational purposes.
3. The cadavers brought to the laboratory by the owner to investigate the cause of death.

There is cold storage for cadavers. Here, the cadavers are placed in bags labelled as medical waste, and the date and information of the cadaver's entry into the warehouse are written on the bag. The cadaver and tissue pieces that are planned to be stored for a long time are fixed and stored in formol.

Within the Faculty and VTH, there are many commissions and boards specified in the section 1.2., and the needs can be expressed transparently in these boards. Faculty boards and commissions meet routinely to improve the educational quality of students and to improve the activities carried out at the faculty and VTH. In the meetings held, the needs are expressed, and if it is possible to meet the needs from the faculty and VTH budget, the purchasing process is started with a joint decision. A project is prepared to be covered from the Rectorate's budget for large-budget educational materials and other purchases. The project is examined by the commission within the Rectorate and procurement is carried out in line with the budget.

Table 5.1.1. Cadavers and material of animal origin used in practical anatomical training

Species	2020	2019	2018	Mean
Cattle	3	3	3	3
Small ruminants	4	4	4	4
Pigs	-	-	-	-
Companion animals	-	-	-	-
Equine	4	4	4	4
Poultry & rabbits	4	4	4	4
Exotic pets	-	-	-	-
Others (specify)	-	-	-	-

Table 5.1.2. Healthy live animals used for pre-clinical training (animal handling, physiology, animal production, propaedeutic ...)

Species	2020*	2019	2018	Mean
Cattle	-	50	50	50
Small ruminants	-	50	50	50
Pigs	-	-	-	-
Companion animals	-	10	10	10
Equine	-	3	3	3
Poultry	-	100	100	100
Rabbits	-	10	10	10
Exotic pets	-	2	2	2
Others (specify)	-	5	5	5

* *Because of Covid 19 pandemic, education was done as online.*

Table 5.1.3. Number of patients seen intra-murally (in the VTH)

Species	2020	2019	2018	Mean
Cattle	1102	3018	223	1.447.6
Small ruminants	77	129	7	71
Pigs	-	-	-	-
Companion animals	4406	4895	1450	3.583.6
Equine	54	104	6	54.6
Poultry & rabbits	359	553	114	342
Exotic pets	9	37	5	17

Table 5.1.4. Number of patients** seen extra-murally (in the ambulatory clinics)

Species	2020	2019	2018	Mean
Cattle	127	688	24	279.6
Small ruminants	1	11	-	4
Pigs	-	-	-	-
Companion animals	2	-	-	0.66
Equine	-	1	-	0.33
Poultry & rabbits	-	1	-	-
Exotic pets	-	-	-	-
Others (specify)	-	-	-	-

Table 5.1.5. Percentage (%) of first opinion patients used for clinical training (both in VTH and ambulatory clinics, i.e. tables 5.1.3 & 5.1.4)

Species	2020	2019	2018	Mean
Cattle				
Small ruminants				
Pigs				
Companion animals				
Equine				
Poultry & rabbits				
Exotic pets				
Others (specify)				

Table 5.1.6. Cadavers used in necropsy

Species	2020	2019	2018	Mean
Cattle	28	3	10	13.66
Small ruminants	27	8	7	14
Pigs	-	-	-	-
Companion animals	46	18	10	24.6
Equine	1	-	1	0.66
Poultry & rabbits	32	6	7	15
Exotic pets	-	-	4	1.33
Others (specify)	-	-	-	-

Table 5.1.7. Number of visits in herds/flocks/units for training in Animal Production and Herd Health Management

Species	2020*	2019	2018	Mean
Cattle	90	485	26	200.33
Small ruminants	4	25	14	14.33
Pigs	-	-	-	-
Poultry	3	15	14	10.66
Rabbits	-	-	-	-
Aquatic animals	-	1	1	0.66
Others (specify)	-	-	-	-

Table 5.1.8. Number of visits in slaughterhouses and related premises for training in FSQ

Species	2020*	2019	2018	Mean
Ruminant´s slaughterhouses	-	11	17	9.33
Pig´s slaughterhouses	-	-	-	-
Poultry slaughterhouses	-	1	1	0.66
Dairy and dairy products unit	-	25	-	8.33

* *Because of Covid 19 pandemic, education was done as online*

The requests for the number of animals to be used in the departments are evaluated by the Dean's Office at the beginning of the fiscal year and reformed animals from GHUAM are used for this purpose. Purchases of materials/materials/services that should be used in cases related to observations in VTH, that are part of the treatment protocol, or that are thought to have an income-generating effect in line with the request of the animal owner, are evaluated by the hospital administrative board and presented to the Dean's Office, and the purchase is made with the decision of the faculty board of directors.

5.2. Practical training and experience at external sites

ATAU has several animal husbandry research units. GHUAM and ATADEM are accredited units mostly established for experimental studies and supervised by the Ministry and with the protocols signed with these units, students are provided with the opportunity to be involved in the processes.

Some faculty members of FVMATAU provide consultancy services on farms. Under the supervision of these faculty members, students have the opportunity to go to the farms. Students are included in scientific studies carried out by FVMATAU faculty members on farms or in experimental research application centers.

With the protocols signed between ATAU and Erzurum Metropolitan Municipality, animal health services are provided to the animals in the Animal Hospice and Rehabilitation Center of the Municipality, sometimes on-site, mostly by VTH transport.

Applied training on veterinary public health, food hygiene, control, and technology are given to students in laboratories by the faculty members of the Food Hygiene and Technology Department. In addition, the modern slaughterhouse and meat products processing unit of the Meat and Milk Institution is used for the implementation of the courses given by the Food Hygiene and Technology department. Students perform broiler slaughter and broiler shredding applications at the Erzincan Chicken Combine, and dairy product production applications at the Dairy Processing Facility within GHUAM.

Applied training on animal breeding, nutrition, nutritional diseases, feed hygiene, and technology are given by the academic staff of the Zootechnics and Animal Nutrition Division in their laboratories and cattle, sheep, and laying hen units affiliated to GHUAM. Weekly visit programs are planned at the beginning of the semester by grouping according to the number of students, necessary permits are obtained and vehicle allocation is requested if needed. In these

units, the introduction of feeds is used in animal feeding, age determination, body condition score determination, grouping, calf feeding, milking, laying hen care, etc. Information about the relevant section is shown in practice.

5.3. Nursing care skills and instruction in nursing procedures in VTH

When their clinical training starts, students have the opportunity to observe the examination and treatment processes of animals brought to VTH by their owners. Instructors and other health personnel are competent to meet the physiological needs of patients who come for 24 hours during the treatment process.

Following an initiated treatment protocol is one of the most important processes for the patient. For this reason, in addition to clinical interventions in VTH, the students receive oral, gastric, and enteral feeding of the patient, vascular access, gastric-oesophageal-enteral tube placement, keeping animals in individual cages, meeting daily food-liquid-medication needs, diagnostic procedures. Under the supervision of faculty members, they both observe and perform the procedures for taking samples and analyzing them, holding the animal from imaging units, protection from x-rays, shaving in ultrasonographic imaging, using probes, applying and cleaning gel, anaesthesia applications in tomographic imaging, laying the animal and bringing it to the appropriate position. In addition, services continue for 24 hours at VTH. Students keep watch at night, and by working in coordination with the on-duty lecturer and health personnel, they both find the opportunity to practice and follow up with patients by taking responsibility. VTH should always be open to the legislation published by the Ministry (https://www.resmigazete.gov.tr/eskiler/2011/12/20111221-8.html).

The emergency room is always open and there is a veterinarian, two assistant health personnel, cleaning personnel, and a security guard. In case of need, faculty members of the relevant clinic are called to duty. The preliminary examination is made for surgical interventions, appointments are made and operations are performed at the appointment time. After the operations, the animals can be hospitalized.

The same faculty members serve in the services of small animals, large animals, and exotic animals. Faculty members also carry out technical activities related to imaging and anaesthesia procedures.

There are rooms for male and female students in the hospital, where there are lockers where students can change their clothes. These rooms have defined areas where they can take a shower and relax. Due to the central location of Erzurum and the widespread cattle breeding in the region, the patient portfolio of the large animal clinic mostly consists of cattle.

One of the weaknesses of VTH is the low number of sick horses. Because horse breeding in the region has lost its old charm. This situation is also reflected in student practices. This deficiency is tried to be completed with KBL applications.

In addition to VTH, clinical training is also carried out at the farms located in the villages of Erzurum with the ambulatory clinical service. Both animal health services are provided by faculty members and students watch what is done. All data obtained at the return of the application are processed in EVET in the VTH.

By entering the EVET with the passwords defined for them, the students can see the previous transactions, filter them and see the information written by the lecturers about the patients. For these services, ATAU was deemed worthy of the "2020 Contribution to Local Development Award" by the Presidency of the Republic of Turkey.

