ST. ELIZABETH UNIVERSITY OF HEALTH AND SOCIAL WORK

Name of university	**St. Elizabeth University of Health and Social Work**
The seat of the university	**Palackého 1, 811 02 Bratislava**
Identification number of the university	**31821979**
Name of faculty	**Department of Health Disciplines**
Headquarters of the Faculty	**Square 1. May No. 1, 810 00 Bratislava**

The University's body for approving the study programme: the **Programme Board**
Date of approval of the study programme or modification of the study programme: 10. 01. 2022
Date of the last change to the programme description:
Reference to the results of the most recent periodic assessment of the programme of study by the University:
Programme Board - 10. 01. 2022
http://www.vssvalzbety.sk/o-nas/organy-vs/programova-rada

1. Basic data about the study programme

a) The name of the study programme and the number according to the register of study programmes.

Art.No.: 106959, UIPŠ Art.No.:5616V00 Department 7.4.3
Link: https://www.portalvs.sk/sk/morho/zobrazit/106959

b) Degree of higher education and ISCED-F code of the degree of education.

Grade: third
ISCED-F Codes
0914 Medical diagnostics and medical technology
0919Health not elsewhere classified
864 - Doctoral studies at universities - vocationally oriented study programmes

c) Place(s) of the study programme.

The seat of the university
St. Elizabeth's University of Health and Social Work n.o.
Square 1. May No. 1, 810 00 Bratislava

d) The name and number of the field of study in which the degree programme will lead to a higher education qualification, or the combination of two fields of study in which the degree programme will lead to a higher education qualification, ISCED-F codes of the field(s) of study.
ISCED-F codes - LVM is NOT yet included

0919Health not elsewhere classified
1014 Medical diagnostics and medical technology

Pursuant to Government Regulation No 296/2010
§ 23, Professional competence for the performance of work activities in the health profession medical laboratory technician
§ 24, Performance of work activities of a medical laboratory technician
§ 25, Professional competence to act as a professional representative in the health profession of medical laboratory technician
Link: https://www.slov-lex.sk/pravne-predpisy/SK/ZZ/2010/296/20210101

e) Type of study programme: academically oriented, professionally oriented; translation, combination translation (with indications of qualifications); teacher, combination teacher study programme (with indications of qualifications); artistic, engineering, doctoral, preparation for a regulated profession, joint study programme, interdisciplinary studies.

f) Academic degree awarded.

PhD /Philosophiae Doctor/ (in the field of Laboratory Investigation Methods in Healthcare 7.4.3)

g) Form of study. **External**
h) In the case of joint study programmes, the cooperating higher education institutions and the definition of which study obligations are fulfilled by the student at which higher education institution (§ 54a of the Higher Education Act).
Not applicable.
i) The language or languages in which the study programme is conducted. **Slovak language**
j) Standard length of study expressed in academic years. **4 years**
k) Capacity of the study programme (planned number of students), actual number of applicants and number of students.

2. Graduate profile and learning objectives
It is adjusted in accordance with the document "Creation, application and evaluation of the internal quality system of the SEUs of the SEU" (VS 3.2.f.2)

https://www.vssvalzbety.sk/userfiles/Studijne%20oddelenie/bratislava/pre%C4%8Do%20u%20n%C3%A1s%20%C5%A1tudova%C5%A5/VS3.2.f.2.tud.prpgramy-profilabs.vstupyzodp.poslaniuV.pdf

https://www.vssvalzbety.sk/studijne-oddelenie/preco-studovat-u-nas/profil-absloventa

a) The University will describe the learning objectives of the program of study as the student's abilities at the time of completion of the program of study and the major learning outcomes.

The aim of the educational study programme Laboratory Investigative Methods is to ensure that the graduate of the 3rd level of studies has a good command of laboratory techniques, procedures in individual medical disciplines with application in the process of curative and preventive care, has extensive knowledge of symptoms, syndromes and nosological units in the main clinical disciplines of medicine. Graduate of "Laboratory Investigation Methods in Health Care" - 3 .degree can work independently and effectively in the departments of laboratory medicine (clinical biochemistry, hematology and transfusiology, microbiology, immunology, genetics, toxicology, pathological anatomy, clinical pharmacology, functional diagnostics), lead a team of collaborators, organize work in the laboratory and cooperate with clinical departments in solving diagnostic and therapeutic problems in the framework of the therapeutic-preventive process.

Graduates of the "Laboratory Investigation Methods in Healthcare" (LVM) - 3rd degree have an in-depth knowledge of laboratory investigation methods in individual branches of medicine and theoretical knowledge of the basics of the supporting clinical medical disciplines, including internal medicine, surgery, gynaecology and obstetrics and paediatrics. It has the theoretical and practical potential necessary for the development of the field in education, management, research and clinical practice. He/she is familiar with the pedagogical methods necessary for professional training in the medical categories of medical laboratory technician and medical-technical laboratory technician. Knows the principles of management at all levels of governance.
Upon successful completion of the PhD in Laboratory Investigation Methods in Healthcare, the graduate will:
- have the necessary theoretical knowledge to work competently with laboratory instrumentation and know the principles of correct laboratory practice,
- be proficient in diagnostic laboratory tests in biochemistry, microbiology, immunology and haematology,
- Apply knowledge of preclinical and clinical disciplines in the correct selection of appropriate laboratory testing,
- be familiar with the basic legislation relevant to his/her work,
- be familiar with safety, fire and hygiene rules and regulations with the ability to apply them in the workplace.

b) The University indicates the occupations for which the graduate is prepared at the time of graduation and the potential of the study programme in terms of graduate employment.

Medical profession: medical laboratory technician within the meaning of Government Regulation 296/2010.

Government Regulation No 296/2010
§ 23, Professional competence for the performance of work activities in the health profession medical laboratory technician
§ 24, Performance of work activities of a medical laboratory technician
§ 25, Professional competence to act as a professional representative in the health profession of medical laboratory technician
Link: https://www.slov-lex.sk/pravne-predpisy/SK/ZZ/2010/296/20210101
https://www.vssvalzbety.sk/o-nas/uplatnenie-absolventov
https://www.vssvalzbety.sk/o-nas/kvalita-vzdelavania

c) Relevant external stakeholders who have provided a statement or a favourable opinion on the compliance of the acquired qualification with the sector-specific requirements of the profession.

Ministry of Health of the Slovak Republic

3. Applicability

a) Evaluation of the employability of graduates of the study programme.

