UNIVERSITÀ DI PARMA

DEPARTMENT OF VETERINARY SCIENCES

Re-visitation Self-Evaluation Report







EAEVE
European Association of Establishments for Veterinary Education

EAEVE Re-visitation
7-9th April 2024

Contents

Introduction

The UniPr VEE underwent ESEVT full visitation from the 18th to the 22nd of September 2023. The Visitation team identified 8 commendations, 8 minor deficiencies and 2 major deficiencies. The recommendation to ECOVE was for the status of "pending accreditation".

Commendations included:

- excellent interaction between students and staff;
- highly motivated undergraduate and postgraduate students;
- efficient collaboration with the food-producing sector;
- excellent teaching staff-to-student ratio during practical and clinical training;
- excellent practical training in FSQ in the bovine slaughterhouse;
- important investment in the renovation of clinical facilities;
- efficient tutoring system for the preparation of the exams and for the remediations;
- well-designed pilot initiative to introduce performance-based assessment in one clinical unit.

The VEE was considered to be **partially compliant** with Standards:

- 3.1.4. because of suboptimal clinical training in ruminants;
- 3.1.5. because of suboptimal FSQ practical training in poultry;
- 3.4. because of suboptimal alignment of some teaching activities, e.g. anatomy, diagnostic imaging and surgery;
- 4.3. because of suboptimal separation in the equine stables between teaching animals and patients;
- 4.9. because of suboptimal posting of biosecurity rules in clinical and laboratory facilities;
- 5.1. because of suboptimal number of bovine and equine necropsies;
- 5.4. because medical records for extramural patients are not systematically maintained in an effective retrieval system;
- 9.3. because of a suboptimal system of rewarding teaching excellence.

The VEE was considered **not compliant** with Standards:

- 3.1.3. because of insufficient clinical training in the equine species, which may affect the acquisition of some D1C by all students;
- 9.1. because of non-compulsory formal training to teach and assess for staff involved with core teaching.

The VEE immediately began correction of the major deficiencies and the putting into place of an ongoing process to correct the Minor Deficiencies.
On December 11th, 2023, ECOVE confirmed the Visitation team's recommendation for pending accreditation. The VEE submitted a request for re-visitation on December 13th, 2023. The formal re-visitation agreement was signed by the VEE on 12 January 2024.

In the present Re-visitation Self Evaluation Report (RSER), we provide evidence that the Major Deficiencies identified during the Visitation have been corrected and that an ongoing process to correct the Minor Deficiencies is in place.

Finally, we provide several documents as appendixes with supporting evidence to changes that have been implemented and/or planned.

Correction of Major Deficiencies

Major Deficiency 1: Non-compliance with Standard 3.1.3. because of insufficient clinical training in the equine species, which may affect the acquisition of some D1C by all students.

Factual information.
Immediately following the ESEVT Full visitation in September 2023, and based on the ESEVT Visitation Team's Final Report (draft C), the EAEVE Committee met to discuss the proposals for correction of the Major Deficiency (from the Final Report: "*The teaching days devoted to clinical training in equine clinics are inadequate. However, with the recent recruitment of a highly qualified equine surgeon and the opening of the new equine clinic, the clinical case accession in the core curriculum will likely greatly improve in the near future")*. The EAEVE committee met with academic staff members responsible for year V Core Clinical Training (CCT), including the recently hired Full Professor in Equine Surgery, and with the VTH Management Committee. Proposals were then submitted to the DCVM and DVS Boards for discussion and approval.
Year V CCT in equines has now been potentiated to include:

- first semester (starting September 2024): each student will spend a further 4 days during "Orientamento" in Equine Medicine, Surgery and Reproduction (2 days in Surgery, 1 day in Internal Medicine, 1 days in Obstetrics);
- second semester CCT ("Tirocinio"; started January 2024): activity has been restructured to include rotations in Equine Medicine, Surgery and Reproduction for a total of 10 days per student (5 days in Surgery, 2 days in Internal Medicine, 3 days in obstetrics).

All activities are intramural, under the supervision of academic and contracted teaching staff and involve at least 2 students per day.
The students' daily activities start at 8.15 with clinical rounds of hospitalized patients including physical examination and therapy administration performed by students under tutor supervision. Each clinical case is discussed and variation in diagnostic and therapeutic plan are evaluated. Activities continue with specialist services (surgical, medical or obstetric services) and/or with the management of emergencies. Students record all data regarding the clinical cases in the electronic system "Fenice".

Activities for **equine internal medicine** include how to safely approach and handle patients during clinical examination (D1C 1.17) and assist the clinician in collecting anamnesis and setting clinical records (D1Cs 1.7, 1.16). Students assist the clinician in collecting different biological samples, using venipuncture, urethral catheterization, fine needle aspiration, catheter and needle for peritoneal fluid and joint tap. Students are involved in the placement of intravenous catheter, medical assistance of colic animals, medical foot care management. Students assist the clinician during clinical examination and carry out common clinical procedures (vaccination, deworming). They are exposed to the communication process with owners (D1C 1.5), and they familiarize themselves with the electronic prescription system (D1C 1.27). Students learn the use of on-site testing (e.g. lactate, etc.) and rapid screening test.

Rotations in **equine reproduction** are related to clinical activities during the equine breeding season. Students participate and are trained in reproductive evaluation of stallions and mares (D1Cs 1.15, 1.16, 1.17); students perform trans-rectal palpation (D1C 1.23) and participate in collecting, evaluation, dilution of stallion semen and preparing doses for AI (D1C 1.21).

Activities in **equine surgery** include assistance of surgical procedures as soft tissue, laparotomy, castration, arthroscopy, podology, orthopedics, wound repair, endoscopic procedures (gastroscopy, cystoscopy, bronchoscopy) and ophthalmological surgeries (D1Cs 1.8, 1.30). Students also participate in oncological surgeries (sarcoid and melanomas, etc.) and assist in surgical colic management including post colic intensive care. Students discuss with the veterinary anesthetist the anesthesia protocol, practice vascular access and intubation and perform patient perioperative monitoring (D1C 1.31). Students are taught the basic principles of thoracic and abdominal ultrasound, echocardiography, radiography, MRI and endoscopy by assisting the clinical staff in the procedure and discussing the results. Students learn the pain management therapy (D1C 1.32).
Students are trained in biosecurity procedures and are actively involved in the maintenance of biosecurity standards, especially in relation to infective patient isolation (D1C 1.29).
Since the start of the current a.y. the emergency clinical service in equines is no longer carried out by external practitioners but is completely set up intramurally so that students are involved in hands-on activities on patients requiring hospitalization and/or emergency clinical cases. They take part in nursing activities of hospitalized patients (D1C 1.20) under the supervision of staff and calculate the dose of drugs and fluid requirements and help in administering them (D1C 1.19). Students record daily activities in their CCT case log and in the CCT diary.

All patients are registered in the "Fenice" patient recording system. Records are related to patients visited at the VTH (internal medicine and surgery), lab specimens submitted from local practitioners to the VTH for clinical pathology, parasitology, pathological anatomy and infectious diseases. Semen collected during the stud season and subsequent sales are also recorded.
Since recruitment of a full professor in equine surgery (September 2023), the clinical activities described above have been markedly potentiated. From September 2023 to January 2024, a total of 52 equine patients have been visited intramurally, including 23 cases in surgery, 8 in internal medicine, 7 in ophthalmology, 3 in orthopaedics and 11 cases in podology. All activities involve students in year V CCT and student interns.

Comments
As reported in the Full Visitation SER, during the last three academic years the VEE strove to compensate for the suboptimal intramural activity in equines through agreements with contracted practitioners and extramural activity at the "Siccomonte Equine Centre". However, extramural activity was limited to 5 days and intramural activity was not organized to guarantee core training for all students. As foreseen by the ESEVT Full Visitation Team, the recent recruitment of a highly qualified equine surgeon (Full Professor) has led to a significant increase in intramural equine case load and clinical teaching activity and students now carry out CCT exclusively intramurally.
Furthermore, agreements with external foundations for research and educational purposes are planned to start in the near future.
The number of equine patients visited at the VTH is steadily increasing, allowing marked improvement of teaching and assessment of D1Cs in equines. Of the 68 cases in 2023, 37 of these were admitted from September-December and, in the single month of January 2024, a further 15 patients were admitted. The stud season continues to offer training in equine reproduction and the increase in diagnostic services for external colleagues is indicative of growing awareness among the profession of equine services available at the VTH.

Service	**2023**	**January 2024**
Intramural patients	68	13
Diagnostic services/biological samples	29	4
Stud Season semen samples	44	n.d.

1. Correction of Major Deficiencies

To guarantee adequate functioning of equine clinical services, the VTH management committee has hired two contracted equine practitioners (orthopaedics and anaesthesia) and two junior staff members (interns in equine medicine and surgery). A tenure-track position (*Temporary Researcher, type B**), a position for Junior staff and a position for support staff have all been programmed for 2024.

Finally, funding for the new Equine clinic has been approved by the UniPr Board of Administration (see Minor 2.4).

**three year contract that leads to the position of Associate professor following obtainment of the national Scientific Abilitation*

1.2. Major Deficiency 2: Non-compliance with Standard 9.1 because of non-compulsory formal training to teach and assess for staff involved with core teaching.

1.2.1. Factual information

Immediately following the ESEVT Full visitation in September 2023, and based on the ESEVT Visitation Team's Final Report, the EAEVE Committee met to discuss the proposals for correction of the Major Deficiency (from the Final Report: *It is suggested to develop:*
-) a formal training to teach and to assess for all staff involved in core teaching; -) regular continuing education sessions focusing on new teaching and assessment methods).
As reported in the Full Visitation SER, pedagogical training is available, highly recommended, but not compulsory for teaching staff. The EAEVE Committee has now identified existing courses already available (transversal) and have developed specific training modules for teaching staff. The DCVM and Department of Veterinary Sciences (DVS) boards have approved compulsory attendance to these courses for DVS academic, support and Junior staff, while contracts for non-academic teaching staff and contracted practitioners in the VTH have been modified to include the obligation to attend the courses. Elective Practical Training (EPT; "Orientamento") providers will receive the training material when signing the EPT agreement with the DVS (beginning summer 2024).

Training is divided into two levels and has been developed in collaboration with the UniPr IT service and the UniPr Working Group for the Development of University Teaching. Attendees must register for online training using their UniPr credentials. A certificate of attendance is generated following completion of online courses and assessment based on MCQs. Attendance to onsite seminars (advanced level) is certified by the head of the DVS.

Level 1 Training. This online course must be completed by all involved in core teaching (academic staff, non-academic teaching staff, Support staff, Junior staff (including PhDs), contracted practitioners in the VTH, EPT providers). The course includes the following modules:

- ESEVT Day One Competencies (Prof. L. Kramer, EAEVE Committee Coordinator);
- European Code of Good Clinical Practice (Prof. S. Bertini, Biosecurity and Animal Welfare Committee Coordinator);
- Evidenced-based Veterinary Medicine (Prof. A. Corsini, EBVS® Veterinary Specialist in Small Animal Internal Medicine, UniPr VTH);
- Practical and Clinical Teaching and Assessment (Prof. Giacomo Gnudi, Diagnostic Imaging, UniPr VTH);
- Biosecurity in the Clinical Context (Prof. S. Bertini, Biosecurity and Animal Welfare Committee Coordinator);
- UniPr Code of Conduct (Prof. Maria Giovana Greco, Department of Law, UniPr).

Level 2 Training. These courses must be attended by all academic staff. Training includes online modules and onsite seminars.
Online modules:

- Designing the educational intervention (Prof. D. Robasto, Dept. of Philosophy and Educational Science, University of Turin);
- What to monitor in the Syllabus (Prof. D. Robasto, Dept. of Philosophy and Educational Science, University of Turin);
- The Dublin descriptors (Prof. D. Robasto, Dept. of Philosophy and Educational Science, University of Turin);
- *New forms of communication and interaction between students and teachers for university teaching. (Prof. M Varotto, Dept. of Biology, University of Padua);

- *_One Health_: the link between man, animal and environment in a perspective of communicative inter-disciplinarity and innovative teaching. (Dr. P Zucca, Director Health Services, Region of Friuli-Venezia-Giulia and Dr. S. Bronzwaer, Executive Director, European Food Safety Authority).