For clinical training, students are divided into four groups based on rotation and in the fields of surgery, internal medicine, obstetrics and gynaecology, and reproduction and artificial insemination. The semesters in which students take clinical courses are specified in section 3.1. In clinical practices, the instructor practically explains all the work and procedures and clinical findings he has done on the incoming case, from the examination to the treatment, to the students. The Animal Lovers Club, located within the faculty, is an ideal space where such social interactions can take place, as well as contemplating and discussing the cases, and where students can spend time.

5.4. Medical records and software

All of the information about the animals that come to VTH or visited on-site with the ambulatory clinic are recorded using the software called EVET. Users can be added to the system as students, their authorizations can be edited, and attempts made to animals treated by instructors can be filtered out. With the start of clinical applications, students are defined to the EVET system and they are provided to observe the patient flow in VTH and all the procedures done about the patient and to reach the results of analysis and report. With the EVET system, patients can be filtered on the basis of type/gender/case, and with this software, academic data can be easily collected and shared with students. The software has a structure that can talk to PACS systems, allows data to be viewed over the internet via another computer, and can upload images and office documents.

Comments on Standard 5

In recent years, there has been a significant increase in the number of patients coming to VTH. However, there is a shortage of horses and exotic animals. The current number of patients in VTH can be considered sufficient to carry out education and training activities and to provide appropriate materials. VTH's 24-hour service is an important opportunity for regional livestock.

Suggestions for improvement on Standard 5

Although the technical infrastructure and equipment are sufficient at VTH, the number of service personnel needs to be increased. Special training should be provided and improvements should be made for specialties such as eye, external, and heart diseases at the level of clinics. Studies should be carried out to increase the number of patients and applications, especially in horses and exotic animals. The need for auxiliary health and technical personnel should be met.

Atatürk University

Faculty of Veterinary Medicine

Standard 6.

Learning resources

6. Learning resources

6.1. State of the art learning resources

ATAU is to provide modern and universal library services to support education, training and research activities. It is working to become a respected and exemplary university library with its personnel, resources, technological infrastructure, and services that meet all kinds of information needs of its readers. Among the general strategies is the continuous enrichment of the professional knowledge of the personnel, the continuous improvement of the library management and the services offered, and the development of relations with the users by organizing scientific and cultural events, the expansion of joint publication credit collaborations with domestic and foreign libraries and research in the field.

Consulting and training services; It is the activity of finding useful information as soon as possible by making use of internal and external sources for the users who are looking for information in the library. Within the scope of this activity, information/direction is made regarding the information needs of all kinds of user groups served by the central library, and training and promotional support are provided upon request.

At the beginning of the academic year, the first-year students of the faculty are introduced to the library, and resources within the scope of orientation, the use of the library automation system, and the services and opportunities are explained. For researchers who request a document-providing service, they are directed to electronic resources related to their subjects, and information about the use of resources is provided.

There are promotional videos on the ATAU website. All readers are offered one-on-one or classroom training and promotion opportunities. The database providers provide training on the relevant database in university meeting rooms throughout the year.

Books and other resources requested to be purchased by academic units are listed through the Library Automation Information and Document Access System (YORDAM) and purchased at the end of the year. For electronic book requests, user's requests are met by providing an annual subscription to the database. All members are informed about the updated book list via the website. The materials provided to the library in 2020 are given in Table 6.1.1.

Table 6.1.1. Materials provided to the library (purchase, donation)

Type of Material	Bought	Donation/Distribution	Total
Book	1.566	731	2.297
Magazine	-	62	62
Database	-	-	-
Thesis	0	745	745

6.2. Access to the library and library services (e-learning resources and WEB access)

ATAUCL is in a location easily accessible to all students (https://kutuphane.atauni.edu.tr/)

Website	**https://kutuphane.atauni.edu.tr/**	
Staff and qualifications	1 Head of Department, 2 Branch Managers, 1 Stock Treasurer, 2 Chiefs, 2 Computer Operators, 12 Data Preparation and Control Operator, 5 Officers, 1 Technician, 1 Technician, 7 Workers, 2 Security Guards. Library staff keeps their technology, organization, library, and knowledge up-to-date on regular training.	
Open days and hours	Information resource hall	Weekdays 09:00-20:45 (During Pandemic: 09:00-17:00) Weekends 09:00-16:45 (During Pandemic: Closed)
	Study Halls (Library Additional Service Building)	Every day: 09:00-23:00 (During Pandemic: 09:00-21:00)
Annual budget	1.519.000,00 TL	
Facilities	The Central Library building serves 588 users with 6 information resource halls, 1 study hall, and 1 internet hall in a closed area of 7.330 m², and 1.165 users in an 8.000 m² closed area in the annex building (study hall) (Table 6.2.1-6.2.2).	
Equipment	Internet service is provided for educational purposes with 59 desktop computers in the central library. It is also possible to search with portable private computers (Table 6.4). All the materials in the library are transferred to the electronic environment with the "YORDAM 2001-Library Information-Document Automation" program and offered to the users on the internet.	

Table 6.2.1. Physical structure of the central library

Name of the Area	**Number**	**Square Meter**	**Number of Users**
Information Resources Hall	6	3.300	384
Study Hall	1	250	192
Canteen	1	350	-
Internet Lounge	1	50	12
Binding Workshop	1	60	-
Administrative Service Area	14	280	-
Warehouse Space	2	40	-
Archive Area	1	3.000	-
Total	27	7.330	588

Table 6.2.2. Study hall physical structure

Name of the Area	Number	Square Meter	Number of Users
Study Hall	12	6.376	1.137
Internet Lounge	1	50	21
Canteen	2	200	-
Administrative Service Area	2	150	6
Warehouse Space	2	400	-
Photocopy	1	4	1
Publication Department	1	100	-
Rest area, Masjid, WCs etc. fields	-	720	-
Total	22	8.000	1.165

Table 6.2.3. Technological resources

Type	Number
Desktop Computer	59
Photocopy machine	2
Printer	6
Scanner	5
TV	2
Projector	1
Barcode reader	2
Electronic Entrance Turnstile	5
Fax	1
Night Vision Camera	69
Camera Recorder	4
Self-check Device	2

YORDAM are used for bibliographic searches. The program can be used with a personal account. With this program, transactions such as accessing the library catalog, downloading existing electronic documents, reservation of materials, or extending the loan period for borrowed materials can be performed from any computer with internet access.

Within the scope of the Borrowing system, library members can borrow books (Table 6.2.4). It is obligatory to show the university ID when borrowing books. First-degree reference sources such as advisory sources, dissertations, periodicals, and rare works are not lent. Academic and administrative staff and students are natural members of ATAUCL and a university ID is sufficient for registration. Information resources that are not available in the library can be borrowed from other domestic libraries under the Protocols of the Interlibrary Cooperation Tracking System (KITS), Inter-Library Loan (ILL) and the Turkish Document Supply and Lending System.

Table 6.2.4. Borrowing periods and numbers from ATAUCL

The Reader	Borrowing period	Number
Academic and administrative staff	30 days	5 books
PhD students	30 days	5 books
Graduate students	21 days	5 books
Undergraduate and associate students	15 days	3 books

There are six more independent libraries at the university. Faculty of Theology Library, Faculty of Letters Library, Faculty of Agriculture Library, Faculty of Law Library, Turkish Studies Research Center, Faculty of Economics and Administrative Sciences Library.

FVMATAU has a computer and reading room with limited learning resources and books for the use of its students. This section is on the ground floor of the main building. The computer room can be used as an e-library outside of class hours (ration and statistics classes). 20 computers in this library are allocated for student use during working hours. ATAU's widespread scientific periodical subscription is also open to student access. FVMATAU students can access the periodicals subscribed by the university online from the computers in the faculty library, as well as search through other databases subscribed by the university. In addition, in the classrooms section of our faculty, there are living and reading areas available to students on each floor. In these areas, students can read books, magazines, and printed publications in their spare time, study, or benefit from internet services through their computers. Undergraduate and graduate students can also access course content and learning resources through ÖBS.

All materials in the library are transferred to the electronic environment using YORDAM 15.0 Library Automation Program and offered to users on the internet. Software and information access systems are presented in Table 6.2.5.

Purchasing, cataloging, sorting, lending, and announcement services of our library's printed collection are carried out with this automation program. In addition, statistics and evaluations regarding the service provided are made.

Students are provided with 9 computers for querying and accessing the library collection. Regular and systematic cataloging and classification processes are carried out by 3 personnel in order to provide access and use to books, journals, and theses purchased, donated, or distributed in a short time. With 2 self-check (automatic borrowing) devices, borrowing services (borrowing-extension) are offered to readers.

Table 6.2.5. Software and information retrieval systems-2020

Usage Areas	Software / Program
Automation (Operating) System	YORDAM Library Automation Information and Document Access System
Databases Batch Search Engine	SUMMON Electronic Resources Batch Scan
Enterprise Archive Operating System	Dspace Enterprise Open Access Platform
KITS Operating System	KITS Inter-Library Cooperation Tracking System
Document Delivery Operating System	TUBESS Turkey Document Supply and Lending System
Document Management System	ÜBYS University Document Supply and Lending System

Staff and students must be connected to the available Wi-Fi and internet network on campus to access e-learning resources. For off-campus access to electronic resources, Proxy settings are configured or remote access is provided using the "Deep Knowledge" e-Library Portal. Detailed information for off-campus access is shown on the library website.