Graduates of the "Laboratory Investigation Methods in Healthcare" (LVM) - 3rd degree have a good knowledge of laboratory techniques in individual medical disciplines with application in the process of curative and preventive care and have basic knowledge of symptoms, syndromes and nosological units in the main clinical fields of medicine. He/she has good management skills to be able to independently lead a laboratory team of co-workers. Is able to think critically and participate in scientific research activities.
The graduate will get acquainted with the current laboratory technology used in diagnostic centres, based on automation of laboratory procedures combined with computer technology. The study programme is designed to enable the graduate to specialise in the following laboratory testing methods:
Laboratory methods in biochemistry
Laboratory methods in microbiology
Laboratory haematological methods
Immunological investigation methods
Cytological and histological examination methods
Laboratory methods in genetics and molecular biology

Investigative methods in occupational medicine and toxicology
Laboratory methods in pathological anatomy and forensic medicine.
Graduates of the study field of Laboratory Investigation Methods in Health Care will find wide application in state, private health care and non-health care institutions, especially in diagnostic centres, workplaces focused on biochemistry, haematology, cytology, microbiology, immunology, workplaces of medical genetics, institutes of pathology, workplaces focused on basic and applied research with a medical orientation, workplaces of sanitary services and food supervision.
A graduate of both Bachelor's and Master's studies in the field of Laboratory Investigation Methods in Healthcare may, after a defined professional practice, specialize in the fields of specialization specified in the Slovak Government Regulation No. 157/2002 on further education of healthcare professionals.

Applicability due to low number of applicants was not realized through:
https://uplatnenie.sk/?degree=V%C5%A0&vs=724000000&faculty=&field=5616V00&year=2019
https://www.vssvalzbety.sk/o-nas/uplatnenie-absolventov

b) Employers' evaluation of the quality of the study programme (feedback).
The evaluation is carried out in accordance with the document "Creation, application and evaluation of the internal quality system of VŠZaSP", as well as the Study Regulations and the Rector's Regulations, available at:
https://www.vssvalzbety.sk/o-nas/vnutorne-predpisy-smernice
https://www.vssvalzbety.sk/userfiles/INFOPORTAL/english/2STUDYREGULATIONS.pdf
https://www.vssvalzbety.sk/userfiles/INFOPORTAL/english/15Directiveondoctoralstudies.pdf

4. Structure and content of the study programme
The person responsible for the study programme submits the proposal for the development and modification of the study programme to the Rector of the SEU.
ZSP St. Elizabeth. The exact procedure for creating and approving a new study programme or modifying a current one of a study programme or its termination is regulated by the document "Creation, application and evaluation of the internal system quality of the VŠZaSP" approved by the Rector of the VŠ ZSP St. Elizabeth. In addition to the legislation in force, it is guided by the following criteria
Slovak Accreditation Agency for Higher Education.
https://www.vssvalzbety.sk/o-nas/vnutorne-predpisy-smernice

a) The University will describe the rules for the formation of curricula in the curriculum.

Doctoral study programme Laboratory Investigation Methods in Healthcare (LVM), 3rd degree focuses on the acquisition of knowledge based on the current state of LVM and especially on the student's own contribution to it, which is the result of scientific research and independent creative activity in the field of LVM. The study programme aims at ensuring the candidate's competence to work continuously scientifically and to produce a coherent scientific work in the form of a PHD thesis with own research, and the results are defended before a minimum of a 5-member committee of national and independent experts. Doctoral studies are carried out in full-time or part-time form. The standard length of studies in the full-time form is three years, in the part-time form 4 years. The doctoral student's study programme is carried out according to an individual study plan, which is drawn up by the supervisor in cooperation with the doctoral student and approved by the departmental committee.

The study programme of a doctoral student consists of a study part, which ends with a dissertation examination, a scientific part and the defence of the dissertation. The individual study plan consists of a study part and a scientific part. The full-time doctoral studies include the performance of teaching activities for a maximum of four hours per week on average per academic year in which the teaching takes place. In order to complete the doctoral study programme in full-time and part-time form, 180 credits must be obtained, including the credit evaluation of his/her doctoral thesis, if it has been accepted for defence. The standard workload of a doctoral student during an academic year is considered to be the completion of activities corresponding to 40-50 credits (external), 60 credits in the full-time form.

In the full-time form of doctoral studies, a doctoral student must obtain at least 60 credits for his/her progression from the first to the second year of study and at least 60 credits per academic year for his/her progression from the second to the third year of study, taking into account the recommended credit structure. Failure to comply with the conditions set out in the preceding paragraph may be grounds for the supervisor to submit a proposal to the Rector in the annual evaluation for the doctoral student's exclusion from studies. a) Completion of the study part :The doctoral student must complete the compulsory courses specified in his/her individual study plan. The doctoral candidate receives 20 credits for successfully passing the dissertation examination.

- **a) independent creative activity in the field of science: publications (at least 3), completion of a defined stage in own research work, presentation at a domestic professional or scientific event, presentation at a foreign or international professional or scientific event, professional or scientific internship at home or abroad, translations of foreign professional or scientific articles and tSEUr publication, active participation in the organisation of domestic and international professional or scientific seminars and conferences and other scientific activity.**
- **b) dissertation: if the dissertation is accepted for defence, the doctoral student receives 30 credits.**

If the doctoral student has completed part of his/her studies at a workplace other than his/her own (e.g. abroad), the credits obtained at this workplace are counted in full if he/she has been sent to this workplace in the framework of the fulfilment of his/her study plan. 180 credits for the entire doctoral studies include:

- **teaching activity min. 60 credits**
- **scientific activity min. 60 credits**
- **doctoral dissertation 30 credits**

1.**Teaching and study activities of the doctoral student**

Completion of compulsory lectures	**4 credits**
Doctoral student's own pedagogical activity (in the scope of 24 h)	**10 credits**
Management bc. and dipl. theses and SVOČ (max. 24 credits/study)	**8 credits**
Preparation of referee reports (max. 12 credits/study)	**3 credits**
Individual study of scientific literature	**6 credits**
Co-authorship of teaching texts	**10 credits**
Study Abroad (3 months)	**15 credits**
Rigorous examination in the field taken during PhD studies	**10 credits**
Dissertation Examination	**20 credits**
Foreign Language	**10 credits**

2. Doctoral student's scientific activity

Scientific or scholarly publications in a foreign peer-reviewed/non-peer-reviewed journal	**30/25 credits**
Scientific or scholarly publications in a domestic unranked/unranked journal	**20/10 credits**
Publication in foreign proceedings	**20 credits**
Publication in the home proceedings	**15credits**
Active participation in a conference/workshop	**10 credits**
Passive participation in a conference/workshop	**5 credits**
Participation in the organisation of the conference	**10 credits**
Citations/ domestic, foreign/	**10/15 credits**
Other scholarly activities of the student, e.g. grants, projects, etc.	**20 credits**
Defence of the dissertation (thesis)	**30 credits**

b) The University will draw up recommended study plans for each pathway in the course of study.