* These activities were organized by the UniPr Working Group for the Development of University Teaching, held onsite in March and May of 2023 and now available online.

Onsite Seminars
"Who do we teach? Expectations, misunderstandings and possibilities in the process of teaching-learning at the University". Prof. A. Pintus, Dept. of Humanities, University of Parma.
Held on December 14, 2023, at the DVS.

The training seminar entitled "Digital tools and artificial intelligence in teaching and assessment" has been scheduled for 2024.

1.2.2. Comments
According to the ESEVT Full Visitation final report "*Teachers do not feel motivated to be trained in pedagogical methods such as teaching and assessing learning*". The VEE is now committed to increasing awareness of the importance of continuous professional development to all those involved in teaching and assessment and will continue to offer similar training opportunities to those described above. The VEE is confident that both staff and students will benefit.
The decision of the DCVM and DVS Boards to make pedagogical training compulsory was an essential step forward; members of the academic staff who have not completed training cannot be included in the evaluation for rewarding of excellence in teaching (see Minor Deficiency 2.8 below).
Training for the current a.y. must be completed by all relevant staff by Feb 29th, 2024.
Attendance certification will be available during the onsite visitation.

Correction of Minor Deficiencies

2.1. Minor Deficiency 1. Partial compliance with Standard 3.1.4 because of suboptimal clinical training in ruminants.

2.1.1. Factual information

According to the ESEVT Full Visitation final report "*The training in FPA is not ideally balanced between individual cases of medicine, surgery, reproduction and herd health management for all students. It is suggested to enhance and better structure the teaching and assessment activities in both bovine individual medicine and herd health management, in alignment with well-defined learning outcomes in this discipline*."

As reported in the ESEVT Full Visitation SER, CCT in bovines is currently carried out with academic teaching staff in bovine reproduction and gynaecology and with non-academic teaching staff (practitioners contracted by the VEE) in bovine medicine and herd health management. The Visitation Team felt that teaching activities with practitioners had greater emphasis on reproduction than on other aspects of bovine clinical areas. The Team also felt that the lack of formal training in teaching outcomes and assessment has led to suboptimal acquisition of D1Cs in bovines.

Immediately following the ESEVT Full visitation in September 2023, the EAEVE Committee met with all currently recruited practitioners and academic staff and discussed possible strategies to correct the Minor Deficiency, including:

- beginning each farm visit with a herd health management session before moving onto individual patient visits. In this way, the same practical setting can be used for both herd and individual case training. This would also allow correction of indicator 12 ("*n° of visits to ruminant and pig herds /n° of students graduating annually*"), which is currently under the ESEVT minimum value;
- recording the details of all herd health and individual patient visits in the clinical case registration app (see Minor Deficiency 7), allowing retrieval and consultation on the part of all students;
- aligning teaching activities with D1Cs including, but not limited to: D1C 1.17 *"Handle and restrain animal patients safely and with respect of the animal, and instruct others in helping the veterinarian perform these techniques";* D1C 1.21 *"Assess the physical condition, welfare and nutritional status of an animal or group of animals and advise the client on principles of husbandry, feeding, reproduction, production, welfare, individual health, herd health and public health*"; D1C 1.22 *"Collect, preserve and transport samples, select appropriate diagnostic tests, interpret and understand the limitations of the test results"*; D1C 1.24 *"Use basic diagnostic equipment (i.e. ultrasound) and carry out an examination effectively as appropriate to the case, in accordance with good health and safety practice and current regulations";* D1C 1.25 *"Recognise signs of possible notifiable, reportable and zoonotic diseases as well as abuse of animals and take appropriate action, including notifying the relevant authorities*";
- requiring formal training (Level 1) for contracted practitioners as a binding condition of their contracts (see Major Deficiency 2).

2.1.2. Comments

The VEE has implemented the above strategies beginning in the second semester of the current academic year (29 January, 2024). Meetings with non-academic teaching staff in ruminant medicine

and academic staff are scheduled at the end of each training period to receive feedback and suggestions for improvement.

2.1.3. Suggestions for improvement

The predominance of activity in reproduction is most likely due to the nature of the practitioners' daily activities in dairy cattle and to the suboptimal training they receive on learning outcomes and D1Cs to be acquired. The VEE will continue to monitor clinical cases and feedback from both students and teaching staff to assure a more equal distribution of clinical activity in the different areas.

2.2. Minor Deficiency 2. Partial compliance with Standard 3.1.5 because of suboptimal FSQ practical training in poultry.

2.2.1. Factual information.

According to the ESEVT Full Visitation final report "*There is no organisation of practical FSQ training in poultry meat inspection at slaughterhouses, as well as no alternative teaching material available for AM and PM poultry inspection. There is no physical nor virtual visit to a poultry slaughterhouse. It is suggested to establish a collaboration between the units of pathology, avian pathology, and FSQ to optimise the use of teaching material and student training. It is suggested to establish a broader peer network in FSQ in order to further critically reflect and adapt course content towards D1C and address future challenges in veterinary public health.*"

Immediately following the ESEVT Full visitation in September 2023, academic teaching staff in FSQ sought solutions to correct the Minor Deficiency, including:

- the development of a virtual visit to a poultry slaughterhouse, in collaboration with Amadori, the leading poultry industry in Italy; the video is now used during the course in Food Inspection in year IV and will be used during year V CCT (academic year 2023-2024), thus filling the gap from the previous year;
- the optimization of the use of material of poultry origin; the courses in Food Inspection and Avian Pathology are both taught in the first semester of year IV. Teaching staff have agreed to carry out practicals together on the approximately 70 poultry cadavers used each year in Avian Pathology.
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2.2.2. Comments

The poultry slaughtering video was shown to year IV students in December 2023. They had already attended lectures on ante- and post-mortem examination in poultry and the video gave them a more realistic view of the slaughtering practice.

2.2.3. Suggestions for improvement

A physical visit to a poultry slaughterhouse could replace the video on poultry slaughtering and could start during the next academic year (2024-2025).

2.3. Minor Deficiency 3. Partial compliance with Standard 3.4 because of suboptimal alignment of some teaching activities, e.g. anatomy, diagnostic imaging and surgery.

2.3.1. Factual information.

According to the ESEVT Full Visitation final report "*There is suboptimal alignment of some teaching activities in the programme both horizontally (within a year) and vertically (between years); for example, integrating diagnostic imaging and surgical relevance into anatomy. The VEE is encouraged to further develop processes to ensure the effective management of the curriculum in terms of content relevance, and to promote enhanced integration within and between years of the programme, e.g. by encouraging discussions between teachers of linked disciplines.*"

Immediately following the ESEVT Full visitation in September 2023, the Curriculum Committee began a process for correction of the minor deficiency, including:

- initial review of the Syllabi and learning outcomes for DCVM courses using the Tuning matrix (Departmental QA Committee and Review Group*; see Appendix 1);
- meetings with teaching staff from Anatomy, Surgery and Diagnostic Imaging for the development of course integration, as suggested by the Visitation Team. Briefly, we decided to start the improvement of course integration with two distinct actions: 1) acquisition of a **high-quality** atlas of **veterinary anatomy** based on **medical imaging** (IMAIOS). This software will be available to students or teachers on the workstations of the anatomical museum in order to use effective interfaces that allow students to reinforce their learning, especially in anatomy and radiology and to connect how macroscopic organization of organs can explain clinical aspects of veterinary medicine; 2) organization of seminars from clinical subjects within the course of Topographic anatomy (II year). The first seminar was held on 15th November 2023, entitled "Topographic Anatomy applied to clinical surgery" with Prof. Marina Martano (Full Professor in Veterinary Surgery). The Curriculum Committee is managing the implementation of seminars with the diagnostic imaging and reproduction.
- meetings between teaching staff from several courses where immunology is part of the course content in order to identify and correct overlapping;
- consultation with the Joint Student Teacher and Departmental QA Committees for the development of student surveys to identify redundancies within (horizontal) and between (vertical) years;
- Consultation with the Steering Committee (18th December 2023): proposal to amend and re-organize courses by year, to update course programs and to re-evaluate the Syllabi. The Steering Committee has suggested: to combine basic subjects with others that have a more practical application (for example combining statistics with epidemiology); merge parts of anatomy to other modules (for example with physiology); move topographic anatomy in the year IV in conjunction with subjects like surgical semiotics.

**Two academic staff members, 1 student, Teaching Quality Manager: carries out analysis of the results of the Degree course training processes, with the aim of identifying critical points and possible improvement actions*

2.3.2. Comments

On 19 th December 2023, the Ministry of University and Research issued the Ministerial Decree 1649/2003, "*New Degree Classes*", with an update on mandatory contents and transversal skills essential for all degree courses, including the DCVM.

The VEE began an accurate analysis of the course organization, including the drafting of the Cyclic Review Report (analysis of data from the last 5 years regarding student progression, course attractiveness, internationalization, employability of graduates, quantity and qualification of teaching staff, and satisfaction of graduates). The Tuning matrix is currently being applied to the programs of the first two years of the DCVM to identify redundancies/overlaps.

2.3.3. Suggestions for improvement

The ongoing process to correct the Minor Deficiency will include:

- application of the Tuning matrix to courses from the third to the year V;
- use of the Syllabus as a parameter for establishing recognition for excellence in teaching (see Minor Deficiency 2.8);
- update of the current logbook (“Portfolio”) to include qualitative, summative assessment.

2.4. Minor Deficiency 4. Partial compliance with Standard 4.3 because of suboptimal separation in the equine stables between teaching animals and patients.

2.4.1. Factual information.

According to the ESEVT Full Visitation final report "*The areas for hospitalisation of equine patients do not allow the separation of patients from VEE-owned teaching animals (bovine and equine). It is suggested that the area for equine hospitalization be renovated to ensure adequate separation of patients from the teaching animals.*"

Immediately following the ESEVT Full visitation in September 2023, the EAEVE Committee met with academic staff to discuss the following strategy to correct the Minor Deficiency:

- transfer of pre-clinical teaching activity to the CandiaBio dairy cattle farm: as reported in the ESEVT Full Visitation SER, training with the healthy cows housed at the DVS include safe handling and containment (year I "Orientamento") and basics of clinical examination (Year IV Internal Medicine practicals). Rectal palpation was excluded from training activity several years ago due to concerns with animal welfare and thanks to the bovine models now available in the Skills Lab. It was decided that, due to limited space at the DVS and the suggestion from EAEVE to not house different animal species together, whether healthy or sick, that pre-clinical training in healthy bovines will now be carried out at the CandiaBio dairy cattle farm;
- new stables for healthy horses: the facility named "ex-canile", which is located between the library and the VTH, has been demolished and plans for acquisition of prefabricated stables in the now available space have been drafted (see Appendix 2);
- project for the new Equine Clinic: the UniPr Building and Maintenance Department has drawn up plans for the new Equine Clinic, following numerous onsite meetings with teaching staff and the VTH Management Committee (see Appendix 2). Briefly, the project consists of an extension of the new surgery wing with the addition of two equine surgery rooms (one dedicated to orthopedic surgeries and one to soft tissue surgeries) and a room for standing surgery. To allow clean dressing before entering the surgery rooms two changing rooms with bathrooms will be provided. A podiatry room and farriery dedicated space are placed in the renewed cow stalls. Rooms dedicated to equine in the "New surgery wing" will be reorganized with a radiology room, an endoscopy surgical area and an examination room. The project will also provide a room for the accommodation of veterinarians, one for students and one for support staff including male and female changing rooms. A customer reception room will be set up to let owners receive information on the patients. There will be a warehouse for cleaning, sterilizing and storing surgical material. The stables will be completely refurbished with the provision of 20 completely enclosed stalls. Depending on whether the patient is a first opinion or a referred case, the patient management flow will include either entry into the examination room, stalls or directly into surgery. A suspected infectious clinical case will be examined and treated directly in the isolation room. Initial funding of 1 million euros was approved by the UniPr Board of Administration in 2023 (see Appendix 3), with a commitment of a further 1 million euros in 2024.