6.3. Access to learning resources, internet and internal study resources, and equipment for the development of procedural skills

ATAUCL has 207.279 printed books, 1.797 manuscripts, 4.400 printed journals, 15.267 ATAU theses, 7.185 maps, 414 visuals (CDs, DVDs) between 1970 and 2013, and local newspapers between 1954 and 1990. There are 250.000 e-books (full text), 64.696 e-journals (full text), and more than 5.000.000 online supported e-theses (full text). In addition, there are 1.051 printed books, 46 printed periodicals, 163 master and doctoral theses in the field of veterinary medicine.

ATAUCL has 54 e-database resources (Table 6.3.1). To learn and use the database, student and personnel training programs are organized by the database company representatives in the meeting rooms of the Rectorate at regular intervals, with the participation of FVMATAU students. In addition, the use of some related resources is shown in the e-resources education tab on the library website. Related web addresses are listed below;

- About databases:
  https://atauni.edu.tr/veritabanlari-hakkinda

- Searching e-journals:
  http://rk5et5me2t.search.serialssolutions.com/ejp/?libHash=RK5ET5ME2T#/?language=tr&titleType=ALL

- YÖK thesis catalog search:
  https://atauni.edu.tr/yok-tez-katalogu

Table 6.3.1. List of all databases accessible with buy and subscription options

Number	Name of the Database
1	ACS (American Chemical Society)
2	AIP (American Institute Of Physics)
3	AMA (American Medical Association)
4	APS (American Physical Society)
5	ASCE (American Society of Civil Engineers)
6	ASTM Standards and Engineering Digital Library
7	BMJ Journals
8	CAB Abstracts
9	Clinical Key
10	DeepKnowledge (Remote Access)
11	Drama Online
12	Library Thing Book Cover Widget Package
13	EBSCOhost - Academic Search Complete
14	EBSCOhost - Applied Science & Business Periodicals Retrospective

15	EBSCOhost - Applied Science & Technology Index Retrospective
16	EBSCOhost - Business Source Complete
17	EBSCOhost - Dynamed
18	EBSCOhost - Education Index Retrospective
19	EBSCOhost - Humanities & Social Sciences Index Retrospective
20	EBSCOhost -Social Sciences Index Retrospective
21	Emerald Premier e-journal
22	HeinOnline
23	Hiperkitap
24	HukukTürk
25	IEEE
26	IOP (Institute of Physics)
27	IThenticate
28	JSTOR Archives Journal Content
29	MathSciNet
30	Mendeley
31	Nature Journals
32	Oxford Journals Online OUP
33	OVİD - LWW
34	PNAS (Proceedings of The National Academy of Sciences…)
35	Project MUSE
36	Pro Quest Central
37	ProQuest Dissertations and Theses Global
38	RSC (Royal Society of Chemisty)
39	SAGE Journals
40	ScienceDirect: Subscribed Content
41	Scifinder (Chemical Abstracts)
42	Scopus (Elsevier)
43	SOBİAD
44	SPORTDiscus with Full Text
45	Springer Link
46	Springer e-books
47	Summon Federe Search Engine
48	Taylor and Francis
49	Thieme- Connect
50	TSE (Turkish Standards)
51	Turnitin
52	Uptodate
53	Web of Science
54	Wiley Online Library

Comments on Standard 6

ATAUCL is well equipped in terms of information resources, a sufficient number of faculty, and physical condition. The library responds to the needs in its current form. In terms of learning resources; there is a comprehensive library and reading rooms located within the university campus. Access to the library and reading rooms is easy. The staff working in the library is expert and experienced. Reading and study areas per student are sufficient. However, students visits to the central library, where printed resources are available, are insufficient.

Suggestions for improvement on Standard 6

Today, due to the diversity of communication and information tools and the multifaceted sources of access to information, beyond the classical librarianship understanding, with an approach where the student can feel more comfortable, benefit from digital and electronic opportunities, and find opportunities such as fast and unlimited internet access, not only the course resources but also the course resources. At the same time, an understanding of library service gains importance in which he can access information and resources in other areas of interest and self-improvement. Future-oriented goals and plans regarding learning resources are as follows: The activities carried out in the fields of basic practice, research, postgraduate education, social services, and information materials should be stored electronically and made available to students.

Standard 7.

Student admission, progression and welfare

7. Student admission, progression and welfare

7.1 Phases of the student admission, progression and certification

Students who are declared to be placed in the faculty by Student Choosing and Placement Center (ÖSYM) can register online or by contacting the faculty after the faculty announces the registration dates. Guidance service is given to newly registered students during registration and registration is completed by institution personnel. For newly registered students, university and city brochures, promotional CDs, and promotional materials including the Education and Examination Regulations of the faculty and a Newly Registered Student Information File explaining the procedures they will do during their education are given. The student advisor, the Deputy Dean in charge of student affairs, and the officer in charge of student affairs, appointed by the Dean's Office, provide assistance and support to students throughout the entire learning process.

In addition, there are national and international student exchange programs (Erasmus, Farabi, Mevlana) coordinators in the faculty and coordinator faculty members guide students.

The educational programmes, learning outcomes, admission procedures and requirements progression and certification, tuition fees and academic calendar for national and foreign students are carried out by Head of Student Affairs and by the Office of International Affairs. https://atauni.edu.tr/en/ogrenci-isleri-daire-baskanligi, https://oia.atauni.edu.tr/en/.

Information about FVMATAU is available on the ATAU website in Turkish (https://atauni.edu.tr/veteriner-fakultesi) and English (https://atauni.edu.tr/en/veteriner-fakultesi). As content; history of the faculty, mission, vision, institutional evaluation and strategy plan, management structure and staff, internal control, promotion, VTH, application units, accreditation, foreign relations, faculty journal, organized events, educational processes, and legislation, student suggestions, and complaints, social media and contact information are presented on this website. The curriculum vitae of the academic staff, detailed information about their projects and publications, and developments regarding the faculty are also included on the same page. In addition, Faculty activities are shared on Instagram (https://www.instagram.com/atavet.official/) and YouTube (https://www. youtube.com/channel/UCUbIf2aIe9pXfvXE9S_M7Eg) social media accounts, and by the Press and Communication Coordinatorship of the university and national Radio/TV channels, and the broadcasting organs of the Faculty of Communication, promotion, and information programs are made.

For national students, no annual tuition fee is charged during the normal education period. In case the education period is extended, the tuition fee determined by the state is charged for each academic year. In addition, regular secondary education, summer school, university extension and distance education, and tuition fees received from international students are transferred to the university budget as a source. In case of need, these incomes are allocated to the faculty. For the 2020-2021 academic year, the annual national student tuition fee is 420,00 TL, and the annual tuition fee for international students is 6.000,00 TL per year.

7.2. Concordance between the numbers of students with the resources

Table 7.2.1. Number of new veterinary students admitted by the Establishment

Type of students	2020	2019	2018	Mean
Standard students	113	112	73	99.33
Full fee students	-	-	-	-
Total	113	112	73	99.33

Table 7.2.2. Number of veterinary undergraduate students registered at the Establishment

Year of programme	2020	2019	2018	Mean
First year	125	154	131	136.66
Second year	122	68	46	78.66
Third year	73	53	74	66.66
Forth year	60	73	71	68
Fifth year*	115	93	94	100.66
Total	495	441	416	450.66
Interns*	90	70	78	79.33

** Interns programme is in the 10th semester. Only interns students.*

Table 7.2.3. Number of veterinary students graduating annually

Type of students	2020	2019	2018	Mean
Standard students	64	71	54	63
Full fee students	-	-	-	-
Total	64	71	54	63

Table 7.2.4. Average duration of veterinary studies

Duration	Students graduated in 2020 (%)	Students graduated in 2019 (%)	Students graduated in 2018 (%)	Mean (%)
+ 0**	34 (53.13)	42 (59.15)	35 (64.81)	58.73
+ 1 year	19 (29.69)	15 (21.13)	8 (14.82)	22.22
+ 2 years	5 (7.81)	6 (8.45)	5 (9.26)	8.47
+ 3 years or more	6 (9.37)	8 (11.27)	6 (11.11)	10.58

Table 7.2.5. Number of postgraduate students registered at the Establishment

Programmes	2020	2019	2018	Mean
Residents	-	-	-	-
PhD students	79	76	63	73
MSc students	97	52	106	85

7.3. The selection and progression criteria

To enrol in the undergraduate program in Turkey, students must take the Higher Education Institutions Exam organized by the ÖSYM. This exam consists of two stages consisting of multiple-choice questions. First stage Basic Proficiency Test (TYT); It consists of 120 questions about Turkish, Social Sciences, Basic Mathematics, and Science. The exam duration is 135 minutes. The second stage is the Field Proficiency Test (AYT). AYT; It contains 160 questions about Turkish Language and Literature, Social Sciences-1 and 2, Mathematics and Science. The exam duration is 180 minutes. The contribution of TYT to the total score is 40% and that of AYT is 60%. Candidates' placement scores are calculated by adding their high school graduation grades. Exam results are announced as Verbal, Quantitative, and Equal-Weight. FVMATAU accepts its students according to their numerical scores. Students are placed according to their preferences and scores, taking into account the undergraduate quotas of all faculties, and the results are announced by ÖSYM. Students register for these programs on the specified dates. According to the specified criteria, 90 students are registered to the faculty every year. ÖSYM can also make additional placements in case the quotas are vacant. However, since FVMATAU has been a preferred faculty since its establishment, its quota is usually filled in the first placement.