Higher education studies in the field of Laboratory Investigation Methods (3rd degree) are organized and registered with the support of a credit system that is fully compatible with the European Credit Transfer and Accumulation System (ECTS). All activities that the student carries out within the study, i.e. active participation in lectures, seminars and exercises, self-study, creative activity within the course, etc., are evaluated by credits. The number of credits for a course corresponds to the effort and time that the student has to spend to successfully complete the course and obtain the relevant learning outcomes. The student's curriculum specifies the number of credits that he/she must obtain during his/her studies for compulsory subjects, for compulsory elective subjects and, where applicable, for elective subjects.
The credit system allows:

- **spread the study load evenly over the entire period of study,**
- **choose your individual pace of study,**
- **choose from a range of compulsory and optional study subjects, and thus pursue tSEUr own interests and profile themselves,**
- **complete a mobility programme and earn credits at another university, possibly abroad.**

Individual credits for completed courses are cumulative. The acquisition of the specified number of credits in the prescribed composition is a condition for the proper completion of studies in the relevant study programme. The completion of the study courses is regulated in time and space and takes place during the semesters of the academic year. The timetable of the academic year is the organisational instrument of the academic year.
The school offers only one curriculum in accordance with the current legislation and requirements for professional competence in the field of "Laboratory Investigation Methods in Health Care" according to Government Regulation No. 296/2010.
Source : https://www.slov-lex.sk/pravne-predpisy/SK/ZZ/2010/296/20210101

c) The curriculum will normally state:

- *individual parts of the study programme (modules, courses and other relevant curricular and co-curricular activities, provided that they contribute to the achievement of the desired learning outcomes and yield credits) in the structure of compulsory, compulsory elective and elective courses,*
- *in the study programme, the **profile subjects** of the respective pathway of study (specialisation),*

- *for each educational part/subject defines the learning outcomes and related criteria and rules for tSEUr assessment so that all the educational objectives of the study programme are met (they can only be specified in the Course Information Sheets in the Learning Outcomes section and in the Course Completion Requirements section),*
- *prerequisites, corequisites and recommendations in the development of the curriculum,*
- *for each educational part of the curriculum/subject, determine the educational activities used (lecture, seminar, exercise, final thesis, project work, laboratory work, internship, field trip, field practicum, professional practice, state examination and others, or combinations thereof) suitable for achieving the learning outcomes,*
- *the methods by which the educational activity is carried out - full-time, distance, combined (in accordance with the Course Information Sheets),*
- *syllabus/ syllabus of the course,*
- *student workload ("scope" for individual subjects and learning activities separately)*
- *credits assigned to each section based on the learning outcomes achieved and the associated workload,*
- *the person providing the subject (or partner organisation and person), with contact details,*
- *subject teachers (or partner organisations and persons involved) (may also be listed in the IL of the subject),*
- *the location of the course (if the study programme is carried out at more than one location).*

Laboratory Investigation Methods in Health Care, PhD., external form

The programme is prepared in accordance with the requirements of Government Regulation No 296/2010

Study programme: Laboratory Investigation Methods in Healthcare (LVM)
Level of study: third, doctoral studies
Form of study: external form

Subjects that form the core of the study programme:

Economics and management in LVM and healthcare:	**10 hours**
Ethics in LVM:	**10 hours**
Clinical trials:	**10 hours**
Methodology, statistics and R&D in LVM:	**50 hours**
Investigative methods:	**20 hours**
TOTAL	**100 hours**

Foreign language - language exam- not taught

Total:
Compulsory courses: 100 hours (I and II year, 25 hours of lectures each semester)
Total credits: 4 credits (student load: 100 hours)

Laboratory Investigation Methods in Healthcare, 1st year PhD. ZS		
		Teacher
P	Economics and management in LVM and healthcare	prof. MUDr. Štefan Galbavý, DrSc. prof. MUDr. Marián Karvaj, PhD. prof. PhDr. Róbert Babeľa, PhD. , MBA
P	Ethics in LVM	prof. MUDr. Eva Grey , PhD. prof. MUDr. Mária Mojzešová, PhD.
P	Methodology, statistics and scientific research in LVM	prof. MUDr. František Mateička, CSc prof. MUDr. Anna Líšková, PhD. prof. MUDr. Štefan Galbavý, DrSc.
P	Investigative methods in biochemistry, genetics, pharmacology, haematology and microbiology	prof. MUDr. Attila Czirfusz, CSc. prof. MUDr. František Mateička, CSc. doc. MUDr. Ferdinand Sasváry, PhD. prof. MUDr. Anna Lišková, PhD.
	Total credits: 1	

Laboratory Investigation Methods in Healthcare, 1st year PhD. N		
	Name of subject	**Teacher**
P	Economics and management in LVM and healthcare	prof. MUDr. Štefan Galbavý, DrSc. prof. MUDr. Marián Karvaj, PhD. prof. MUDr. Róbert Babeľa, PhD. MBA
P	Ethics in LVM	prof. MUDr. Eva Grey, PhD. prof. MUDr. Mária Mojzešová, PhD.
P	Methodology, statistics and scientific research in LVM	prof. MUDr. František Mateička, CSc. prof. MUDr. Anna Líšková, PhD.

		prof. MUDr. Štefan Galbavý, DrSc..
P	Investigative methods in biochemistry, genetics, pharmacology, haematology and microbiology	prof. MUDr. Attila Czirfusz, CSc. prof. MUDr. František Mateička, CSc. doc. MUDr. Ferdinand Sasváry, PhD. prof. MUDr. Anna Lišková, PhD.
	Total credits: 1	

Laboratory Investigation Methods in Healthcare, 2nd year PhD. ZS		
	Name of subject	**Teacher**
P	Clinical trials	prof. MUDr. Štefan Galbavý, DrSc..
P	Methodology, statistics and scientific research in LVM	prof. MUDr. František Mateička, CSc. prof. MUDr. Anna Líšková, PhD. prof. MUDr. Štefan Galbavý, DrSc.
P	Investigative methods in biochemistry, genetics, pharmacology, haematology and microbiology	prof. MUDr. Attila Czirfusz, CSc. prof. MUDr. František Mateička, CSc. doc. MUDr. Ferdinad Sasváry, PhD. prof. MUDr. Anna Lišková, PhD.
	Total credits: 1	

Laboratory Investigation Methods in Healthcare, 2nd year PhD. N		
	Name of subject	**Teacher**
P	Clinical trials	prof. MUDr. Štefan Galbavý, DrSc.
P	Methodology, statistics and scientific research in LVM	prof. MUDr. František Mateička, CSc. prof. MUDr. Anna Líšková, PhD. prof. MUDr. Štefan Galbavý, DrSc.
	Total credits : 1	

d) The University shall indicate the number of credits, the achievement of which is a condition for the proper completion of studies and other conditions that the student must fulfil in the course of study of the study programme and for its proper completion, including the conditions of state examinations, the rules for repeating studies and the rules for extending, interrupting studies.