2.4.2. Comments

Renewal of equine facilities began on the renovation of the two cow stalls replaced with a farrier room and a podiatry and horse medication area; related equipment is partially sponsored by Blacksmith company and owned by contracted staff that carry out podiatry activities. Equipment includes a gas forge, grinder, anvil, drill press, welding machine.

To support the improvement of equine surgery, an endoscope, a gastroscope, a wireless endoscope for dynamic endoscopy, an ultrasound machine, a direct digital X-ray machine, an Artrex arthroscopy and laparoscopy column complete with equipment for laparoscopy and arthroscopy, surgical equipment including ferrous materials, and consumables were purchased by the VTH (total budget approximately € 300,000).

Since September 2023, the number of clinical and surgical equine patients and the variety of clinical cases has increased, and patients are mostly referred by different practitioners all over Italy. Clinical cases provide students with a wider range of learning opportunities and clinical training.

2.4.3. Suggestions for improvement

The new facilities and equipment will ensure an increase the variety of clinical and surgical equine cases. Planning will therefore be necessary to ensure the proper number of teaching and support staff taking into account different clinical specializations required.

2.5. Minor Deficiency 5. Partial compliance with Standard 4.9 because of suboptimal posting of biosecurity rules in clinical and laboratory facilities.

2.5.1. Factual information.

According to the ESEVT Full Visitation final report "*Access to biosecurity rules is by use of hard copies of information and posting of QR codes placed at the entrance and at clinical and laboratories. However, the hard copies of rules were not highly visible as signage, whereas QR codes were linked to the overall website and not directly specific for the relevant facility. Posters on some doors are very general and do not attract attention. It is suggested that the VEE enhances and simplifies the visibility and access to biosecurity rules and procedures at the entrance of all clinical and laboratory facilities*."

Immediately following the ESEVT Full visitation in September 2023, the Biosecurity and Animal Welfare Committee met to discuss the strategy for correction of the Minor Deficiency, including:

- modification of all QR codes in laboratories and clinics which now go directly to the pertinent chapter of the biosecurity manual;
- substitution of all biosecurity signage on laboratory and clinical entrances, which are now highly visible.

2.5.2. Comments

The VEE has followed the Visitation Team's suggestions and consider this deficiency as corrected.

2.5.3. Suggestions for improvement

None

2.6. Minor Deficiency 6. Partial compliance with Standard 5.1 because of suboptimal number of bovine and equine necropsies.

2.6.1. Factual information.

According to the ESEVT Full Visitation final report "*The low number of intramural necropsies of ruminants and horses is a concern and may result in insufficient learning opportunities about pathology in these species. It is suggested to increase the number of necropsies in ruminants and horses with the active participation of the students.*"

Immediately following the ESEVT Full visitation in September 2023, the VTH Pathologists began developing a strategy for correction of the Minor Deficiency, including:

- programmed collaboration with a network of local bovine practitioners. There are currently 4 practitioners involved who notify the pathology unit of cadaver availability;
- formal request to the DVS for funding of transport of adult bovine cadavers from cattle farms and their destruction following necropsy, in order to allow at least 3 adult bovines/a.y. to be necropsied at the VEE (groups of approx. 20 students/bovine), under academic staff supervision;
- recording of videos of both adult bovine and equine necropsies to be used during teaching activities in pathological anatomy;
- necropsy service for equine patients from the VTH.

2.6.2. Comments

The number of equine necropsies has increased. The necropsy service is available to the intramural equine clinic as needed and to external users.

As compared to the 3 previous academic years before full visitation (2019-2022) during which only 2 equine necropsies were reported, there have been 5 in the last four months (October 2023-January 2024).

Necroscopies on calves continue to be guaranteed (15 since the last full visitation).

2.6.3. Suggestions for improvement

The VEE will continue to monitor necropsy numbers in bovines and equines in the coming months.

2.7. Minor Deficiency 7. Partial compliance with Standard 5.4 because medical records for extramural patients are not systematically maintained in an effective retrieval system.

2.7.1. Factual information.

According to the ESEVT Full Visitation final report "*There is suboptimal recording of medical cases in FPA. It is suggested to develop a patient recording system for extramural clinical activities, which allows active participation of the students*".

Immediately following the ESEVT Full visitation in September 2023, the EAEVE Committee and the contracted teachers for extramural clinical activities for FPAs met to develop a strategy to correct the Minor Deficiency, including:

- the purchase of the virtual clinical case recording system "Vetincloud" which allows students to record activities in the field, including all information pertaining to individual and herd health visits. The recordings are retrievable and can be consulted by all year V students.

2.7.2. Comments

The VEE has implemented the above strategy beginning in the second semester of the current academic year (29th January 2024). Examples of the virtual clinical registration system for a herd health visit and individual patient can be seen in Appendix 4.

2.7.3. Suggestions for improvement

None

2.8. Minor Deficiency 8. Partial compliance with Standard 9.3 because of a suboptimal system of rewarding teaching excellence.

2.8.1. Factual information.

According to the ESEVT Full Visitation final report "*Teachers try to improve their teaching performance based on student feedback. Those who succeed in delivering excellent teaching practices should have some kind of benefits or advantages compared to the teachers who do not. It is suggested to create a system that will recognise and reward teachers who deliver excellent teaching and learning experiences.*"

Based on the comments and suggestions received, the DCVM coordinator met with the EAEVE and DVS Teaching Committees to develop a strategy for correction of the Minor Deficiency, including:

- establishment of an ad hoc commission made up of the course coordinators, the head of Department, a representative student and the JSTC, whose mandate is to identify criteria for rewarding excellence in teaching;
- meetings of the ad hoc commission with the UniPr Vice Rector for Teaching Affairs;
- unanimous approval on the part of the DVS Board of the proposal that those members of staff who do not attend formal training in teaching and assessment cannot be considered for any type of premiality.

2.8.2. Comments

The criteria to consider in evaluation of excellence in teaching are being discussed. Proposals include analysis of the annual student surveys, the use of innovative teaching methods, application of evidence-based veterinary medicine and direct involvement of stakeholders in teaching and assessment. The first rewards will be offered at the end of the current a.y.

2.8.3. Suggestions for improvement

It would be very important for the UniPr Academic Senate and Board of Administration to adapt a similar system throughout the entire university. Discussion with the Vice Rector for teaching is ongoing and it has been proposed that the DVS become a "pilot" department for a rewarding system that would then be applied to all UniPr academic staff. The UniPr QA Committee is also discussing the possibility of funding proposals for the development of innovative teaching.

ESEVT Indicators

3.1. Factual information (*Updated data based on the last three academic years)*
The indicators reported in the ESEVT Full Visitation report included the a.y. 2019/2020, 2020/2021 and 2021/2022 (last 3 full academic years before visitation). The updated indicators are for 2020/2021, 2021/2022 and 2022/2023.

	Name of the VEE:	**Department of Veterinary Science, University of Parma**			
	Name & mail of the VEE's Head:	**Prof.Andrea Summer andrea.summer@unipr.it**			
	Date of the form filling:	**01.02.2024**			
	Raw data from the last 3 complete academic years	**2022/2023**	**2021/2022**	**2020/2021**	**Mean**
1	n° of FTE teaching staff involved in veterinary training	49,2	47,2	47,2	47,87
2	n° of undergraduate students	**243**	**242**	**233**	239,33
3	n° of FTE veterinarians involved in veterinary training	35,7	34,7	34,7	35,03
4	n° of students graduating annually	**44**	**43**	**42**	43
5	n° of FTE support staff involved in veterinary training	43	42	36	40,3333333
6	n° of hours of practical (non-clinical) training	877	877	877	877
7	n° of hours of Core Clinical Training (CCT)	822	822	822	822
8	n° of hours of VPH (including FSQ) training	485	485	485	485
9	n° of hours of extra-mural practical training in VPH (including FSQ)	40	40	40	40
10	n° of companion animal patients seen intra-murally	5213	5043	4487	4914,33333
11	n° of individual ruminant and pig patients seen intra-murally	0	2	0	0,66666667
12	n° of equine patients seen intra-murally	68	43	37	49,3333333
13	n° of rabbit, rodent, bird and exotic patients seen intra-murally	109	81	97	95,7
14	n° of companion animal patients seen extra-murally	0	0	0	0,0
15	n° of individual ruminants and pig patients seen extra-murally	18321	19224	19620	19055,0
16	n° of equine patients seen extra-murally	210	216	448	291,3
17	n° of rabbit, rodent, bird and exotic patients seen extra-murally	0	0	0	0,0
18	n° of visits to ruminant and pig herds	12	15	1	9,3
19	n° of visits to poultry and farmed rabbit units	2	1	0	1,0
20	n° of companion animal necropsies	75	88	114	92,3
21	n° of ruminant and pig necropsies	59	115	18	64,0
22	n° of equine necropsies	5	1	1	2,3
23	n° of rabbit, rodent, bird and exotic pet necropsies	79	90	3	57,3
24	n° of FTE specialised veterinarians involved in veterinary training	5	5	5	5,0
25	n° of PhD graduating annually	6	6	6	6,0
The boxes within the red frames must be filled in by the VEE (the other values will be automatically calculated)					

Name of the VEE:	**Department of Veterinary Science, University of Parma**					
Date of the form filling:	**01.02.2024**					
Calculated Indicators from raw data			**VEE values**	**Median values[1]**	**Minimal values[2]**	**Balance[3]**
I1	n° of FTE teaching staff involved in veterinary training / n° of undergraduate students		0,200	0,15	0,13	0,074
I2	n° of FTE veterinarians involved in veterinary training / n° of students graduating annually		0,815	0,84	0,63	0,185
I3	n° of FTE support staff involved in veterinary training / n° of students graduating annually		0,938	0,88	0,54	0,398
I4	n° of hours of practical (non-clinical) training		877,000	953,50	700,59	176,410
I5	n° of hours of Core Clinical Training (CCT)		822,000	941,58	704,80	117,200
I6	n° of hours of VPH (including FSQ) training		485,000	293,50	191,80	293,200
I7	n° of hours of extra-mural practical training in VPH (including FSQ)		40,000	75,00	31,80	8,200
I8	n° of companion animal patients seen intra-murally and extra-murally / n° of students graduati		114,287	67,37	44,01	70,277
I9	n° of individual ruminants and pig patients seen intra-murally and extra-murally / n° of studen		443,155	18,75	9,74	433,415
I10	n° of equine patients seen intra-murally and extra-murally / n° of students graduating annually		7,922	5,96	2,15	5,772
I11	n° of rabbit, rodent, bird and exotic seen intra-murally and extra-murally/ n° of students gradu		2,225	3,11	1,16	1,065
I12	n° of visits to ruminant and pig herds / n° of students graduating annually		0,217	1,29	0,54	-0,323
I13	n° of visits of poultry and farmed rabbit units / n° of students graduating annually		0,023	0,11	0,04	-0,021
I14	n° of companion animal necropsies / n° of students graduating annually		2,147	2,11	1,40	0,747
I15	n° of ruminant and pig necropsies / n° of students graduating annually		1,488	1,36	0,90	0,588
I16	n° of equine necropsies / n° of students graduating annually		0,054	0,18	0,10	-0,046
I17	n° of rabbit, rodent, bird and exotic pet necropsies / n° of students graduating annually		1,333	2,65	0,88	0,453
I18	n° of FTE specialised veterinarians involved in veterinary training / n° of students graduating		0,116	0,27	0,06	0,056
I19	n° of PhD graduating annually / n° of students graduating annually		0,140	0,15	0,07	0,070
1	Median values defined by data from VEEs with Accreditation/Approval status in May 2019					
2	Recommended minimal values calculated as the 20th percentile of data from VEEs with Accreditation/Approval status in May 2019					
3	A negative balance indicates that the Indicator is below the recommended minimal value					
*	Indicators used only for statistical purpose					

3.2. Comments

Indicators I12 ("*n° of visits to ruminant and pig herds/n° of students graduating annually"*), I13 ("*n° of visits of poultry and farmed rabbit units/n° of students graduating annually"*) and I16 ("*n° of equine necropsies/n° of students graduating annually"*) continue to be below the minimum ESEVT values.