FVMATAU has no restrictions on the admission, registration, and training of students with disabilities. Necessary arrangements have been made for students with disabilities in the university campus and faculty, and equal opportunities for education and social activities have been provided. Throughout the university, special studies are carried out for students with disabilities, units and representative offices have been established within the scope of the concept of "University without Barriers" (https://www.atauni.edu.tr/engelli-ogrenci-unit) and current developments are shared on the specified web page.

Veterinary Faculties do not have any duty or authority in the selection of undergraduate students, as undergraduate students throughout Turkey are placed through centrally organized and ÖSYM exams.

Students can object within 10 days from the announcement of the exam results by ÖSYM. Objection procedures are carried out by ÖSYM.

Application, evaluation, and placement procedures are announced on the ÖSYM website and in the national press. Each stage of the exam can be followed by the candidate on the ÖSYM web page (https://ais.osym.gov.tr/) through the Candidate Entry.

Undergraduate education at public universities is free. Therefore, there is no separate admission procedure for scholarship students. However, the applications of students coming from abroad

are examined under a separate heading. Scholarships that may be required for undergraduate education for students who are successful in the exam, information, applications, and evaluations for their participation in artistic and cultural activities are made by the rectorate, relevant institutions, or foundations.

ATAU campus has a large area for educational and social activities. Transportation to the campus is provided by walking, bus, and minibus, taxi, and student shuttles of some private dormitories due to its proximity to the city. Neighbourhoods close to the campus are preferred by most of the students coming from outside the province and are within walking distance of the faculty. Transportation to the faculty from these regions is also done by minibuses. The faculties of medicine and dentistry on campus provide free health services to our university students. The university's social facilities offer reasonably priced and quality meals for staff and students alike. In addition, private businesses operating in different sub-service sectors provide services within the campus. On the campus, there are private canteens and stationery shops. There are many post offices, banks, and ATMs on campus. Cultural Centers serve with numerous conference halls and exhibition halls for student societies' conferences, scientific meetings, organizations, and events. The Information Processing Center serves students and academic staff for many purposes such as internet, curriculum development, study, and research. There are many dormitories for boys and girls operated by the Credit and Dormitories Institution inside and outside the campus.

There are many sports facilities available to students in the city and on campus. For sportive activities, there are winter sports centers where international competitions can be organized, an Olympic swimming pool with sauna, steam room, fitness center, facilities and training areas suitable for tennis, mountaineering, basketball, volleyball, handball and other fields (https://www.atauni.edu.tr/health-culture-and-sports-department-presidency). There is also an athletics track, classrooms, a tribune track with study halls, and a football field.

The location and functioning of the faculty and the functions of students and staff are regulated according to biosecurity rules. Gloves, masks, bonnets, disposable aprons, boots, disinfectants, and other necessary materials for clinical and laboratory applications are provided to the students by the faculty. In addition, students can easily obtain such biosafety materials from the stationery in the faculty when necessary. Necessary theoretical and practical information on biosafety in clinical and applied courses are given by the lecturers and staff of the relevant course. There is a "Biosafety Commission" in our faculty to maintain and monitor biosecurity issues in a more programmed manner. In determining the student quota, the standards to ensure biosecurity are also observed.

Faculty quotas are determined by YÖK according to certain criteria (such as the number of faculty members, training areas, laboratories, biosafety conditions). 90 students will be accepted each year for the next 3 academic years.

7.4. Description of the policies and procedures devoted to applicants with disabilities

ATAU Disabled Students Unit (https://eob.atauni.edu.tr/) aims to create an administrative, physical and academic environment compatible with their special situations and differences for disabled students to complete their education and training processes in a healthy, unhindered, and successful manner. It is the unit established within the university in order to take the

necessary measures to solve the problems that occur in the ideal standards. The unit has a directive regulating its work (https://eob.atauni.edu.tr/wp-content/uploads/2021/04/ATAEOB-Yonergesi.pdf). Again, there are ATAU Disabled Student Education and Exam Application Principles to provide equal opportunity in education and examination applications for disabled students in associate, undergraduate, and graduate programs (https://eob.atauni.edu.tr/wp-content/uploads/2021/07/ATATURK-UNIVERSITESI-ENGELLI-OGRENCI-EGITIM-OGRETIM-VE-SINAV-UYGULAMA-ESASLARI-1.pdf)

7.5. Description of the progression criteria and procedures for all students

The education period of the faculty is 10 semesters, i.e. 5 full years. Each academic year consists of the fall and spring semesters. The total course credit in the curriculum is 300 ECTS, of which 250 credits and 30 ECTS per semester. Each semester lasts 14 weeks. Details of students' achievement evaluations are presented in the 3rd and 8th chapters.

To deal with the education and other problems of the students in the faculty, approximately one faculty member for every 10 students provides consultancy services. In addition to getting guidance and support from the advisor on special issues (family problems, financial difficulties), students also make course registration, follow-up, and course approval together with their advisors. Students with low performance due to financial inadequacy are directed by the Dean's Office to receive scholarships from government departments and private institutions. In addition, the "Scholarship Commission" assigned by the Dean's Office supports students in need. Students with health problems are directed to the Faculty of Medicine and Dentistry within the university, and they also benefit from guidance and psychological counselling services free of charge.

Information such as academic and exam schedules are available on the faculty website and students can easily access this information promptly. In addition, in all cases related to students, short messages are sent to their mobile phones. All kinds of announcements about students are made continuously by the Dean's Office. In addition, each student can access the announcements and exam results by connecting to the student automation system with their password (https://obs.atauni.edu.tr).

The rate of students who graduated from the faculty in the last 3 academic years is shown in Table 7.2.3., it is seen that the rate of the students who graduated from the faculty in the standard period is 53.13%, and the rate of graduating after one year is 29.69%. It can be thought that some adaptation, personal, financial, or family problems, as well as the intensive curriculum, have effects on the lengthening of the education period.

Information on student selection procedures and criteria and the number of accepted students are given in section 7.2. Services offered to students are carried out by the vice dean in charge.

7.6. The exclusion of students from the programme and appeal processes

If the student who wants to freeze the registration declares his/her right and valid excuse, his/her registration is frozen for one or two semesters with the decision of the Faculty Administrative Board. Students are required to complete their education at the faculty within eight years, which is the maximum period of study by the relevant legislation. However, students who cannot graduate within this period can re-register to continue their education, provided that they fulfil the conditions specified in the Law. In addition, students who want to cancel their registration or who are sentenced to leave the university are dismissed from the university by the relevant legislation (https://www.mevzuat.gov.tr/mevzuat?MevzuatNo=23757&MevzuatTur=8&Mevz uatTertip=5).

7.7. The physical, emotional and welfare provisions for students

In order to support the physical, emotional and well-being needs of students, many application and research centers serve within ATAU (https://atauni.edu.tr/en/arastirma-merkezleri). These are some application and research centers:

- Career Planning and Alumni Monitoring Application and Research Center
- Children and Science Application and Research Center
- Clinical Research, Development and Design Application and Research Center
- Computer Sciences Research and Application Center
- Continuing Education Application and Research Center
- Disabled, Elderly and Veterans Research and Application and Research Center of Excellence
- Distance Education Application and Research Center
- Office Environmental Problems Research and Application Center
- Finance Application and Research Center
- Health Research and Application Center
- High Performance Computing Application and Research Center
- Human Values Education Application and Research Center
- Multi-Skill Scanning and Orientation Application and Research Center
- Occupational Health and Safety Application and Research Center
- Research and Application Center
- For Gifted and Talented Students Social Awareness Projects Application and Research Center
- Social Researches Application and Research Center

- Teaching and Learning Development Application and Research Center
- Turkish Education Application and Research Center
- Women's Studies Application and Research Center

Also students with health problems can benefit from the Faculty of Medicine- Health Research and Application Center and Faculty of Dentistry on the University campus free of charge. They can also receive health services from state hospitals and family health centers in their region of residence.

ATAU has a large number of student societies related to the artistic, cultural, academic, and sports fields that its students are interested in. In this context, there are 6 active student societies in the faculty. Student Societies are supported by the Rectorate (Health, Culture, and Sports Department) and the Dean's Office.