Higher education studies of the 3rd degree in the field of Laboratory Investigation Methods at the University of St. Elizabeth in Bratislava are organized and registered with the support of a credit system, which is fully compatible with the European Credit Transfer and Accumulation System (ECTS). All activities that a student carries out within the study, i.e. active participation in lectures, seminars and exercises, self-study, creative activity within the course, etc., are evaluated by credits. The number of credits for a course corresponds to the effort and time that the student has to spend to successfully complete the course and obtain the relevant learning outcomes.

Each student must achieve 180 ECTS including credits for the state examination.

e) The University shall indicate the requirements for the completion of the individual parts of the study programme and the student's progression through the study programme in the structure for each study plan:

- *number of credits for compulsory subjects required for the proper completion of studies / completion of part of studies - **180 credits***
- *the number of credits for compulsory elective courses required for the proper completion of studies/completion of part of studies,*
- *the number of credits for elective courses required for the proper completion of studies/completion of part of studies,*
- *the number of credits required to complete the study/completion of the part of the study for the common core and for the relevant endorsement, if it is a teaching combination study programme or a translation combination study programme,*
- *the number of credits for the final thesis and the thesis defence required for the proper completion of studies,*
- *the number of credits for professional practice required for the proper completion of the study/completion of part of the study,*
- *the number of credits required for the proper completion of the study/completion of the project work part of the study, indicating the relevant subjects in the engineering study programmes,*
- *the number of credits required for the regular completion of studies/completion of the part of studies for artistic performances except for the final thesis in artistic study programmes.*

f) The University will describe the rules for verifying learning outcomes and student assessment and the options for corrective procedures against this assessment.

Rules for the verification of learning outcomes and student assessment and the possibility of remedial procedures against for this assessment are set out in the Study Regulations and Examination Regulations of the St. Elizabeth's University of Applied Sciences, which are set out in on the school website :

https://www.vssvalzbety.sk/userfiles/INFOPORTAL/english/2STUDYREGULATIONS.pdf
https://www.vssvalzbety.sk/userfiles/INFOPORTAL/english/15Directiveondoctoralstudies.pdf

g) *Conditions for the recognition of studies or part of studies.*

The dean of the relevant faculty or institute of the university decides on the application of a student of another university, which includes a transcript of the results of studies, for enrolment in studies within 30 days from the receipt of the application. The student's progress in the study programme, the conditions for completing the individual parts of the programme and the recognition of studies are governed by the Study Regulations and the Rector's Regulation concerning recognition and the conditions for recognition of studies: https://www.vssvalzbety.sk/o-nas/vnutorne-predpisy-smernice
https://www.vssvalzbety.sk/userfiles/INFOPORTAL/english/2STUDYREGULATIONS.pdf
https://www.vssvalzbety.sk/userfiles/INFOPORTAL/english/15Directiveondoctoralstudies.pdf

h) *The University will list the thesis topics of the degree programme (or a link to the list).*

Topics of the final thesis in the field of Laboratory Investigation Methods in Health Care
Link: https://cms.crzp.sk/Default.aspx?pageid=9

i) *The University will describe or refer to:*

- *rules for assigning, processing, opposing, defending and evaluating final theses in the study programme,*

- *opportunities and procedures for participation in student mobility -* ***we do not participate***

- *the rules for observing academic ethics and drawing consequences,*

  The function of the Controller for the pedagogical activities of the University is established at the University of St. Elizabeth. Students of the Institute of Health Disciplines in Bratislava, as well as teachers can provide suggestions and information discreetly in paper form (by mail) to Ing. M Kollár, VŠZaSP sv. Alžbety, P.O. Box 104, 810 00 Bratislava, or to the e-mail address kollar.vsz@gmail.com, which can be accessed only by the named person, thus ensuring the anonymity of the submission. The Code of Ethics expresses the basic moral requirements for students (hereinafter referred to as student) in compliance with the Constitution of the Slovak Republic, Act 131/2002 z.z. on higher education as amended. In applying the Code of Ethics, students fully exercise tSEUr rights and respect tSEUr obligations as defined by the Higher Education Act and have the right to respect the freedom and integrity of tSEUr personality as a full and distinct partner in all areas of the activities of the SEU in question.
  Directive No. 07/2011, which regulates a uniform procedure for the preparation, registration, storage, access, collection and control of originality of final, rigorous and habilitation theses at the Institute of Health Disciplines in Bratislava. Both ethics and citation technique are important in citation. The ethics of citation determines the way of observing ethical standards in relation to other people's ideas and results that are contained in other documents and in the literature used. The technique of citation expresses whether and how correctly, according to the standard, the author connects places in the text with the records of documents that are in the list of bibliographic references. In the situations in question, the procedure is in accordance with the Study Regulations and the Rector's Regulations. For more information, see the university's website.
  Link: https://www.vssvalzbety.sk/kontakty/utvar-kontroly

- *procedures applicable to students with special needs,*

  The SEU also respects students with specific needs. All students are provided with all rights and obligations according to Act No. 131/2002 Coll. on Higher Education and on Amendments and Supplements to Certain Acts, as amended. The Institute of Medical Disciplines as a workplace of the University of Higher Education providing teaching of laboratory testing methods ensures optimal conditions for the study of both intact students and students with specific needs. The medical fitness requirements for applicants for the study of the medical profession are drawn up in accordance with Decree No 364/2009 of the Ministry of Health of the Slovak Republic. §1 Criteria of medical fitness for applicants for health studies. In the situations in question, the procedure shall be in accordance with the Study Regulations and the Rector's Regulations. For more information, please visit the university's website.
  Link: https://www.vssvalzbety.sk/o-nas/vnutorne-predpisy-smernice

- *student complaints and appeals procedures.*

  The evaluation of education and teachers by students of the Department of Laboratory Investigation Methods is carried out in accordance with the Principles of Evaluation of Education and Teachers by Students of the University and the anonymity of the evaluator is ensured and students have this opportunity twice per academic year. They also have the opportunity to participate in both winter and summer term evaluations. The evaluation is managed by the University Student Council in collaboration with the Faculty Management. The student representative in agreement with the lecturer on the release of students from teaching. The results of the students' evaluation of tSEUr learning are subsequently sent by the Vice Dean for External Relations and Development to the heads of the various departments. They shall implement measures aimed at improving the quality of education in tSEUr departments and subsequently inform the management of the faculty of the actions taken and the remedial measures reported to the management of the department. At the departmental level, students communicate comments through academic advisors, departmental management through personal communication

or email mail communication. The situations in question are handled in accordance with the Study Regulations and the Rector's Regulations. For more information, please visit the University website at .
Link: www.vssvalzbety.sk
Link: https://www.vssvalzbety.sk/kontakty/utvar-kontroly