3.3. Suggestions for improvement

I12: as indicated above (Minor Deficiency 2.1), students in year V CCT will begin each farm visit with a herd health management session before moving onto individual patient visits;

I13: similar to the strategy for visits to poultry slaughterhouses, academic staff in avian pathology will develop virtual visits through videos;

I16: as indicated above (Minor Deficiency 2.6) necropsy service for equine patients will continue to increase its case load; videos of 3 equine necropsies have been developed.

Glossary

B

BAWC: Biosecurity and Animal Welfare Committee

C

CC: Curriculum Committee
CCT: Core Clinical Training/*Tirocinio*

D

DCVM: Degree Course in Veterinary Medicine
D1Cs: Day One Competences
DVS: Department of Veterinary Sciences

E

EAEVE: European Association of Establishments for Veterinary Education
EPT: Elective Practical Training/*Orientamento*
ESEVT: European System of Evaluation of Veterinary Training

F

FSQ: Food Safety and Quality
FPA: Food Producing Animals

J

JSTC: Joint Student-Teacher Committee

O

ORIENTAMENTO: intramural or extramural activities in various disciplines to deepen knowledge and skills

Q

QA: Quality Assurance

S

SC: Steering Committee

U

UniPr: University of Parma

V

VTH: Veterinary Teaching Hospital/ *Ospedale Veterinario Universitario Didattico*

Appendices

Appendix 1. Tuning matrix for the DCVM.

The following Tuning matrix was developed according to the EU Tuning project guidelines (**https://www.unideusto.org/tuningeu/**). The matrix has aligned course content with learning outcomes based on the 5 Dublin descriptors defined by the European Qualifications Framework (level 7).

	Graduates will:	CORSI																																orientamento					tirocinio					
		ANATOMIA NORMALE	CHIMICA PROP. BIOCHIMICA -	ECON. RUR, AGRON. BOTANY	FISICA, MATEMATICA INFORM.	BIOCHIMICA VETERINARIA	ISTOL. EMBRIOL. ZOOLOGIA	SICUREZZA (E-LEARNING)	IDONEITÀ DI INGLESE	ANATOMIA TOPOGRAFICA	FISIOLOGIA I ED ETOLOGIA	MICROB, IMMUN. EPIDEM	ZOOTECNICA GEN. MIGL. GENET	FISIOLOGIA II ENDOCRINOLOGIA	PARASSITOLOGIA MAL PARASS	PATOL GEN, FISIOPAT.IMMUNOPATOL	ZOOTECNICA SPECIALE	ALIMENTAZ. NUTRIZ TECNICA MANG	FARMACOL, TOSS. CHEMIOTERAPIA	ANATOMIA PAT I, II,TEC.NECR	DIAGN IMMAGINI, RAD. PAT. CHIR	MAL. INFETTIVE I POLI VET SAN. PUBBL	TECNOL. CONTR ALIMENTI	ISPEZIONE ALIMENTI O.A	MAL. INFETTIVE II PATOLOGIA AVIARE	PATOLOGIA MEDICA SEMEIOTICA MED.	OSTETRICIA, ANDROL. FEC. ARTIF.	SEMEIOTICA CHIR.MED. OPER. ANEST	TERAPIA MED. MED. LEGLEGISL. PROTEZ	CLINICA OSTETRICA VETERINARIA	CLINICA CHIRURGICA	CLINICA MEDICA VETERINARIA	ORGANISATION AND COMM SKILLS	ORIENTAMENTO 1° ANNO	ORIENTAMENTO 2° ANNO	ORIENTAMENTO 3° ANNO	ORIENTAMENTO 4° ANNO	ORIENTAMENTO 5° ANNO	TIROCINIO ANAT PAT –MAL. INFETTIVE	TIROCINIO CLINICA CHIRURGICA	TIROCINIO CLINICA MEDICA	TIROCINIO CLINICA OSTETRI GINECOL	TIROCINIO ISPEZIONE ALIMENTI DI O.A	TIROCINIO ZOOTEC NUTRIZIONE ANIM
D1: knowledge and understanding	1. know the structure and normal function of the organism as a complex of biological systems	X				X	X			X	X			X		X	X			X	X	X		X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X
	2. be able to describe the molecular, cellular, biochemical physiological mechanisms responsible for the homeostasis of the organism		X			X					X	X		X		X			X	X		X				X													X					
	3. know the basics of mathematics, statistics, computer science and physics useful in the veterinary medical field			X	X																																							
	4. be able to interpret the morpho-functional anomalies found in different diseases														X				X	X	X	X			X	X	X	X	X	X	X	X				X	X	X	X	X	X	X		
	5. be able to identify normal and abnormal behavior and will be able to indicate the main risk factors of disease and the interaction between animals, humans and the environment										X					X		X		X	X	X			X	X	X	X	X	X	X	X				X	X	X	X	X	X			
	6. be able to describe the life cycle of the different animal species covered by the course in correlation with the principles of selection, welfare, breeding and nutrition			X			X				X		X	X			X	X											X															
	7. know the principles of action of drugs with their indications, the main instrumental diagnostic interventions, therapeutic interventions in prevention, in acute and chronic disease and in rehabilitation														X				X			X				X	X			X	X	X				X	X	X		X	X	X		
	8. know and be able to discuss the main determinants of health and disease in individuals and in the population																							X	X	X		X																
	9. They will know the safety and biosafety regulations in different working environments							X								X					X		X	X					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	10. know the elements of professionalism (moral, ethical principles, legal responsibilities)																												X	X	X	X	X				X	X	X	X	X	X	X	

D2: ability to apply knowledge and understanding

Graduates will be able to:	ANATOMIA NORMALE	CHIMICA PROP. BIOCHIMICA -	ECON., RUR., AGRON. BOTANY	FISICA, MATEMATICA INFORM.	BIOCHIMICA VETERINARIA	ISTOL., EMBRIOL., ZOOLOGIA	SICUREZZA (E-LEARNING)	IDONEITÀ DI INGLESE	ANATOMIA TOPOGRAFICA	FISIOLOGIA I ED ETOLOGIA	MICROB., IMMUN., EPIDEM	ZOOTECNICA GEN., MIGL., GENET	FISIOLOGIA II ENDOCRINOLOGIA	PARASSITOLOGIA MAL PARASS	PATOL GEN., FISIOPAT.,IMMUNOPATOL	ZOOTECNICA SPECIALE	ALIMENTAZ., NUTRIZ.,TECNICA MANG	FARMACOL., TOSS., CHEMIOTERAPIA	ANATOMIA PAT.I., II.,TEC.-NECR	DIAGN.,IMMAGINI., RAD., PAT., CHIR	MAL. INFETTIVE I POLI.VET.SAN., PUBBL.	TECNOL., CONTR.ALIMENTI	ISPEZIONE ALIMENTI O.A.	MAL. INFETTIVE II PATOLOGIA AVIARE	PATOLOGIA MEDICA SEMEIOTICA MED.	OSTETRICIA, ANDROL., FEC., ARTIF.	SEMEIOTICA CHIR.,MED. OPER., ANEST.	TERAPIA MED., MED. LEGLEGISL., PROTEZ.	CLINICA OSTETRICA VETERINARIA	CLINICA CHIRURGICA	CLINICA MEDICA VETERINARIA	ORGANISATION AND COMM SKILLS	ORIENTAMENTO 1° ANNO	ORIENTAMENTO 2° ANNO	ORIENTAMENTO 3° ANNO	ORIENTAMENTO 4° ANNO	ORIENTAMENTO 5° ANNO	TIROCINIO ANAT PAT.,MAL. INFETTIVE	TIROCINIO CLINICA CHIRURGICA	TIROCINIO CLINICA MEDICA	TIROCINIO CLINICA OSTETRI GINECOL	TIROCINIO ISPEZIONE ALIMENTI DI O.A.	TIROCINIO ZOOTEC NUTRIZIONE ANIM
1. collect a clinical history and carry out an examination of the patient's psycho-physical state																			X	X	X		X	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X	X
2. apply the principles of medical reasoning, analyze and interpret the results and to choose the appropriate strategies to solve the problem	X								X	X	X				X	X		X		X	X	X	X	X	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X
3. establish diagnoses and therapies in the individual patient and in the group																			X		X	X		X	X	X	X	X	X	X	X				X	X	X		X	X	X	X	X
4. correctly and independently manage the most common medical emergencies																						X		X	X	X	X	X	X	X	X				X	X	X		X	X	X	X	
5. take adequate preventive and protective actions against diseases by promoting animal and human health							X				X			X	X			X	X																X	X	X	X	X	X	X	X	X
6. correctly and independently manage the economic and environmental factors associated with breeding principles			X								X	X		X		X	X					X	X												X	X	X	X	X	X	X	X	X
7. effectively, efficiently and ethically take care of patients at all stages of life and respecting the individual characteristics of the species																						X			X	X	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X
8. respect professional values (excellence, responsibility, compassion, empathy, integrity) by applying scientific methods to protect the patient's well-being																			X	X	X		X	X	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X
9. correctly apply the principles of moral reasoning regarding possible ethical, legal and professional conflicts																			X	X	X		X	X	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X
10. establish collaborative relationships with colleagues and with the figures involved in the profession																						X	X	X	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X

D3: autonomy of judgement

Graduates will be able to:	ANATOMIA NORMALE	CHIMICA PROP. BIOCHIMICA -	ECON., RUR., AGRON. BOTANY	FISICA, MATEMATICA INFORM.	BIOCHIMICA VETERINARIA	ISTOL., EMBRIOL., ZOOLOGIA	SICUREZZA (E-LEARNING)	IDONEITÀ DI INGLESE	ANATOMIA TOPOGRAFICA	FISIOLOGIA I ED ETOLOGIA	MICROB., IMMUN., EPIDEM	ZOOTECNICA GEN., MIGL., GENET	FISIOLOGIA II ENDOCRINOLOGIA	PARASSITOLOGIA MAL PARASS	PATOL GEN., FISIOPAT.,IMMUNOPATOL	ZOOTECNICA SPECIALE	ALIMENTAZ., NUTRIZ.,TECNICA MANG	FARMACOL., TOSS., CHEMIOTERAPIA	ANATOMIA PAT.I., II.,TEC.-NECR	DIAGN.,IMMAGINI., RAD., PAT., CHIR	MAL. INFETTIVE I POLI.VET.SAN., PUBBL.	TECNOL., CONTR.ALIMENTI	ISPEZIONE ALIMENTI O.A.	MAL. INFETTIVE II PATOLOGIA AVIARE	PATOLOGIA MEDICA SEMEIOTICA MED.	OSTETRICIA, ANDROL., FEC., ARTIF.	SEMEIOTICA CHIR.,MED. OPER., ANEST.	TERAPIA MED., MED. LEGLEGISL., PROTEZ.	CLINICA OSTETRICA VETERINARIA	CLINICA CHIRURGICA	CLINICA MEDICA VETERINARIA	ORGANISATION AND COMM SKILLS	ORIENTAMENTO 1° ANNO	ORIENTAMENTO 2° ANNO	ORIENTAMENTO 3° ANNO	ORIENTAMENTO 4° ANNO	ORIENTAMENTO 5° ANNO	TIROCINIO ANAT PAT.,MAL. INFETTIVE	TIROCINIO CLINICA CHIRURGICA	TIROCINIO CLINICA MEDICA	TIROCINIO CLINICA OSTETRI GINECOL	TIROCINIO ISPEZIONE ALIMENTI DI O.A.	TIROCINIO ZOOTEC NUTRIZIONE ANIM
1. demonstrate a critical, constructive and creative approach in carrying out professional activities	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X
2. make personal judgments to solve analytical and complex problems											X		X				X	X	X	X	X		X	X	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X	X
3. formulate hypotheses, collect and critically evaluate data to solve problems		X	X	X	X				X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X
4. consider and evaluate the limitations of scientific thinking based on information obtained from different sources																				X	X	X	X	X	X	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X
5 exercise personal responsibility in compliance with the code of ethics																			X	X	X		X	X	X	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X
6. exercise reflective thinking on their professional activity in relation to all aspects connected to it																			X	X	X		X	X	X	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X
7. organize their time and activities and adapt to changes	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8. evaluate the environmental effects of the processes associated with carrying out the profession and analyze safety and biosafety in the workplace								X				X			X		X	X	X		X	X		X	X											X	X	X	X	X	X	X	X	X