Students can report their complaints to their advisor or faculty management via ÖBS, physically or verbally. Complaints about the resolution of complaints are evaluated and finalized quickly by faculty members, advisors, faculty-related commissions and boards, or faculty management, depending on the subject and addressee.

7.8. Description of the mechanisms allowing students to provide their needs, complaints, comments and suggestions to the Establishment

Students can report their complaints, suggestions, needs, and opinions through ÖBS, physical petition, or face to face orally. Students can evaluate by filling out a questionnaire about the courses they have taken and the relevant faculty members over the Lecture Information System (DBS) throughout the University. In addition, students can submit their suggestions, comment and complaints about compliance with national and international legislation and ESEVT Substandards anonymously, with the same procedure, if they wish.

Comments on Standard 7

Selection, admission, adaptation, and continuous education of students are carried out within the framework of the relevant legislation determined by YÖK. It is thought that the social, cultural, sports and biosecurity facilities of the university and faculty are sufficient. There are many alternatives such as dormitories, apartments, and houses for students to stay. Student societies carry out professional, cultural, and social activities. A very important part of the students enrolled in the faculty graduate and some of them prefer to continue their postgraduate education in the same faculty.

Suggestions for improvement on Standard 7

A rational approach of YÖK to veterinary education concerning the requirements of the veterinary profession and society is needed in general. Student quotas should not be increased in the coming years.

Standard 8.

Student Assessment

8. Student Assessment

8.1. Assessment strategies and methodologies

The academic calendar, which is discussed and decided by the University Senate, is announced on the ATAU website at the beginning of each academic year. This calendar includes course registrations, start and end dates of education, and year-end and make-up exam dates. Student assessment is considered one of the most important stages of the learning process. Student evaluation is carried out within the framework of ATAU Associate Degree and Undergraduate Education and Examination Regulations (https://www.mevzuat.gov.tr/ mevzuat?MevzuatNo=23757&MevzuatTur=8&MevzuatTertip=5).

There is at least one midterm exam in each semester. At the end of the semester, an end-of-year exam is held, and students who fail the end-of-year exam can take the make-up exam. Midterm exams are usually held during class hours and education continues during the midterm exams. After the last week of education, the end-of-year exams start. Exam programs are prepared by the Education-Training Commission. Before the commission's work, the Dean's office requests information from the department heads about the way the exams are conducted (written, oral, etc.) and the number of exams for the courses taught by their departments. In line with the information received from the department heads about the exams, the exam program is prepared by the Education-Training Commission and presented to the Faculty Administrative Board. With the approval of the Faculty Administrative Board, the exam schedule is announced on the Faculty website and bulletin boards at least 7 days before the exams.

Midterm exams are held in 3-4 weeks between the 7th and 10th weeks of education, and the year-end exams are held in 2 weeks at the end of the semester. For the theoretical and practical training given in the courses, theoretical exams can be made as well as practical exams. Practical exams can be performed on the patient in laboratories, KBL or VTH.

The relative evaluation system has been used in FVMATAU since the 2020-2021 academic year. According to this system, 40% of midterm exams and 60% of end-of-year or make-up exams are taken into account in the calculation of passing grades. Students who cannot take the midterm exams due to their excuses are entitled to take the make-up exam. Students who do not take the make-up exam for any reason are not entitled to a second make-up exam. Students can make a written objection to the Dean's Office within five working days from the announcement of the grades. Students who want to take courses they have failed or new courses up to a certain credit/ECTS can take them at their university or a summer school at another university if the conditions are met. Students who have fulfilled the attendance and/or application requirements at the end of the semester/year for their graduation, but have failed a single course, are given the right to take a one-course exam at the end of the semester/year or make-up exam period in which they miss a single course, with the decision of the Faculty Administrative Board.

Written, multiple-choice, true-false, fill-in-the-blank, and oral exams are the most common forms of exams in the evaluation of theoretical knowledge. Oral exams are conducted to measure practical knowledge.

Preclinical practical skills are assessed primarily through in-class assessments throughout the semester and written reports following the end of the course. In addition, laboratory practice exams and theoretical exams are evaluated as a whole in the evaluation of practice skills of preclinical courses.

The degree to which the clinical qualifications are completed by the students is monitored by the fact that the practice notebooks are checked and approved by the responsible faculty member in applied courses. In clinical applications, students can be evaluated depending on the responsible faculty member. In addition, attendance lists of student's participation in rotations in hospital clinics and ambulatory clinical service are also monitored and recorded by the responsible faculty member.

Students take anamnesis from the patient's owner before the lecturer responsible for the patients who come to VTH, and in this way, they improve their anamnesis skills. In addition, information is given by the responsible faculty member about how to establish a relationship with the patient owners.

8.2. Description of enforcement of the assessments

The evaluation process is done according to ATAU Associate and Undergraduate Education and Examination Regulations (https://atauni.edu.tr/egitim-ogretim-mevzuati-9) and the procedures for calculating the grades are done through ÖBS. All data related to exam grades recorded in ÖBS are securely backed up and stored in an electronic environment. Exam grades are announced on ÖBS. Staff responsible for student affairs can access the automation system. The security of ÖBS is controlled by ATAU Registrar's Office and Computer Sciences Research and Application Center.

The current version of the evaluation criteria/procedures is available on the website of our University and Faculty (https://atauni.edu.tr/yuklemeler/0db19e3d9600142ff792cfa2e502b478.pdf). As stated above, exam schedules (except for short-term exams) are announced at least seven days before the start date of the exams, after they are prepared by the Faculty Education and Training Commission, discussed, and approved by the Administrative Board. Exam day, time, and place cannot be changed without the knowledge of the Dean. Exams can also be held on Saturdays and Sundays, excluding national and religious holidays.

At the end of the semester, students who are successful in taking all the required courses until the end of the semester, who have not received any disciplinary action before, and whose weighted grade point average (AGNO) is above 3.50 are defined as "High Honor Students". Students with a semester AGNO between 3.00-3.49 are declared as "Honor Students". The high honorary and honorary student lists are announced on the faculty website (https://atauni.edu.tr/2020-2021-egitim-ogretim-yili-bahar-donemi-veteriner-fakultesi-yuksek-onur-ve-onur-belgesi-take-eligible-student-list).

To take the end-of-year exam, it is compulsory to attend 80% of the courses. If this condition is not met, the student is deemed unsuccessful in the continuation of the course, and the letter Z is recorded on the student's transcript. Students who fail in attendance cannot take the end-of-year/make-up exams.

The student's final grade is calculated by taking 40% of the midterm exam grades and 60% of the year-end/make-up exam grades. To be successful in the course, the final grade must be at least 50. In addition, for the student to be successful in the course, it is obligatory to get at least 50 points from the end-of-year/make-up exam. Students with a final grade of less than 50 pass the course with DC/DD letter grade or fail the course with an FF letter grade. If the AGNO is at least 2.00, the letter grades DC and DD are considered successful, and if it is below 2.00, the letter grades DC and DD are considered unsuccessful. Students with a grade point average of 2.00 and above can take courses from the next semester.

Evaluating the exams after they are announced and examining student feedback is an important part of the evaluation process. A student can object to the result of an exam within 5 working days from the announcement of the result. The appeal is made with a petition submitted to the dean's office.

If a material error is detected by the relevant instructor in the exam papers, this error is corrected and announced with the decision of the relevant administrative board.

8.3. Description of updating assessment strategies, learning outcomes, and decision criteria on progression

Evaluation strategy in FVMATAU is made according to ATAU Associate and Undergraduate Education and Examination Regulations (https://atauni.edu.tr/egitim-ogretim-mevzuati-9). Exam periods are determined in ATAU academic calendar and exams are held between the specified dates. At FVMATAU, the exam program is prepared by the Education and Training Commission and submitted to the Faculty Administrative Board for approval. The exam schedule approved by the board of directors is announced on the Faculty website and bulletin boards at least 7 days before the start of the exams. The education period is 14 weeks for a semester. Courses are given on a semester basis and therefore exams are held on a semester basis.

Learning outcomes define what knowledge, skills, and competencies the student will have at the end of the course. Learning outcomes in FVMATAU are defined in the course information package for each course. The questions asked in the student assessment should be related to the learning outcomes of the course. At ATAU, the relationship between learning outcomes and assessment is supervised by the "Quality Coordinator". In FVMATAU, this relationship is controlled by the "Unit Quality Commission". The commission requests and evaluates the matrix table of the relationship between the learning outcomes of the course and the exam questions from the lecturer. If no evaluation has been made regarding one or more of the learning outcomes of a course, information is obtained from the lecturer about this situation and it is suggested that there should be a relationship between the learning outcomes and the exam questions.

8.4. Assessment methodology to ensure that every graduate has achieved the minimum level of competence

The necessary information about obtaining the learning outcomes of the courses in FVMATAU is explained in detail in section 3.3. In addition to the information given in this section, as explained in section 8.3. the relationship between the learning outcomes of the course and the

student evaluation is supervised by the FVMATAU quality commission. Thanks to this control mechanism, the success obtained as a result of the student evaluation, which is related to the learning outcomes of the course, is evaluated as the success of the learning outcomes.