In the situations in question, the procedure is in accordance with the Study Regulations and the Rector's Regulations. For more information, please visit the website of the university: www.vssvalzbety.sk

5. Information sheets of study programme courses
In the structure according to Decree No. 614/2002 Coll.

Alphabetical list:

1.	**Economics and management in laboratory testing methods in health and health care**
2.	**Ethics in healthcare laboratory methods**
3.	**Clinical trials**
4.	**Methodology, statistics and scientific research in LVM**
5.	**Investigative methods in biochemistry, genetics, pharmacology, haematology and microbiology**

Lines: https://www.vssvalzbety.sk/veda/publikacie
https://www.vssvalzbety.sk/veda/vedecke-projekty
http://www.scopus.org/name/publications/citations
https://clarivate.com/webofsciencegroup/solutions/web-of-science/
http://cms.crepc.sk

Course Information Sheet

University: St. Elizabeth University of Health and Social Work in Bratislava	
Faculty: central workplace	
Subject Code:	**Course title: Economics and Management in Laboratory Methods in Healthcare**

Type, scope and method of training activities
Type and extent:
external form: lecture (10 hours)
Method:
external form: full-time and combined

Number of credits: part of the credit assessment for lectures (4 credits/100 hours)

Recommended semester/trimester of study:
External form: 1st,2nd semester

Level of study: 3rd level of study

Prerequisite: none

Prerequisites: Active participation in lectures

Learning outcomes:
Gain an understanding of health care management and economics, health care financing and health care evaluation. Understand the basic economics of laboratory diagnostics to perform costing, pricing and budgeting for the financial management of clinical laboratory tests.

Brief outline of the course:
National economy - basic indicators. Basic concepts in health economics. Relationship between the national economy and the health status of the population, development trends. Selected macroeconomic indicators, GDP, state budget. Problems, peculiarities, characteristics of health economics. Expenditure growth, causes, solutions. Financing of health facilities. Pricing and evaluation in health care. Costs and prices, budgeting, financial strategy, financial documentation, financial instruments, financial project evaluation, strategic management, SWOT analysis, quality management (TQM, ISO 9000 accreditation), control principles, employee motivation, Managed Heath Care.

Recommended reading:
Babeľa R.: Introduction to Management. 2010, VŠZaSP St. Elizabeth
Lisý, J.,et al.: Edition Economics. Bratislava, 2002, 507 p.
Kováč, G. et al.: Costs of SVLZ examinations, 1994
Kuviková, H. et al.: Healthcare Management, Trian, 1998
Kuviková, H. et al.: Health Economics, Phoenix, 1995
Current information sources from the Internet

Language required for the course: slovak language

Notes:

Evaluation of subjects
Total number of students assessed:

A	B	C	D	E	FX
a	b	c	d	e	f

Teacher: prof. MUDr. Štefan Galbavý, DrSc., prof. MUDr Marián Karvaj, PhD., prof. PhDr. Róbert Babeľa, PhD., MBA

Date of last change: 10. 01. 2022

Approved by: prof. MUDr. František Mateička, PhD.

Course Information Sheet

University: St. Elizabeth University of Health and Social Work in Bratislava	
Faculty: central workplace	
Subject Code:	**Course title: Ethics in Laboratory Methods in healthcare**
Type, scope and method of training activities Type and extent: external form: lecture (10 hours) Method: external form: full-time and combined	
Number of credits: part of the credit assessment for lectures (4 credits/100hours)	
Recommended semester/trimester of study: External form: 1st,2nd semester	
Level of study: 3rd **degree**	
Prerequisites: Basics of scientific work	
Prerequisites: active participation in lectures	
Learning outcomes: master the basic concepts and principles of ethics in healthcare and LVM, independently analyse and evaluate specific ethical problems and situations, using rational argumentation, integrate ethical problems into practice, master the basic concepts of medical ethics, understand ethical principles, apply the Code of Ethics in practice, describe the roles of the Ethics Committee, identify ethical dilemmas, use arguments in solving ethical dilemmas.	
Brief outline of the course: 1. LVM and basic concepts of medical ethics 2.Basic principles of medical ethics, informed consent 3.Human rights and tSEUr application in practice 4.Ethical aspects of transplantation, provision of PP, blood transfusion 5.Ethical aspects of working with the terminally ill and dying 6.Euthanasia as an ethical problem 7.Ethical aspects of biomedical research 8.Code of Ethics for Healthcare Professionals 9.Establishment, mission and types of ethics committees 10.Ethical issues in other selected medical disciplines (gynaecology and obstetrics, neonatology, paediatrics, geriatrics, psychiatry)	
Recommended reading: Glasa, J., Šoltés, L. et al: Ošetrovateľská etika 1. Osveta Publishing House. Martin, 1998 Williams, J. R.: Handbook of medical ethics. World Medical Association. Ferney-Voltaire Cedex, 2008. 132 p. ISBN: 9788080950361 Šoltés, L. et al.: Selected chapters from medical ethics. Publishing house of the Comenius University in Bratislava. Bratislava, 2001 Kutnohorská, J., - Ethics in nursing. Grada, Prague 2007 Lukasová, E.: Even your suffering has a meaning. Logotherapeutic comfort in crisis. Path. Brno, 2006. 192 p. ISBN: 8085319799 Kopřiva, K.: Human relationship as a part of profession. Portál, s.r.o.. Prague, 2013. 152 p. ISBN: 9788026205289	
Language required for the course: slovak, english	
Notes:	
Course evaluation: at the dissertation examination	
Teacher: prof. MUDr. Eva Grey, PhD., doc. MUDr. Mária Mojzešová, PhD.	
Date of last change: 10. 01. 2022	
Approved by: prof. MUDr. František Mateička, PhD.	