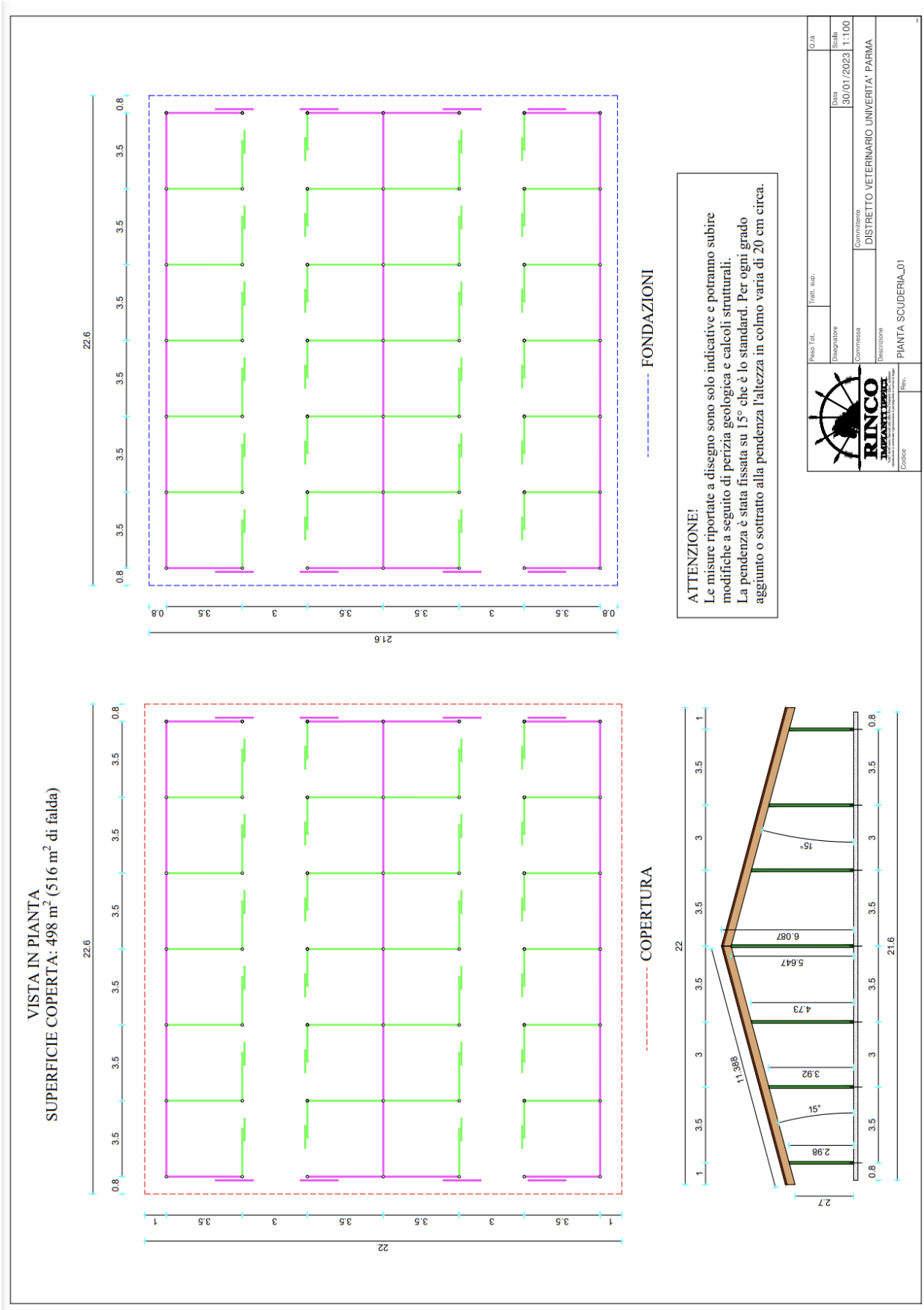
D4: communication skills

Graduates will be able to:	ANATOMIA NORMALE	CHIMICA PROP. BIOCHIMICA -	ECON. RUR, AGRON. BOTANY	FISICA, MATEMATICA INFORM.	BIOCHIMICA VETERINARIA	ISTOL. EMBRIOL. ZOOLOGIA	SICUREZZA (E-LEARNING)	IDONEITÀ DI INGLESE	ANATOMIA TOPOGRAFICA	FISIOLOGIA I ED ETOLOGIA	MICROB, IMMUN, EPIDEM	ZOOTECNICA GEN. MIGL. GENET	FISIOLOGIA II ENDOCRINOLOGIA	PARASSITOLOGIA MAL PARASS	PATOL GEN., FISIOPAT.IMMUNOPATOL	ZOOTECNICA SPECIALE	ALIMENTAZ. NUTRIZ TECNICA MANG	FARMACOL, TOSS, CHEMIOTERAPIA	ANATOMIA PAT.I, II,TEC.NECR	DIAGN.IMMAGINI, RAD., PAT. CHIR	MAL. INFETTIVE I POLI VET SAN. PUBBL	TECNOL. CONTR.ALIMENTI	ISPEZIONE ALIMENTI O.A	MAL. INFETTIVE II PATOLOGIA AVIARE	PATOLOGIA MEDICA SEMEIOTICA MED.	OSTETRICIA, ANDROL. FEC. ARTIF.	SEMEIOTICA CHIR.MED. OPER. ANEST	TERAPIA MED. MED. LEGLEGISL. PROTEZ	CLINICA OSTETRICA VETERINARIA	CLINICA CHIRURGICA	CLINICA MEDICA VETERINARIA	ORGANISATION AND COMM SKILLS	ORIENTAMENTO 1° ANNO	ORIENTAMENTO 2° ANNO	ORIENTAMENTO 3° ANNO	ORIENTAMENTO 4° ANNO	ORIENTAMENTO 5° ANNO	TIROCINIO ANAT PAT. -MAL. INFETTIVE	TIROCINIO CLINICA CHIRURGICA	TIROCINIO CLINICA MEDICA	TIROCINIO CLINICA OSTETR GINECOL	TIROCINIO ISPEZIONE ALIMENTI DI O.A	TIROCINIO ZOOTEC NUTRIZIONE ANIM
1. listen carefully to summarize the relevant information in each problem	X			X					X	X			X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X
2. practice their communication skills to facilitate understanding and communication with patient owners																				X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X
3. communicate effectively with colleagues	X								X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4. interact with all the figures involved in the profession by adapting and modulating communication methods																			X	X	X	X	X	X	X	X	X	X	X	X	X	X				X	X	X	X	X	X	X
5. deal with critical situations on a communicative level (e.g. communications of serious diagnoses)																				X				X	X	X	X	X	X	X	X	X				X	X	X	X	X	X	X
6. demonstrate sensitivity towards personal, social and economic aspects when interacting with individual or group patient owners																							X	X	X	X	X	X	X	X	X	X				X	X	X	X	X	X	X
7. know how to work effectively in a team	X	X			X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

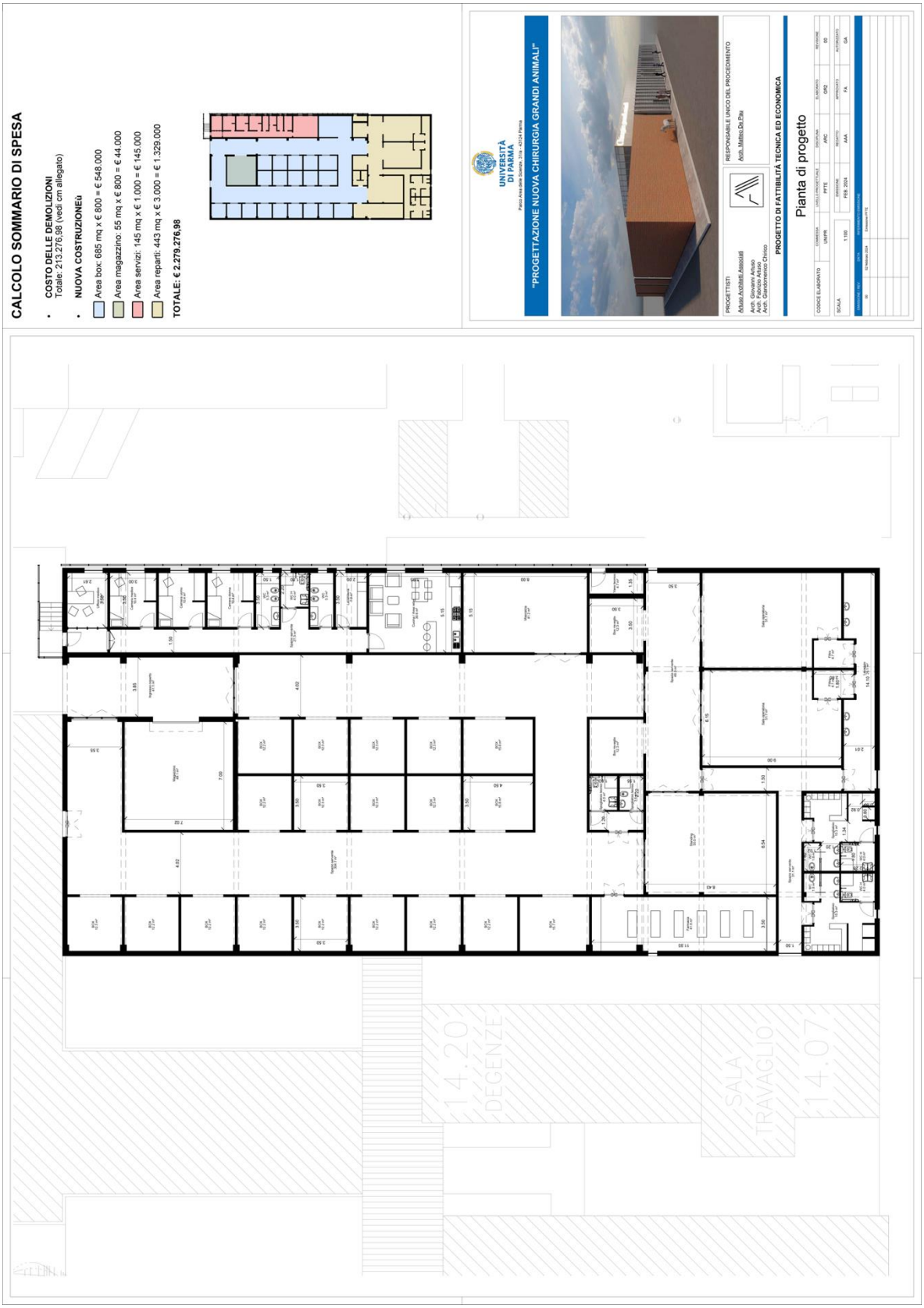
D5: learning ability

Graduates will be able to:	ANATOMIA NORMALE	CHIMICA PROP. BIOCHIMICA -	ECON. RUR, AGRON. BOTANY	FISICA, MATEMATICA INFORM.	BIOCHIMICA VETERINARIA	ISTOL. EMBRIOL. ZOOLOGIA	SICUREZZA (E-LEARNING)	IDONEITÀ DI INGLESE	ANATOMIA TOPOGRAFICA	FISIOLOGIA I ED ETOLOGIA	MICROB, IMMUN, EPIDEM	ZOOTECNICA GEN. MIGL. GENET	FISIOLOGIA II ENDOCRINOLOGIA	PARASSITOLOGIA MAL PARASS	PATOL GEN., FISIOPAT.IMMUNOPATOL	ZOOTECNICA SPECIALE	ALIMENTAZ. NUTRIZ TECNICA MANG	FARMACOL, TOSS, CHEMIOTERAPIA	ANATOMIA PAT.I, II,TEC.NECR	DIAGN.IMMAGINI, RAD., PAT. CHIR	MAL. INFETTIVE I POLI VET SAN. PUBBL	TECNOL. CONTR.ALIMENTI	ISPEZIONE ALIMENTI O.A	MAL. INFETTIVE II PATOLOGIA AVIARE	PATOLOGIA MEDICA SEMEIOTICA MED.	OSTETRICIA, ANDROL. FEC. ARTIF.	SEMEIOTICA CHIR.MED. OPER. ANEST	TERAPIA MED. MED. LEGLEGISL. PROTEZ	CLINICA OSTETRICA VETERINARIA	CLINICA CHIRURGICA	CLINICA MEDICA VETERINARIA	ORGANISATION AND COMM SKILLS	ORIENTAMENTO 1° ANNO	ORIENTAMENTO 2° ANNO	ORIENTAMENTO 3° ANNO	ORIENTAMENTO 4° ANNO	ORIENTAMENTO 5° ANNO	TIROCINIO ANAT PAT. -MAL. INFETTIVE	TIROCINIO CLINICA CHIRURGICA	TIROCINIO CLINICA MEDICA	TIROCINIO CLINICA OSTETR GINECOL	TIROCINIO ISPEZIONE ALIMENTI DI O.A	TIROCINIO ZOOTEC NUTRIZIONE ANIM
1. collect, organize and interpret new scientific knowledge	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2. undertake higher level studies to continue professional training	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3. identify their own training needs and plan self-training paths																													X	X	X	X	X	X	X	X	X	X	X	X	X	X
4. use technology associated with information and communication as a valid support for all practices related to carrying out the profession																	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5. work towards objectives in a group or independently	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6. adapt to different work environments and topics																	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X