Throughout their education, students are encouraged to think, question, research, and actively participate in lessons rather than passive learning. The student actively participates in practice classes and does self-learning, prepares homework in some lessons, does research while preparing their homework, and prepares presentations. In the final year, he/she prepares and presents the graduation thesis. Researches cases encountered in clinical courses and the hospital. Student's graduation theses can be based on a research project or in the form of a compilation. While preparing the thesis, the student conducts a comprehensive literature review and gains the skill of literature review.

8.5. Direct assessment and reporting of clinical skills and day one competences

The curriculum is designed to incorporate day one qualifications into the program and ensure that they are implemented at the expected level. The theoretical and practical qualifications that students acquire during their education are compatible with ESEVT Day One Qualifications. The learning outcomes of each course in the curriculum are defined and it is obligatory to be successful in each course as a result of the evaluations. The contribution of the failed course to the first-day proficiency is also unsuccessful. For this reason, the most important evaluation methodology that every graduate can achieve on the first day is to successfully complete the courses he has taken.

Comments on Standard 8

At FVMATAU, training, and surveys related to student assessment are carried out, and studies are carried out to make student assessment in the best and most efficient way.
Education continues during the midterm exams. Students take at least one midterm exam every day and attend classes. Intensive courses and exam periods can negatively affect the success of the student.

Suggestions for improvement on Standard 8

To improve student assessment and keep it up to date, faculty members should be given regular assessment and evaluation training. Assignments should be given to improve student' s presentation and research skills. During the midterm exam week, education may be suspended so that students can better prepare for the exams. The experience and opinions of the graduates about the first day's qualifications in their first five years of professional life should be obtained through surveys.

Atatürk University

Faculty of Veterinary Medicine

Standard 9.

Academic and support staff

9. Academic and support staff

9.1. Competences of the staffs and their roles and recruitments

FVMATAU academic staff have academic qualifications in the field of education program. ATAU determines the recruitment and promotion of academic staff with the "Requirements and Practice Principles for Application to Atatürk University Faculty Members" (https://atauni.edu.tr/yuklemeler/864206d98838640860fbaf9e9d1bdfbd.pdf). According to the principles of practice, each instructor is required to fulfil various evaluation criteria such as article publication in journals within the scope of SCI-E, SSCI or AHCI, citation, project management, project-based on social contribution.

FVMATAU consists of a total of 5 divisions, namely Basic Sciences, Preclinical Sciences, Clinical Sciences, Zootechnics and Animal Nutrition, and Food Hygiene and Technology, and a total of 21 departments in these divisions. There are Professor, Associate Professor, Lecturer with PhD and Research Assistant in the departments. Most academic staff hold doctoral degrees. Most of the academic staff working at FVMATAU are veterinarians.

Faculty academic staff, support staff, and students in laboratories must comply with biosafety rules. These rules are included in the Biosafety Guide prepared by faculty members.

Academic staff related to teaching can make learning resources available to students by using the DBS, which is included in the student information system. The Dean's office asks the departments for the courses to be opened in the faculty every semester and the names of the lecturers who will teach. Heads of the relevant departments within the departments take the opinion of their faculty members, and the faculty members who will give the course/courses are determined by the decision of the department board. These decisions, which are conveyed to the department chair, are discussed and approved by the faculty board. The courses are to be opened by the Student Affairs Office and the names of the lecturers are defined in the course information system.

Education is followed according to the course contents in this system. ÖBS, which is special software, is used for the education program carried out in the faculty. Learning materials, course syllabuses, and learning outcomes of the courses are shared in this system, and access is provided to the students. All competencies to be acquired are applied by the Bologna process. In ÖBS, there are course evaluation questionnaires filled by students at the end of each semester to measure the educational performance of faculty members.

9.2. Tabulation of the staffs

Table 9.2.1. Academic staff of the veterinary programme

Type of contract	2020	2019	2018	Mean
Permanent (FTE)				
Full Professors	26	25	23	24.66
Associate Professors	19	21	13	17.66
Total Permanent (FTE)	45	46	36	42.33
Temporary (FTE)				
Assistant Professors	15	17	22	18
Research assistants (PhD Students)	22	16	11	16.33
Research assistants (MSc Students)	2	0	0	1
Research assistants (Dr)	2	1	1	1
Total Temporary (FTE)	41	34	34	36.33
Grand Total	86	80	70	78.66

Table 9.2.2. Percentage (%) of veterinarians in academic staff

Type of contract	2020	2019	2018	Mean
Permanent (FTE)	91.11	91.30	88.88	90.43
Temporary (FTE)	85.36	82.35	79.41	82.37

Table 9.2.3. Support staff of the veterinary programme

Type of contract	2020	2019	2018	Mean
Permanent (FTE)	22	22	23	22.33
Temporary (FTE)	25	16	16	19
Total (FTE)	47	38	39	41.33

Table 9.2.4. Research staff of the Establishment

Type of contract	2020	2019	2018	Mean
Permanent (FTE)	45	46	36	42.33
Temporary (FTE)	41	34	34	36.33
Total (FTE)	86	80	70	78.66

In the next 3 years, it is aimed to increase the number of all academic staff by 10% and support staff by 5%, primarily in the departments that need academic staff (Genetics, Deontology, Livestock Management, and Economics, Biometrics, Reproduction and Artificial Insemination, etc.).

During the academic staff recruitment and appointment process, the procedure is initiated with a written request sent by the Rectorate to the Deans. The Dean's Office receives the finalized requests of the department/departmental presidencies. Demands discussed in the faculty board of directors are notified to the rectorate by the Dean's office. Requests deemed appropriate by the Rectorate are submitted to YÖK for approval. An announcement is published in the Official Gazette for recruitment to the positions deemed appropriate as a result of the evaluations. According to the application conditions determined in these announcements, the applications of the candidates are received and the process is completed by taking into account the "Requirements and Practice Principles for the Application to Atatürk University Faculty Membership" prepared for the appointment of academic staff.

Support personnel is employed under Articles 4/A, 4/B, 4/C of the Civil Servants Personnel Law No. 657. Administrative and support personnel must have competencies related to the service being carried out. Support personnel assigned for the first time are called nominee officers. Candidate civil service period cannot be less than 1 year or more than 2 years. Candidate personnel is subjected to basic training by ATAU Rectorate Personnel Department. It is necessary to take this training to be appointed as a nobility.

9.3. Opportunities and improvements for staff to develop and extend their teaching and assessment knowledge and improve their skills

Academic staff uploads their national and international scientific publications, oral or poster presentations, book authorship, research projects, national and international citations to their publications, scientific awards, and patents they have done, to the YÖK information system created by YÖK. Transfers relevant information to Atatürk University's Academic Incentive Allowance Process Management System department and applies to benefit from academic incentives after scoring. Applications are examined at the Faculty/Department level, at the Unit Academic Incentive Application and Review Commission, and the University's Academic Incentive Application and Review Commission. After the evaluation, incentives calculated according to the performance score are paid monthly. Academic staff also upload their scientific data to ATAU Academic Data Management System and this data can be seen by all stakeholders (Appendix 7) (*https://avesis.atauni.edu.tr/*).

Each publication of academic staff published by the Turkey-Addressed International Scientific Publications Incentive Program is given an incentive by TÜBİTAK. These incentive amounts are determined by the journal's score calculated according to a certain method and the document type and weight of the publication in the Web of Science Core Collection databases.

9.4. Contribution of staff to the Establishment's direction and decision-making processes and promoting the staffs

Through ATA TEKNOKENT, the unit affiliated to the Rectorate, academic staff were given the opportunity to establish a company. This company, which was founded by academic staff,

aims to develop competitive products in national and international markets, to increase current product quality and standards, to increase productivity, reduce production costs, and create investment opportunities, with its R&D studies. Again, from the consultancy service revenues offered at the sectoral level, payments can also be made to the academic staff through circulating funds.

9.5. Description of the formal system of the Establishment for the assessment of teachers by students and its outcome

At the end of each semester, the adequacy of the academic staff is evaluated by the questionnaire evaluation system in ÖBS. Again, at the end of each semester, ATAU ECTS Workload Determination Questionnaire is also evaluated by the students, and all the time spent by the students for the relevant course and the student workload are calculated. A faculty member is appointed as an advisor for a certain number of students by the Dean's Office. The advisor communicates with the student about course selection, ensuring course success, solving motivation, concentration, and other problems of the students. In addition, student representatives in each class can convey all kinds of issues related to education and training to the Dean's Office. Suggestions, opinions, and thoughts of the Students and Student Representatives are taken into consideration by the Management.

Comments on Standard 9

In some departments of our faculty, the number of academic staff per student and the number of support staff should be increased. Our faculty, located in Erzurum, which is one of the important livestock centers, provides important services with its young and dynamic staff. Research with external stakeholders is good.