Course Information Sheet

University: St. Elizabeth University of Health and Social Work in Bratislava	
Faculty: central workplace	
Subject Code:	**Course name: Clinical studies**
Type, scope and method of training activities Type and extent: external form: lecture (10 hours) Method: external form: full-time and combined	
Number of credits: part of the credit assessment for lectures (4 credits/100 hours)	
Recommended semester/trimester of study: External form: 3rd,4th semester	
Level of study: 3rd **degree**	
Prerequisite subjects:	
Prerequisites: active participation in lectures	
Learning outcomes: Know the basics of clinical trials, organization, documentation, identify clinical research staff, know the procedure for approval of new drugs	
Brief outline of the course: Organization of clinical research in the Slovak Republic and in the world, Types of clinical trials, Phases of clinical trials, Documentation of clinical trials, Clinical trial protocol, Informed consent, Clinical trial staff, Legislation in clinical research, Ethical principles, Reporting of NAL, End of study and its outcomes.	
Recommended reading: CenterWatch: Clinical research overview. Available from: http://www.centerwatch.com/clinical-trials/overview.aspx WHO: Clnical trials. Available at: http://www.who.int/topics/clinical_trials/en/ EMA: Clnical trials. Available at: http://www.ema.europa.eu/ema Niederland, Dzúrik et al: Clinical aspects of new drug trials. Osveta, Martin 1993	
Language required for the course: slovak, english	
Notes:	
Course evaluation: at the dissertation examination	
Teacher: prof. MUDr. Štefan Galbavý, DrSc.	
Date of last change: 10. 01. 2022	
Approved by: prof. MUDr. František Mateička, PhD.	

Course Information Sheet

University: St. Elizabeth University of Health and Social Work in Bratislava	
Faculty: central workplace	
Subject Code:	**Course title: Methodology, statistics and scientific research in LVM**
Type, scope and method of training activities Type and extent: external form: lecture (50 hours) Method: external form: full-time and combined	
Number of credits: part of the credit assessment for lectures (4 credits/100 hours)	
Recommended semester/trimester of study: External form: 1st,2nd,3rd,4th semester	
Level of study: 3rd **degree**	
Prerequisite subjects:	
Prerequisites: active participation in lectures	
Learning outcomes: Know the most used and key statistical, methodological and research methods necessary for successful completion of PhD studies and independent scientific work	
Brief outline of the course: 1. Research methodology - experimental research, observational research 2. Division of research studies - descriptive, analytical, interventional, clinical trials 3. Research plan - setting research objectives, sample selection, data collection, data analysis, data presentation 4. Basic concepts in statistics 5. Determination of the sample size 6. Descriptive statistics, measures of central tendency and dispersion, effective graphical and tabular presentation of data 7. Basics of probability theory, theoretical probability distributions 8. Methodology of hypothesis generation and testing 9. Parametric and non-parametric methods 10. Univariate statistics - normality tests, one-sample t-test, Chi-square goodness-of-fit test, binomial test 11. Bivariate statistics - Two-sample t-test, Correlation coefficients, Chi-square test of independence, Fisher's exact test 12. Multivariate statistics - ANOVA, linear regression, logistic regression, Cox hazard regression analysis and Kaplan-Meier method 13. Risk in public health and its assessment in the individual and in the population 14. Odds ratio (OR), Risk ratio (RR), Hazard ratio (HR) - calculation, interpretation and use in LVM practice	
Recommended reading: 1. Janet Peacock and Philip Peacock. Oxford Handbook of Medical Statistics, Oxford Medical Handbooks, 2010, ISBN 978-0-19-955128-6 2. RIMARČÍK, M.: Statistics for practice. 1st ed. 2007. 200 p. ISBN 978-80-969813-1-1 3. Zvárová Jana, Malý Marek, Statistical methods in epidemiology, Karolinum, 2003, p. 506, ISBN: 80-246-0765-4 4. Rudolf Gaško et al. Statistical methods for clinical epidemiology and laboratory practice. Aprilla s.r.o., Košice, 2008, ISBN - 978-80-89346-00-4 5. Janet Peacock and Philip Peacock. Oxford Handbook of Medical Statistics, Oxford Medical Handbooks, 2010, ISBN 978-0-19-955128-6 6. Martin Rusnák, Viera Rusnáková, Marek Majdan, Biostatistics for public health students, TYPI UNIVERSITATIS TYRNAVIENSIS (2010), p. 216 7. J. Chajdiak, Statistics Simply, STATIS 2003 8. B. Dawson, R. G. Trapp: Basis and Clinical Biostatistics, Medical Publishing Divison, 2005 9. http://ucebnice.euromise.cz/index.php?conn=0&section=knihy 10. http://www.healthnet.sk/martin_rusnak/Presentations/statistika/uvod.htm 11. http://rimarcik.com/navigator/	
Language required for the course: slovak, english	
Notes:	
Course evaluation: at the dissertation examination	
Teacher Prof. MUDr. František Mateička, PhD., prof. MUDr. Anna Lišková, PhD., prof. MUDr. Štefan Galbavý, DrSc.,	
Date of last change: 10. 01. 2022	
Approved by: prof. MUDr. František Mateička, PhD.	