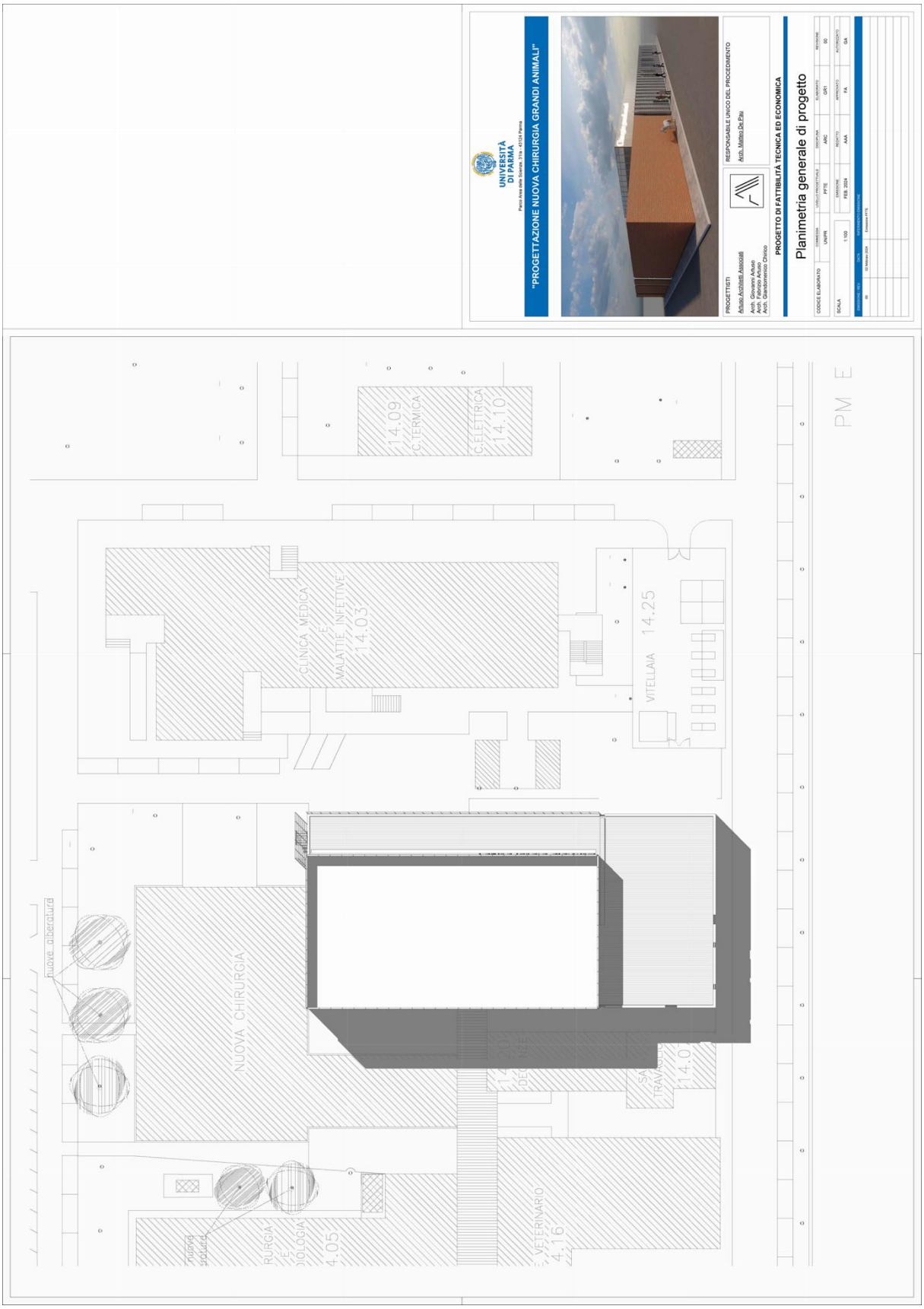
Appendix 2. Projects for new Equine clinic and horse stables



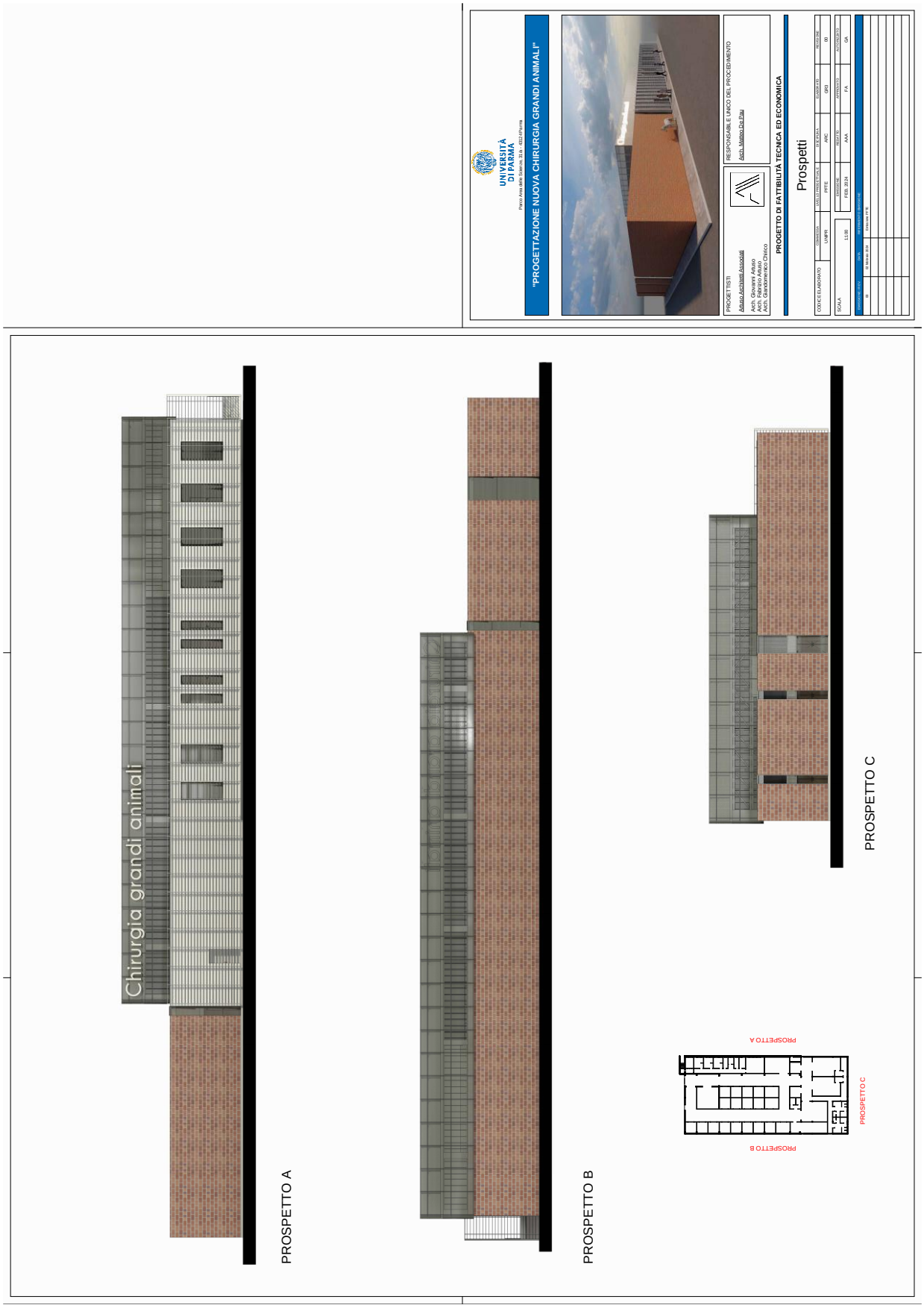
"Ex-canile" – New project for healthy horses stables



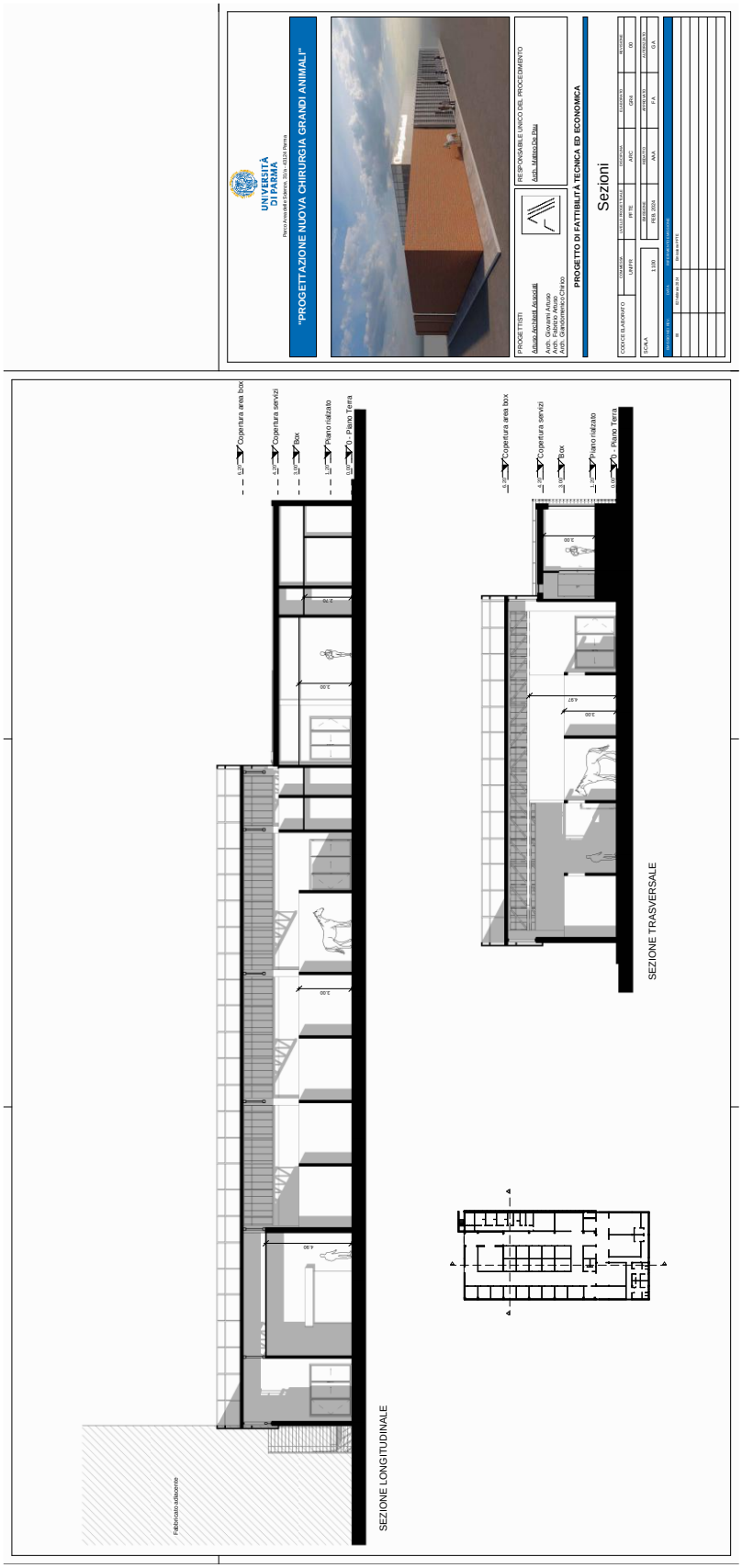
Project for New Equine Clinic- hospitalized horses



Project for New Equine Clinic- hospitalized horses



Project for New Equine Clinic- hospitalized horses



Project for New Equine Clinic- hospitalized horses

Appendix 3. Minutes from the Board of Administration meetings (approval budget Equine Clinic).