Suggestions for improvement on Standard 9

The incentive system of academic staff needs to be updated and improved. The results of the questionnaires completed by the students for each course at the end of the semester should be discussed with the faculty board and necessary precautions should be taken regarding the courses in which deficiencies are observed. The number of research personnel and technical personnel should be increased. Collaborations and visits with international institutions, faculties, and centers should be expanded.

Atatürk University

Faculty of Veterinary Medicine

Standard 10.

Research programmes, continuing and postgraduate education

10. Research programmes, continuing and postgraduate education

10.1. Research activities by the staffs

At ATAU, the processes related to the evaluation of scientific research project proposals, managed by faculty members and researchers, are carried out by the BAP of the Rectorate. (http://bap.atauni.edu.tr). Offices serving in this unit have been established. Scientific Research Project Processes management system (https://bapsis.atauni.edu.tr/Default2.aspx), Outsourced Project Process Management System (https://dapsis.atauni.edu.tr/DefaultPage.aspx), Project Support Office (http://pdo.atauni.edu.tr/). Automation infrastructures and legislation have been established to ensure that all processes of the research, which started with the project proposal, can be carried out in a transparent, healthy, and fast manner. 13 different types of projects classified according to field and subject differences are supported with different budget limits. Of these project types; Students can participate in Postgraduate Thesis Projects, Undergraduate Student Participation Research Project, Research Initial Support Project, and Congress and Symposium Organizing Project types.

As a result of the scientific evaluation process, the BAP unit can apply a high budget limit for research projects. (https://bapsis.atauni.edu.tr/Default2.aspx). Project support for 2020 is approximately 5 million Euros.

Most of the research projects carried oxut in our faculty are supported by the above-mentioned unit. The supports provided for the last 3 years are given in detail in section 2. Current project data can be accessed from the link (https://bapsis.atauni.edu.tr/BapRaporlari2.aspx).

Undergraduate education course contents are regularly updated by using the latest books, articles, case reports, and similar publications published by the academic staff. The data of the projects carried out by the academic staff are transferred to the students in clinical training and courses. Undergraduate and graduate students can participate in all kinds of research activities coordinated by the academic staff of the faculty. They also present their research results at national and international symposiums and congresses.

Table 10.1.1. List of major research programs funded at the Institution that have been ongoing during the last full academic year before the visit (2020)

Special topic	Number of Projects	Income/ Year (TL)	Duration (Year)	Mean
TÜBİTAK	1	45.000,00	1-3	42.33
BAP	36	4.211.593,02	1-3	36.33
DAP	3	2.957.000,00	1-3	78.66

10.2. Participation of the students to the research activities

During undergraduate education, students can work as faculty, research and practice farm, VTH, etc. He participates in evidence-based practice courses such as laboratory experiments, necropsy, cadaver training, and histopathological examinations in the fields. Our veterinarians, who have graduated, carry out postgraduate or doctorate education as a requirement of lifelong learning.

Undergraduate students are encouraged to participate in research programs on a non-mandatory basis. Students are given the opportunity to develop themselves in the execution of the current projects of the faculty members and the development of new projects. In addition, there is a support program by the BAP unit under the title of "Research Project with Undergraduate Student Participation".

Students participate in research-based compulsory veterinary education such as "Graduation Thesis" and "Seminar Presentation" determined by advisor faculty members in the 10th semester. In this process, the student searches for basic information about the given topic and gains basic teachings about writing scientific articles by using research techniques and databases. To complete the undergraduate program, students are required to present a seminar and prepare a graduation thesis.

Faculty students must meet the following conditions to present their thesis:

- To be approved by the advisor and the dean of the dissertation topic
- To be announced on the Faculty website by specifying the name, place, and time of the presentation.

The graduation thesis is evaluated by 3 faculty members including the advisor and checked in a plagiarism prevention program. The successful/unsuccessful decision is reported to the Dean.

10.3. Postgraduate programmes by the departments in the Establishment

Postgraduate education programme (MSc, PhD): Graduate programs are conducted by ATAU Institute of Health Sciences. For the MSc, a department is required to have a minimum of three faculty members including at least two professors and / or associate professors. For PhD, six faculty members, including at least two professors are required. In case one of them is a professor, a minimum total of six faculty members in the university staff including at least two associate professors are required. The general principles of the graduate education, the admission of the students, the approval, control and evaluation of the projects are defined in detail in the ATAU Graduate Education Regulation. The projects of MSc and PhD students are approved by the ATAU Graduate School of Health Sciences board of directors and projects are generally financed by the BAP. 14 MSc programs and 13 PhD programs are conducted within the Institute of Health Sciences. As of 2020, there are 132 registered MSc students and registered 79 PhD students.

Table 10.3.1. Number of students registered at postgraduate clinical training

	2020		2019		2018		Mean	
(Masters and PhD level)	Registered	Graduated (MSc/PhD)	Registered	Graduated (MSc/PhD)	Registered	Graduated (MSc/PhD)	Registered	Graduated (MSc/PhD)
Internal Medicine	14	2	15	1	16	1	15	1.33
Surgery	17	1	11	2	8	4	12	1.33
Obstetrics and Gyneacology	13	1	5	1	5	1	7.67	1
Total	44	4	31	-	29	6	34.67	3.67
Total PhD Graduated	3		-		4		2.33	
Total MSc Graduated	1		4		2		2.33	

There is no intern education in the graduate curriculum.

Table 10.3.2. Number of students registered at postgraduate research training

	2020		2019		2018		Mean	
(Masters and PhD level)	Registered	Graduated (MSc/PhD)	Registered	Graduated (MSc/PhD)	Registered	Graduated (MSc/PhD)	Registered	Graduated (MSc/PhD)
Basic Sciences								
Anatomy	11	2	6	1	17	1	11.33	1.33
Biochemistry	13	-	10	4	19	4	14	2.67
Physiology	12	-	13	-	10	2	11.67	0.67
Pre-Clinical Sciences								
Parasitology	6	1	6		7	2	6.33	1
Microbiology	9	-	5		-	-	7	-
Pathology	11	1	9	2	15	2	11.67	1.67
Food Hygiene and Technology								
Food Hygiene and Technology	34	4	28	1	32	4	31.33	3
Zootechnics and Animal Nutrition								
Animal Nutrition and Nutritional Diseases	22	-	11	-	26	8	19.67	2.67
Zootechnics	14	-	9	1	14	2	12.33	1
Total	132	8	97	9	140	25	118.33	14
Total PhD Graduated	4		6		7		5.67	
Total MSc Graduated	4		3		18		8.33	

Table 10.3.3. Number of students registered at other postgraduate programmes in the Establishment but not related to either clinical or research work (including any external/distance learning courses)

In this context, there are no students

Table 10.3.4. Number of attendees to continuing education courses provided by the Establishment

Courses	2020	2019	2018	Mean
Experimental animal use certificate training program	1	1	1	1
Artificial insemination course with recto - vaginal method in cattle	4	1	1	2

FVMATAU's quotas for 2021-2022 fall semester graduate programs outlined below shed light on the probable number of students who will enroll in graduate programs for the next 3 academic years.

Departments	MSc	PhD
Internal Medicine	24	19
Surgery	20	11
Obstetrics and Gyneacology	24	19
Reproduction and Artificial Insemination	12	-
Anatomy	24	14
Biochemistry	30	24
Physiology	28	22
Parasitology	28	18
Microbiology	28	19
Pathology	+	15
Virology	14	15
Food Hygiene and Technology	28	22
Animal Nutrition and Nutritional Diseases	32	21
Zootechnics	29	14

The clinical practices and education of undergraduate and graduate students are carried out under the supervision and coordination of the relevant faculty members. There is strong hierarchical communication between undergraduate and graduate students. Contrary to potential conflicts, this may help undergraduate and graduate students gain a different perspective on their clinical work. Together they learn decision-making and consultation techniques. In our faculty, "artificial insemination courses with recto-vaginal method in cattle" and "reproductive ultrasonography courses in cattle" are organized for veterinarians. Again, the "experimental animal use certificate training program" is carried out for academicians, veterinarians, and other related professions. With the "Provision of Mobile Animal Health, Polyclinic and Education Services Project" by our faculty, information is constantly exchanged with external stakeholders and training and practices are carried out for the needs of local villagers and farmers. Within the scope of the

"Prevention of Calf Diseases Project", training was given to breeders on hygiene, care and feeding, reproduction, udder health, and rearing in barn conditions. In addition, health services were provided to sick calves within the scope of the project.

Within the scope of the "Organic Livestock Training Program", freelance agricultural consultants from Erzurum, Kars, Muş, and Bingöl were trained. In the conference titled "Calf Deaths and Bovine Brucellosis", information was given to the breeders on the prevention of calf deaths and cattle brucellosis, which cause significant losses in livestock production in the region, and significant contributions were made to the sustainable livestock breeding of our region.

10.4. Organisation of the research activities

Academic Performance Score is calculated with the help of the Academic Performance Evaluation Process Management System (https://atauni.edu.tr/akademik-performans-degerlendirme-raporu-veogretim-elemanlari-performans-puanlari-aciklandi).