Course Information Sheet

University: St. Elizabeth University of Health and Social Work in Bratislava	
Faculty: central workplace	
Subject Code:	**Course title: Investigative methods in biochemistry, genetics, pharmacology, haematology and microbiology**
Type, scope and method of training activities Type and scope: external form: lecture (20 hours) Method: full-time form: full-time and combined external form: full-time and combined	
Number of credits: part of the credit assessment for lectures (4 credits/100 hours)	
Recommended semester/trimester of study: External form: 1st,2nd,3rd semester	
Level of study: 3rd **degree**	
Prerequisite subjects:	
Prerequisites: active participation in lectures	
Learning outcomes: To know selected investigative methods in the field of LVM necessary for successful completion of PhD studies and independent scientific research work in the field of biochemistry, genetics, pharmacology, haematology and microbiology	
Brief outline of the course: Biochemistry: interpretation of results, biochemical examination at the bedside, reference values, standard clinical biochemical diagnostics, molecular basis of clinical biochemistry. Pharmacology: strategies and forms of pharmacotherapy. Information resources in pharmacology. Pharmacoepidemiology. Pharmacoeconomics. Methods of drug evaluation. GLP, CAP. Ethical standards in the administration and evaluation of medicines. Medicines policy. Problems of self-medication. Patient compliance. Medication risk and its prevention. Pharmacovigilance and monitoring of NMPs. Therapeutic monitoring of drug levels. Specificities of treatment in pregnancy, lactation. Specificities of treatment in childhood and geriatrics. Substances affecting the immune system. General principles of poison therapy. Drug dependence - forms. Principles of pharmacotherapy in emergency medicine. Pharmacotherapy of anaphylactic shock. Xenobiotics. Chemoprevention of diseases through drugs and other substances (cardiovascular, cancer, infectious diseases). Antibiotics. Antiseptics and disinfectants. Genetics: Theoretical basis and practical application of methods used in molecular genetic and cytogenetic diagnosis of hereditary pathological traits, diseases and syndromes in humans. Principles of biological experiment design. Mutagenesis and teratogenesis. Specific work in the molecular genetics laboratory (preparation of DNA fragments, electrophoresis, blotting, probe hybridisation). Methods of DNA analysis (PCR, RFLP, VNTR, fingerprint) and tSEUr practical use in the differential diagnosis of pathological conditions. Methods of testing for mutagens and teratogens. Haematology: Red and white blood series and tSEUr pathology, haemostasis and haemocoagulation, blood products, laboratory diagnosis, preparation for laboratory tests, laboratory equipment, assessment procedures, control tests, protection against blood-borne diseases. Microbiology: Microbiological diagnosis of diseases of bacterial, viral, mycotic and parasitic aetiology, focusing on affected systems and organs and interpretation of test results. Principles of correct collection of transport and processing of material and the most common errors affecting the result of the examination and its interpretation. Infections of the upper respiratory tract, oral cavity and salivary glands, lower respiratory tract, uropoietic system, neuroinfections, infections of the skin, subcutaneous tissue, wounds, decubitus, soft tissues, eye, bones and joints, intestinal infections, liver infections, gall bladder, biliary tract, appendicitis, peritonitis, sexually transmitted infections, genital infections, antenatal, perinatal and early postnatal infections, systemic diseases of microbial aetiology with skin manifestations. Infections caused by anaerobic non-sporulating bacteria and mycobacteria Microbiological diagnosis of zoonoses - interpretation of test results. The importance of the possibility of rapid diagnosis of infections by evidence of the etiological agent in various biological materials. Interpretation of the results of qualitative and quantitative susceptibility tests of bacteria and yeasts to anti-infective drugs. New and newly recognized infections. Bioterrorism and microbial diagnostic capabilities for bioweapons-associated diseases. Immunopathologies as a consequence of microbial infection - possibilities of microbiological diagnosis and interpretation of test results. Biofilms of bacteria and tSEUr significance in the development of endoplastitis.	
Recommended reading: Dzúrik, R. et al.: Standard clinical-biochemical diagnostics, Osveta. Martin 1990. Kriška, M. et al.: Memorix of clinical pharmacology. Bratislava. SAP, 2002. 879 p. Magulová L., Božeková L., Kriška M.: Drug interactions in clinical practice. Medical Interactions in Drug Therapy, Clinical Interactions in Medicinal Medicines. SAP 2003,p. 328 Kriška, M. et al. Bratislava. SAP, 2000. 474 p. Vojtaššák, J. et al.: Selected chapters from medical biology and human genetics. 1st edition, UK Publishing House Nečas, O. et al.: Obecná biologie pro lékařské fakulty, 3rd revised edition, ed. Jinočany: Nakladatelství a vydavatelství H a H, 2000. Sakalová, A., Lipšic, T. et al.: Haematology and transfusiology in practice. Osveta, 1995 Firedman, B.: Hematology in practice, Glaxo, 1994 Záhradnícky et al.: Microbiology 1, 2. Martin: Osveta 1991 Bulletins of the Ministry of Health of the Slovak Republic (updated).	
Language required for the course: slovak, english	
Notes.	
Course evaluation: at the dissertation examination	
Teacher: **prof. MUDr. František Mateička, PhD., prof. MUDr. Anna Lišková, PhD., doc. RNDr. Attila Czirfusz, PhD., doc. MUDr. Ferdinand Sasváry,**	

PhD.
Date of last change: 10. 01. 2022
Approved by: prof. MUDr. František Mateička, PhD.

6. Current academic year schedule and current timetable (or hyperlink).

The current schedule is listed here: https://www.vssvalzbety.sk/katedry/ustavy/uzd/LVMaZUTE/rozvrhy

7. Staffing of the study programme

a) Person responsible for the implementation, development and quality of the study programme (with position and contact details).

prof. MUDr. František Mateička, PhD. in the function of professor, xxx@xxx

b) List of persons providing profile subjects of the study programme with assignment to the subject with a link to the central register of university staff, with contact details (they may also be listed in the study plan).

prof. MUDr. Anna Líšková, PhD. - https://www.portalvs.sk/regzam/detail/10612
prof. RNDr. Gertrúda Mikolášová, PhD., mikolasova@vssvalzbety.sk https://www.portalvs.sk/regzam/detail/12302
RNDr. Mgr. Jaroslava Sokolová, PhD., MPH
RNDr. Naďa Bešinová, PhD.

Name and surname of the teacher	Subjects	Link to CRZ SEU, ID	Contact
prof. MUDr. František Mateička, CSc. prof. MUDr. Anna Líšková, PhD. prof. MUDr. Štefan Galbavý, DrSc..	Methodology, statistics and scientific research in LVM		
prof. MUDr. Attila Czirfusz, CSc. prof. MUDr. František Mateička, CSc. doc. MUDr. Ferdinand Sasváry, PhD. prof. MUDr. Anna Líšková, PhD	Investigative methods in biochemistry, genetics, pharmacology, haematology and microbiology		

c) Reference to the scientific/artistic/pedagogical characteristics of the persons providing the profile subjects of the study programme.

The scientific/artistic and pedagogical characteristics of the persons providing the profile subjects of the study programme are listed on the website of the university.
Lines: **https://www.vssvalzbety.sk/veda/vupch**
https://www.vssvalzbety.sk/veda/publikacie
https://www.vssvalzbety.sk/veda/vedecke-projekty
http://www.scopus.org/name/publications/citations
https://clarivate.com/webofsciencegroup/solutions/web-of-science/
http://cms.crepc.sk/

d) List of teachers of the study programme with assignment to the subject and link to the central register of university staff, with contact details (may be included in the study plan).

Name of subject	Surname and first name	Feature	Qualifications	Working time	Type of educational activity	The core of the School *yes/no*
Economics and management in laboratory testing methods in health and health care	Galbavý Štefan	1P	11	100	P	Yes
	Karvaj Marián	1P	11	100	P	
	Babeľa Róbert	1P	11	100	P	
Ethics in healthcare laboratory methods	Grey Eva	1P	11	100	P	Yes
	Mojzešová Mária	2D	21	100	P	

Clinical trials	Galbavý Štefan	1P	11	100	P	Yes
Methodology, statistics and scientific research in LVM	Galbavý Štefan Liskova Anna Mother Francis	1P 1P 1P	11 11 11	100 100 100	P P P	Yes
Investigative methods in biochemistry, genetics, pharmacology, haematology and microbiology	Mother Francis Liskova Anna Czirfusz Attila Sasváry Ferdinand	1P 1P 1P 1P	11 11 11 21	100 100 100 100	P P P P	Yes

e) List of thesis supervisors with assignment to topics (with contacts).