Appendix 3. Minutes from the Board of Administration meetings (approval budget Equine Clinic).

The text highlighted in yellow on pp. 6-7 refers to the 1-million-euro budget assigned to the DVS.

[…] "*having seen the Feasibility Document of Projects relating to the completion of the works necessary for EAEVE accreditation "OPP_2019_026_050 – VET – Completion EAEVE certification works" drawn up by the R.U.P. arch. Matteo De Pau for an amount total of €1,000,000.00;* […]
to approve the Feasibility Document of the Project Alternatives attached to this document resolution, relating to the completion of the works necessary for accreditation EAEVE "OPP_2019_026_050 – VET – Completion of EAEVE certification works" drawn up from the R.U.P. arch. Matteo De Pau for a total amount of €1,000,000.00;"[…]

UNIVERSITÀ DI PARMA

DIREZIONE GENERALE
U.O. AFFARI ISTITUZIONALI E ORGANI DI GOVERNO

CONSIGLIO DI AMMINISTRAZIONE
SEDUTA DEL 21 DICEMBRE 2023

COGNOME	NOME	CARICA	PRESENTE	ASSENTE	ASSENTE GIUSTIFICATO
Martelli	Paolo	Rettore Presidente	X		
Bertini	Simone	Membro	X		
Careri	Maria	Membro	X		
Mignosa	Paolo	Membro	X		
Mezzadri	Marco	Membro		X	
Buffetti	Sara	Membro	X		
Galli	Annachiara	Membro		X	
Tanchis	Lorenzo	Membro	X		
Bolondi	Michela	Membro		X	
Pontremoli	Andrea	Membro		X	

DELIBERA CDA/21-12-2023/583 - APPROVAZIONE PROGRAMMA TRIENNALE PER L'EDILIZIA UNIVERSITARIA 2024 - 2026 ED ELENCO ANNUALE 2024

Il Consiglio,

richiamato il D. Lgs. n. 36 del 31.03.2023 recante il "Codice dei contratti pubblici" e successive integrazioni e modificazioni;

visto lo Statuto di Ateneo art. 10, commi 1 e 3;

visto il Regolamento di Ateneo per l'amministrazione, la finanza e la contabilità artt. 16, comma 1 secondo e quarto punto, e 46, comma 2;

richiamato l'aggiornamento del Piano Strategico 2022-2024 approvato con propria deliberazione 410 del 27.10.2022, con il parere del Senato Accademico reso nella seduta del 25.10.2022 con delibera n. 106;

richiamata la propria deliberazione n. 525 del 21.12.2022 con la quale è stato approvato il Programma Triennale 2023-2025 e l'Elenco Annuale 2023, che complessivamente ammonta ad € 74.058.375,55;

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richiamata la propria deliberazione n. 525 del 26.10.2023 con la quale è stato adottato il Programma Triennale 2024-2026 e l'Elenco Annuale 2024, che complessivamente ammontava ad € 35.369.501,55 secondo la seguente suddivisione:

	2024	2025	2026	Totale
Bilancio	20.464.148,01	-	-	20.464.148,01
Finanziamenti vincolati per legge	14.464.148,01	-	-	14.672.020,21
Mutui	-	-	-	-
Finanziamenti da privati	-	-	-	-
Altro (Regione ER)	233.333,33	-	-	233.333,33
	35.369.501,55	**-**	**-**	**35.369.501,55**

preso atto che il programma prevedeva € 57.494.624,00 di investimenti nelle annualità successive al programma;

preso atto che, gli interventi previsti nel programma triennale 2024-2026 trovavano ipotesi di finanziamento così suddiviso:

- per € 3.010.376,00 con finanziamento MUR per adeguamenti antincendio;
- per € 8.445.894,21 con cofinanziamento MUR per residenze universitarie;
- per € 233.333,33 con cofinanziamento Regione ER per residenze universitarie;
- per € 2.615.750,00 su fondi PNRR;
- per € 600.000,00 su fondi per Dipartimenti di eccellenza;
- per € 13.704.148,01 con fondi di bilancio già presenti nell'annualità 2023;
- per € 6.760.000,00 con fondi bilancio da stanziare nell'annualità 2024;

preso atto che nel frattempo è stato anticipato all'annualità 2023 l'intervento OPP_2024_005 – Edifici vari – Sistemazione appartamenti per studenti € 484.700,27;

richiamata la propria deliberazione n. 536 del 30.11.2023 con la quale è stata approvata la variante n. 4 al Programma Triennale 2023-2025 e l'Elenco Annuale 2023 che complessivamente ammonta ad € 30.312.594,68 secondo la seguente suddivisione:

	2023	2024	2025	Totale
Bilancio	15.905.885,87	-	-	**15.905.885,87**
Finanziamenti vincolati per legge	14.688.675,21	-	-	14.688.675,21
Mutui	-	-	-	-
Finanziamenti da privati	-			-
Altro	718.033,60	-	-	718.033,60
Totali	**31.312.594,68**	**-**	**-**	**31.312.594,68**

dove:

la quota bilancio è data da:
- per € 15.905.885,87 con fondi di bilancio presenti nell'annualità 2023;

la quota finanziamenti vincolati per legge è data da:
- per € 8.445.894,21 con cofinanziamento MUR per residenze universitarie;
- per € 600.000,00 con finanziamento MUR per Dipartimenti di eccellenza;
- per € 3.027.031,00 con finanziamento MUR per adeguamento prevenzioni incendi;
- per € 2.615.750,00 con finanziamento progetti PNRR;

la quota altro è data da:
- per € 233.333,33 per cofinanziamento Regione ER per residenze universitarie;
- per € 484.700,27 per cofinanziamento Regione ER per riqualificazione vecchia Chirurgia Veterinaria;

preso atto che nel frattempo sono state avviate le procedure di gara per l'affidamento dei lavori e, pertanto, sono stati rimossi dalla programmazione i seguenti interventi:
- OPP_2022_085 CAMPUS – Riqualificazione area ex biblioteca di Bioscienze per la realizzazione di laboratori di ricerca e aula studio € 500.000,00;
- OPP_2022_005 – Interventi rivolti alle componenti botaniche del giardino storico € 2.000.000,00;

richiamato l'art. 37 del Codice dei contratti pubblici "Programmazione dei lavori e degli acquisti di beni e servizi" il quale dispone:
- al comma 1 "*Le stazioni appaltanti e gli enti concedenti:*
  - *a) adottano il programma triennale dei lavori pubblici e il programma triennale degli acquisti di beni e servizi. I programmi sono approvati nel rispetto dei documenti programmatori e in coerenza con il bilancio e, per gli enti locali, secondo le norme della programmazione economico-finanziaria e i principi contabili;*
  - *b) approvano l'elenco annuale che indica i lavori da avviare nella prima annualità e specifica per ogni opera la fonte di finanziamento, stanziata nello stato di previsione o nel bilancio o comunque disponibile;*
- al comma 2: "*Il programma triennale dei lavori pubblici e i relativi aggiornamenti annuali contengono i lavori, compresi quelli complessi e da realizzare tramite concessione o partenariato pubblico-privato, il cui importo si stima pari o superiore a alla soglia di cui all'articolo 50, comma 1, lettera a). I lavori di importo pari o superiore alla soglia di rilevanza europea di cui all'articolo 14, comma 1, lettera a), sono inseriti nell'elenco triennale dopo l'approvazione del documento di fattibilità delle alternative progettuali e nell'elenco annuale dopo l'approvazione del documento di indirizzo della progettazione. I lavori di manutenzione ordinaria superiori alla soglia indicata nel secondo periodo sono inseriti nell'elenco triennale anche in assenza del documento di fattibilità delle alternative progettuali. I lavori, servizi e forniture da realizzare in amministrazione diretta non sono inseriti nella programmazione";*

preso atto che il Programma Triennale e l'Elenco Annuale sono stati redatti sulla base dell'allegato I.5 - Elementi per la programmazione dei lavori e dei servizi. Schemi tipo;

preso atto che le priorità del programma privilegiano valutazioni di pubblica utilità in conformità di quanto disposto dal codice;

preso atto che nella stesura del programma e nell'aggiornamento si è tenuto presente lo stato di attuazione degli interventi programmati ed avviati negli anni precedenti;

preso atto che nella stesura del programma si è privilegiata una struttura suddivisa per tipologia di intervento, specificatamente individuando le seguenti tipologie:

- Adeguamenti di sicurezza e antincendio;
- Miglioramenti sismici;
- Interventi su edifici esistenti;
- Interventi volti al miglioramento della qualità ambientale;
- Interventi volti al miglioramento del servizio verso gli studenti quali la realizzazione di nuove residenze studentesche e nuovi poli didattici;

preso atto che la disponibilità del bilancio preventivo 2024 per gli investimenti edilizi ammonta ad € 4.230.000,00;

ritenuto quindi di rinviare ad annualità successive i seguenti interventi in attesa di poterli reinserire nella programmazione non appena disponibili nuovi finanziamenti:

Progetto	Descrizione	Importo prima annualità	Importo complessivo
OPP_2024_001	OLT – Riqualificazione edifici da destinare ad attività didattica	€ 500.000,00	€ 6.000.000,00
OPP_2024_003	VET – Condizionamento edifici 14.02 e 14.04	€ 300.000,00	€ 300.000,00

ritenuto altresì di rinviare nella programmazione ed eventualmente di finanziare non appena disponibili nuovi finanziamenti gli aumenti delle spese di progettazione per i seguenti interventi:

Progetto	Descrizione	Importo
OPP_2017_014	Campus - Miglioramento sismico e adeguamento antincendio Podere La Grande e Luogo di Culto	+ € 30.000,00
OPP_2017_022	Campus - Miglioramento sismico e adeguamento antincendio Mensa La Grande	+ € 50.000,00
OPP_2017_023	Centro- Miglioramento sismico e adeguamento antincendio Sala Studio Carissimi	+ € 50.000,00

ritenuto inoltre di finanziare parzialmente e di eventualmente integrare il finanziamento non appena disponibili nuovi finanziamenti i seguenti interventi:

Progetto	Descrizione	Importo 2024	Importo complessivo

OPP_2024_016	Edifici vari – Manutenzione straordinaria edile, impianti e strade	€ 1.500.000,00	€ 2.000.000,00
OPP_2015_028	Campus – Edificio destinato a servizi educativi per l'infanzia	€ 100.000,00	€ 150.000,00
OPP_2024_002	MED – Demolizione edifici EX Biologici e Ex Stabulari	€ 400.000,00	€ 900.000,00

preso atto che il Programma Triennale 2024-2026, e l'Elenco Annuale 2024, complessivamente ammonta ad € 31.360.856,82 secondo la seguente suddivisione:

	2024	2025	2026	Totale
Bilancio	17.954.148,01	-	-	**17.954.148,01**
Finanziamenti vincolati per legge	12.688.675,21	-	-	**12.688.675,21**
Mutui	-	-	-	**-**
Finanziamenti da privati	-			**-**
Altro	718.033,60	-	-	**718.033,60**
Totali	**31.360.856,82**	**-**	**-**	**31.360.856,82**

dove:
la quota bilancio è data da:

- per € 13.724.148,01 con fondi di bilancio presenti nell'annualità 2023;
- per € 4.230.000,00 con fondi di bilancio stanziati per l'annualità 2024;

la quota finanziamenti vincolati per legge è data da:

- per € 8.445.894,21 con cofinanziamento MUR per residenze universitarie;
- per € 600.000,00 con finanziamento MUR per Dipartimenti di eccellenza;
- per € 3.027.031,00 con finanziamento MUR per adeguamento prevenzioni incendi;
- per € 615.750,00 con finanziamento progetti PNRR;

la quota altro è data da:

- per € 233.333,33 per cofinanziamento Regione ER per residenze universitarie;
- per € 484.700,27 per cofinanziamento Regione ER per riqualificazione vecchia Chirurgia Veterinaria;

preso atto che gli interventi previsti in programmazione hanno avuto le approvazioni nei precedenti Consigli di Amministrazione:

Intervento	Descrizione	Delibera n.
OPP_2017_014	Campus - Miglioramento sismico Podere La Grande e Luogo di Culto	594 del 23.12.2021
OPP_2017_021	Campus - Miglioramento sismico Centro S. Elisabetta	594 del 23.12.2021
OPP_2017_022	Campus - Miglioramento sismico Mensa La Grande	594 del 23.12.2021
OPP_2017_023	Centro- Miglioramento sismico Sala Studio Carissimi	594 del 23.12.2021
OPP_2017_026	Campus - Miglioramento sismico Matematica	594 del 23.12.2021
OPP_2020_008	VET - Miglioramento sismico Padiglione Ispettivo - stralcio II	594 del 23.12.2021
OPP_2017_003	Campus - Miglioramento sismico edificio di Fisica	566/32434 del 19.12.2017
OPP_2020_005	MED - Consolidamento statico e miglioramento sismico Medicina Legale	434 del 24.09.2021
OPP_2020_006	MED - Consolidamento statico e miglioramento sismico Anatomia Patologica	434 del 24.09.2021
OPP_2020_007	MED - Consolidamento statico e miglioramento sismico edificio Nefrologia	434 del 24.09.2021
OPP_2019_016_10	VET - Riqualificazione vecchia chirurgia a spazi per studenti	266 del 30.06.2022

OPP_2021_003	Centro - Messa in sicurezza e rifacimento facciate cortile Palazzo Centrale	594 del 23.12.2021
OPP_2019_024	MED - Adeguamento Medicina del Lavoro Biblioteca Medica	594 del 23.12.2021
OPP_2019_025	Campus - Sistemazione facciate edificio Polifunzionale	594 del 23.12.2021
OPP_2018_005	Campus - Realizzazione sotto centrale termica Food Project	434 del 24.09.2021
OPP_2021_008	VET - Rifacimento cabina elettrica di trasformazione	434 del 24.09.2021
OPP_2021_010	MED - Ristrutturazione edificio Clinica Medica	434 del 24.09.2021
LNC_2009_001	Centro - Complesso San Francesco realizzazione cabina elettrica di trasformazione	434 del 24.09.2021
OPP_2020_011	Centro - Messa in sicurezza facciate edificio Borgo Carissimi	594 del 23.12.2021
OPP_2020_009	Campus - Realizzazione nuovi percorsi pedonali e ciclabili	482 del 01.12.2022
OPP_2014_013	Centro - Nuovo accesso biblioteca Giurisprudenza	594 del 23.12.2021
OPP_2021_011	MED - Nuovo Polo Didattico (ex Biologici)	594 del 23.12.2021
OPP_2021_007	Oltretorrente - Adeguamento funzionale ex Convento Santa Caterina per alloggi studenti	594 del 23.12.2021
OPP_2015_028	Campus - Edificio destinato a servizi educativi per l'infanzia	594 del 23.12.2021
OPP_2023_016	Manutenzioni straordinaria edile, impianti e strade	525 del 21.01.2022
OPP_2023_016_05	Centro – Messa in sicurezza aula F Giurisprudenza	248 del 24.05.2023
GIURI_DIP_ECCELLENZA_2023_2027_INFRASTRUTTURE	Centro di Ricerca Food for Future del Dipartimento di eccellenza di Giurisprudenza	248 del 24.05.2023
PNRR_CN_AGRITECH_2022_LIVINGLABS	Realizzazione di un nuovo laboratorio Agritech	248 del 24.05.2023
OPP_2024_005	Edifici vari – Sistemazione appartamenti per studenti	536 del 30.11.2023

visto il Documento di Fattibilità delle Alternative Progettuali relativo alla demolizione degli edifici ex Biologici e Stabulari della Facoltà di Medicina "OPP_2024_002 – MED – Demolizione ex Biologici ed Ex Stabulari" redatto dal R.U.P. arch. Pierangelo Spina per un importo complessivo di € 900.000,00 di cui finanziato nell'annualità 2024 un primo stralcio per € 400.000,00;

visto il Documento di Fattibilità delle Alternative Progettuali relativo al completamento delle opere necessarie per l'accreditamento EAEVE "OPP_2019_026_050 – VET – Completamento lavori certificazione EAEVE" redatto dal R.U.P. arch. Matteo De Pau per un importo complessivo di € 1.000.000,00;

visto il Documento di Fattibilità delle Alternative Progettuali relativo agli interventi di manutenzione straordinaria edile, impianti e strade - OPP_2024_016 "Manutenzione straordinaria edile, impianti e strade" redatto dal R.U.P. Ing. Alessandro Bertani per un importo complessivo di € 2.000.000,00 di cui finanziato nell'annualità 2024 un primo stralcio per € 1.500.000,00;

ritenuto di approvare i documenti di fattibilità delle alternative progettuali sopraccitati;

ritenuto di approvare il Programma Triennale 2024-2026 ed Elenco Annuale 2024;

unanime,

delibera

1. di approvare il Documento di Fattibilità delle Alternative Progettuali, allegato alla presente deliberazione, relativo alla demolizione degli edifici ex Biologici e Stabulari della Facoltà di Medicina "OPP_2024_002 – MED – Demolizione ex Biologici ed Ex Stabulari" redatto dal R.U.P. arch. Pierangelo Spina per un importo complessivo di € 900.000,00;

2. di approvare il Documento di Fattibilità delle Alternative Progettuali allegato alla presente deliberazione, relativo al completamento delle opere necessarie per l'accreditamento EAEVE "OPP_2019_026_050 – VET – Completamento lavori certificazione EAEVE" redatto dal R.U.P. arch. Matteo De Pau per un importo complessivo di € 1.000.000,00;

3. di approvare il Documento di Fattibilità delle Alternative Progettuali, allegato alla presente deliberazione, relativo agli interventi di manutenzione straordinaria edile, impianti e strade - OPP_2024_016 "Manutenzione straordinaria edile, impianti e strade" redatto dal R.U.P. Ing. Alessandro Bertani per un importo complessivo di € 2.000.000,00;

4. di approvare il Programma Triennale 2024-2026 e l'elenco annuale 2024, secondo le schede allegate quali parte integrante della presente deliberazione;

5. di dare mandato all'Area Edilizia ed Infrastrutture, U.O. Servizi Generali e Monitoraggio e all'Area Economico Finanziaria, U.O. Bilanci e Contabilità Analitica per i rispettivi adempimenti successivi e conseguenti.

Il Segretario
Candeloro Bellantoni
Firmato digitalmente ai sensi D.Lgs. n. 82/2005

Appendix 4. Examples of case recordings in “Vetincloud” for extramural CCT in bovines.

Ospedale Veterinario Universitario Didattico UNIPR
- -

REFERTO VETERINARIO

Data	Cliente	Comune
22/01/2024	AAB CANDIABIO	

Pet	Specie/Razza	Sesso
801	Bovino	Femmina

ANAMNESI

Motivo della visita
Visita post-partum

Anamnesi generale
Giorni dalla fecondazione
Numero inseminazione
Giorni dal parto 27
Numero lattazioni 3
High milk producer

DIAGNOSI

Diagnosi definitiva
Utero perfettamente involuto, 2 corpi lutei cavitari + 1 CL compatto ovaio dx, ov sn 1 follicolo 15mm, tutto ok

BOVINI_VET 10 TIROCINIO UNIPR

Ospedale Veterinario Universitario Didattico UNIPR

REFERTO VETERINARIO

Data	Cliente	Comune
03/02/2024	AAB Soc. Agricola San Michele	
Pet	**Specie/Razza**	**Sesso**
IT034991221189	Bovino	Femmina

ANAMNESI

Motivo della visita
Intervento in allevamento per aumento di patologie nel post partum

Sintomi
Le bovine a 48 ore dal parto sono andate a terra ed è stata diagnosticata ipocalcemia mediante prelievo del sangue ed analisi biochimiche (Calcio < 6 ng/mL) che è stata trattata con opportuno piano terapeutico. Nelle bovine con ritenzione placentare le analisi biochimiche hanno mostrato un' ipocalcemia subclinica (calcio 6-8 ng/mL).
Le bovine che hanno partorito a gennaio 2024 (ingravidate a marzo 2023) sono state un numero superiore rispetto alla norma dell'allevamento (recupero cali di gravidanza pregressi - sono stati quindi fatti intensivi protocolli di sincronizzazione a marzo 2023). Questo ha portato ad un gran numero di gravidanze ed ad un aumento delle vacche in asciutta con sovraffollamento e stress ambientale degli animali.
A metà dicembre 2023 è cambiata la ditta che fornisce il mangime per l'asciutta e quindi le vacche sono state alimentate con una nuova linea di mangime.

Anamnesi generale
L'allevatore registra un significativo aumento nei parti dell'ultimo mese con vacche che vanno in collasso post-partum e bovine con ritenzione placentare

DIAGNOSI

Problemi
Ritenzione di placenta, collasso puerperale ipocalcemico, sovraffollamento dell'ambiente asciutta, sospetta alimentazione scorretta delle vacche asciutte.
1) Scorretto utilizzo dell'alimentazione anionica nella fase finale dell'asciutta;
2) Nucleo vitaminico minerale insufficiente nella fase dell'asciutta

Piano diagnostico
Agli animali in asciutta, negli ultimi 20 gg prima del parto, viene prelevato il sangue per fare indagini biochimiche di oligoelementi e vitamine (Se, Mg, Cu, Ca, P, Vit E) e vengono raccolte le urine per la valutazione del pH urinario.

Diagnosi definitiva
I parametri di oligoelementi e vitamine sono nella norma di conseguenza la ritenzione placentare non è causata dalla carenza di antiossidanti. Le vacche invece sono già in ipocalcemia subclinica a 20 gg dal parto (Ca <8 ng/mL) e le urine sono leggermente basiche (non coerente con l'alimentazione anionica che dovrebbe creare un'acidosi metabolica ed abbassare il pH delle urine per garantire la liberazione del Ca dalle ossa). In questo caso l'alimentazione non è stata corretta ed il mangime anionico non era sufficiente a supportare la montata lattea e la gravidanza/parto.

Comunicazioni al cliente

Sentire il proprio alimentarista e rivedere l'alimentazione delle bovine asciutte.

Ospedale Veterinario Universitario Didattico UNIPR
- -

REFERTO VETERINARIO

Data	Cliente	Comune
22/01/2024	AAB MONTALI 042PR038	

Pet	Specie/Razza
IT034991189312	Bovino

ANAMNESI

Motivo della visita
Visita Dr. MARMIROLI MAURO e DAMIAN GIULIA: morte per sospetta clostridiosi iperacuta, invio dell'intestino allo zooprofilattico per accertamento diagnostico, conta spore

BOVINI TIROCINIO UNIPR

Ospedale Veterinario Universitario Didattico UNIPR
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SCHEDA CHIRURGICA

Data	Cliente	Comune
29/01/2024	AAS Castella	

Pet
Gruppo suinetti sito 2

SCHEDA CHIRUGICA

Descrizione della procedura
Preanestesia e anestesia effettuata su 35 suinetti pre castrazione - ernia inguinale

SUINI TIROCINIO UNIPR