The faculty has a quality assurance policy that forms part of its strategic management, with methods for evaluating teaching objectives, student performance, and research objectives. Regarding research objectives, the Faculty requests an annual self-evaluation report from each faculty member. Research activity is taken into account in the overall evaluation and the creation of points according to teaching, research, publishing, and social activities at the University. Educational processes at FVMATAU are monitored by the Faculty Education and Training Commission and the Faculty Board. It organizes the undergraduate education curriculum according to the decisions of the National Core Education Program in Veterinary Medicine Education and European requirements. Include sufficient theoretical and practical teaching credits in course modules; creates new courses and specialization programs. The existence of international collaborations and programs, including exchange programs between FVMATAU and other universities in the ERASMUS program, Socrates projects, and other programs, provide opportunities for student and staff training.

With the funds provided by the BAP, the teaching and research units were improved. In addition, equipment for teaching and research activities was purchased with the funds provided by TÜBİTAK, DAP, and TANAP-SEIP. For this purpose, modern infrastructure has been provided and research-based undergraduate and postgraduate education has been carried forward by carrying out the projects Autovac Vaccine Development, Embryo Production and Transfer in Cattle, Provision of Mobile Animal Health, Polyclinic and Educational Services in the Rural.

Comments on Standard 10

FVMATAU is a strong institution in terms of research infrastructure, research personnel, and budget resources. In particular, it provides resources for the University's BAP unit and TÜBİTAK research projects. Research activities are carried out by a team of undergraduate students, graduate students, and faculty members. Faculty academic staff actively participate in international congresses and exhibitions to promote our faculty.

Suggestions for improvement on Standard 10

The faculty should strengthen its cooperation and communication with funding institutions in meeting its financial resource and research needs. In addition, faculty and doctoral students should be encouraged to apply for national and international research grants to enhance their education and research activities.

ESEVT Indicators

ESEVT Indicators

	Raw data from the last 3 full academic years	2020	2019	2018	Mean
1	n° of FTE academic staff involved in veterinary training	89	79	74	80.67
2	n° of undergraduate students	495	441	416	450.67
3	n° of FTE veterinarians involved in veterinary training	80	70	65	71.67
4	n° of students graduating annually	64	71	54	63
5	n° of FTE support staff involved in veterinary training	47	38	39	41.333
6	n° of hours of practical (non-clinical) training	1232	1232	1232	1232
7	n° of hours of clinical training	882	882	882	882
8	n° of hours of FSQ and VPH training	742	742	742	742
9	n° of hours of extra-mural practical training in FSQ and VPH	0	296	144	146.667
10	n° of companion animal patients seen intra-murally	4406	4895	1450	3583.667
11	n° of ruminant and pig patients seen intra-murally	1179	3147	230	1518.667
12	n° of equine patients seen intra-murally	54	104	6	54.667
13	n° of rabbit, rodent, bird and exotic patients seen intra-murally	329	525	121	325.0
14	n° of companion animal patients seen extra-murally	2	0	0	0.7
15	n° of individual ruminants and pig patients seen extra-murally	128	699	24	283.7
16	n° of equine patients seen extra-murally	0	1	0	0.3
17	n° of visits to ruminant and pig herds	88	471	12	190.3
18	n° of visits to poultry, rabbit, fish and bee units	0	1	0	0.3
19	n° of companion animal necropsies	46	18	10	24.7
20	n° of ruminant and pig necropsies	55	11	17	27.7
21	n° of equine necropsies	1	0	1	0.7
22	n° of rabbit, rodent, bird and exotic pet necropsies	32	6	11	16.3
23	n° of FTE specialised veterinarians involved in veterinary training	62	56	55	57.7
24	n° of PhD-students graduating annually	7	6	11	8.0

Calculated Indicators from raw data		Establishment Values	Median Values	Minimal Values	Balance
I1	n° FTE academic staff involved in veterinary training / n° undergraduate students	0.179	0.16	0.13	0.0530
I2	n° FTE veterinarians involved in veterinary training / n° students graduating annually	1.138	0.87	0.59	0.548
I3	n° of FTE support staff involved in veterinary training / n° of students graduating annually	0.656	0.94	0.57	0.0900
I4	n° of hours of practical (non-clinical) training	1232.000	905.67	595.00	637.000
I5	n° of hours of clinical training	882.000	932.92	670.00	212.000
I6	n° of hours of FSQ and VPH training	742.000	287.00	174.40	567.600
I7	n° of hours of extra-mural practical training in FSQ and VPH	146.667	68.00	28.80	117.867
I8	n° of companion animal patients seen intra-murally / n° of students graduating annually	56.884	70.48	42.01	14.874
I9	n° of ruminant and pig patients seen intra-murally / n° of students graduating annually	24.106	2.69	0.46	23.642
I10	n° of equine patients seen intra-murally / n° of students graduating annually	0.868	5.05	1.30	-0.430
I11	n° of rabbit, rodent, bird and exotic patients seen intra-murally / n° of students graduating annually	5.159	3.35	1.55	3.614
I12	n° of companion animal patients seen extra-murally / n° of students graduating annually	0.011	6.80	0.22	-0.213
I13	n° of individual ruminants and pig patients seen extra-murally / n° of students graduating annually	4.503	15.95	6.29	-1.792
I14	n° of equine patients seen extra-murally / n° of students graduating annually	0.005	2.11	0.60	-0.590
I15	n° of visits to ruminant and pig herds / n° of students graduating annually	3.021	1.33	0.55	2.474
I16	n° of visits to poultry, rabbit, fish and bee units / n° of students graduating annually	0.005	0.12	0.04	-0.039
I17	n° of companion animal necropsies / n° of students graduating annually	0.392	2.07	1.40	-1.008
I18	n° of ruminant and pig necropsies / n° of students graduating annually	0.439	2.32	0.97	-0.531
I19	n° of equine necropsies / n° of students graduating annually	0.011	0.30	0.09	-0.082
I20	n° of rabbit, rodent, bird and exotic pet necropsies / n° of students graduating annually	0.259	2.05	0.69	-0.433
I21	n° of FTE specialised veterinarians involved in veterinary training / n° of students graduating annually	0.915	0.20	0.06	0.852

Comments on Indicators

Some indicators are below EAEVE Minimal values. (I10, I12, I13, I14, I16, I17, I18, I19, I20). It is thought that these values remain below the minimum values of EAEVE due to the dramatic increase in the number of students. YÖK allows up to 30% of the total number of students in each class to horizontal pass from other faculties. This situation caused the number of students to be higher than requested. Although the companion animal patients came to the VTH from the surrounding provinces, the companion animal patients seen intra-murally/n° students graduating annually indicator remained insufficient.

Also the same can be said for equine, rabbit, and exotic pet patients. These conditions also negatively affect the number of necropsies.

Considering all ESEVT indicators as a whole, FVMATAU can be said to be strong especially in the ruminant indicators as a fact of animal husbandry in our region and it is in a continuous improvement trend in the in-house companion animal indicators.

Suggestions for improvement on Indicators

The faculty takes various measures in order to correct the negative balances in the indicators. In order to increase the indicators related to equine animals, the number of horses in our Equestrian Facility should be increased. The socio-cultural and religious realities of our region prevent the ESEVT indicators related to pigs to reach the desired limits.

Glossary

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AGNO : Weighted Grade Point Average
ATADEM : Atatürk University Medical Experimental Application and Research Center
ATAU : Atatürk University
ATAUCL : Atatürk University Central Library
AYT : The Second Step, Field Qualification Exam
BAP : Scientific Research Projects Coordination Unit
DAP : Ministry of Industry and Technology, Eastern Anatolia Project Administration
DAYTAM : Eastern Anatolian High Technology Application and Research Center
DBS : Lecture Information System
EAEVE : European Association of Establishments for Veterinary Education
ECTS : European Credit Transfer System
EPT : External Practical Training
ESEVT : European System of Evaluation of Veterinary Training
ESG : European Standards and Guidelines
EU : European Union
EVET : The Application are Processed in the Patient Registration System
FVMATAU : Faculty of Veterinary Medicine Atatürk University
GHUAM : Food and Livestock Application and Research Center
KBL : Clinical Skills Laboratory
MSc : Master of Science
ÖBS : Student Information System
ÖSYM : Student Choosing and Placement Center
PhD : Doctor of Philosophy
QA : Quality Assurance
SOP : Standard Operating Procedure
TBMM : The Grand National Assembly of Turkey
TANAP : Trans-Anatolian Natural Gas Pipeline Project
TÜBİTAK : Scientific and Technological Research Council of Turkey
TYT : Basic Qualification exam
TYYÇ : Turkish Higher Education Qualifications Framework
VEDEK : Association for Evaluation and Accreditation of Educational Institutions and Programs of Veterinary Medicine
VTH : Veterinary Teaching Hospital
YORDAM : Library Automation Information and Document Access
YÖK : Council of Higher Education

List of appendices

List of appendices

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