Title of work	Title, Name and surname of the supervisor
Staphylococcal wound infections- monitoring PVL-toxin production in MRSA/MSSA strains.	**prof. MUDr. Mariana Mrázová PhD.**

f) Reference to the scientific/artistic and pedagogical characteristics of the thesis supervisors.
Link: https://www.vssvalzbety.sk/veda/vupch

g) Student representatives who represent the interests of students in the study programme (name and contact details).
MUDr. Ivana Hubenáková

h) Study programme advisor (with contact details and information on access to advice and timetable).

prof. RNDr. Gertrúda Mikolášová, PhD., in the function of professor, xxx@xxx
Wednesday: from 09:00h to 11:00h
Thursday: from 13:00h to 15:00h

i) Other study programme support staff - assigned study officer, careers advisor, administration, accommodation office, etc (with contacts).
Ing. Anna Havránková, PhD. Administrative Worker at the Office of the Institute of Public Health

8. Spatial, material and technical provision of the study programme and support

a) List and characteristics of the study programme classrooms and tSEUr technical equipment with assignment to the learning outcomes and subject matter (laboratories, project and art studios, studios, workshops, interpreting booths, clinics, seminaries, science and technology parks, technology incubators, school enterprises, practice centres, training schools, teaching and training facilities, sports halls, swimming pools, sports grounds).

VŠZaSP St. Elizabeth has three teaching workplaces at Nam. 1. May and Polianki pod Brehmi, where two buildings are available. On Nam. May 1, there is an Aula in the basement /Auditorium A/ with a capacity of 120 seats, which has a variety of uses. In addition to the lecture room, it also serves as a representative room for graduations and conferences. On the ground, first and second floors there are 5 lecture rooms /Lecture Rooms B, C, D, E, F/ with a capacity of 80 seats each. In addition, there is a library, rooms for teachers, laboratories and 1 demonstration room. The University has 13 lecture rooms and one computer science classroom with 15 computers with Internet access and unlimited WIFI connection in both buildings at the Polianky - Pod Brehmi 4/A site in Bratislava. A cafeteria is available to students. Polianky 1 has five lecture rooms with a capacity of 100 and 35 seats on the ground floor and a textbook shop that serves students. Upstairs there are lecture rooms with capacities of 80, 20, 40 and 35 seats. An interactive whiteboard is installed in the 80-seat classroom. In addition, teachers have tSEUr workstations here. Ground floor of Building I: Lecture room "005" with a capacity of 35 seats, lecture room "009" with a capacity of 100 seats, and a copy shop. Floor of Building I : Room "102" with a capacity of 80 seats, Room "104" with a capacity of 20 seats, Room "105" with a capacity of 40 seats, Room "107" with a capacity of 35 seats. Polianky II has lecture rooms on the ground floor - lecture room "A" with a capacity of 160, lecture room "C" with a capacity of 80, lecture room "B" with a capacity of 45 seats and lecture room "D" with a capacity of 50 seats. Upstairs there are 2 rooms with a capacity of 30 seats each - lecture room "E", and Computer Science classroom , lecture room "F" with a capacity of 70 , lecture room "E" with a capacity of 78 seats and there are also rooms for teachers. The relative location of the premises at 1 May Square No.1 - the building of the Rector's Office of the VŠZaSP St. Elizabeth, n.o. at Nám. 1. May No. 1 is seamless, the transfer of students in time is in the range of 10-15 min.

Classrooms
Specialized teaching is carried out in the classrooms of the University in Bratislava. It has a fully equipped multimedia room, which includes an interactive digital whiteboard with superior sound equipment suitable especially for playing multimedia files. The school has a network licence of SPSS version 18 for 25 computers that can be used in parallel. Another specialised classroom is equipped with 15 computers containing 30 pieces of standard software - Windows XP, the Microsoft Office office suite with programs (Microsoft Word, Microsoft Excel, Microsoft Outlook, Microsoft Power Point) - as well as means of communication, in particular means based on the use of computer networks, multimedia means.

Material and technical support necessary for the teaching of the study programme.
The classrooms are set up with chairs with a tilting desk designed for writing. Ceramic blackboards are installed in the classrooms, and there is an interactive whiteboard in room 102. For lecturing activities, portable computers and projection equipment are available, along with a data projector, overhead projector and sound equipment as required by the lecturers.
https://www.vssvalzbety.sk/o-nas/ekonomika/inventarne-supisy

b) Characteristics of information provision of the study programme (access to study literature according to course information sheets), access to information databases and other information resources, information technologies, etc.).

Specialized teaching is carried out in the classrooms of the University in Bratislava. It has a fully equipped multimedia room, which includes an interactive digital whiteboard with superior sound equipment suitable especially for playing multimedia files. The school has a network licence of SPSS version 18 for 25 computers that can be used in parallel. Another specialised classroom is equipped with 15 computers containing 30 pieces of standard software - Windows XP, the Microsoft Office office suite with programs (Microsoft Word, Microsoft Excel, Microsoft Outlook, Microsoft Power Point) - as well as means of communication, in particular means based on the use of computer networks, multimedia means. Most of all, students have access to professional literature and Internet access with FREE WIFI.
There are classrooms available that meet the criteria of the Ministry of Health used when issuing an opinion on accreditation (Resolution No.3/GP of the Minister of Health). Teaching staff regularly publish teaching texts, textbooks for the subjects they teach. At present, each compulsory subject is provided with a teaching text published by the VŠZ and SP St. Elisabeth in Bratislava. The library and the study room are accessible to students daily within the scope of regular teaching hours. The system for recording works received, issued and borrowed is local. The library includes a reading room. In the reading room there is permanent access to the Internet and to the database of registered works - available for study and loan. The PCs are connected to a central printer with the possibility of printing and reproducing the materials studied. The department has its own editing program.
The Department of Health Disciplines and LVM has a library with 18 SCI journals and over 200 book titles and a computer lab with internet access. The library has book titles and scripts in both Slovak and English. The University library is being built as a comprehensive automated information and library system. It is connected to the Internet and is equipped with information networks. There is a lending library of monographs, teaching texts and electronic documents, as well as qualification theses (diploma, dissertation, rigorous, habilitation theses). A multimedia-equipped study room with computers and a data projector is available for loan. Library and information services are focused on:
-borrowing absentee
-loan attendance
-interlibrary
-consulting , in the use of information technology
-editorial , services with the provision of ISBN in the issuance of publications in the framework of the school publishing
-reprographic services for library users,
-sale of professional literature authored by university lecturers of the St. Elizabeth University of Applied Sciences
-entries into central registers.
Up-to-date information about the library can be found on the library's homepage, which is continuously updated at:
http://www.vssvalzbety.sk/kniznica
https://www.vssvalzbety.sk/veda/publikacie

Information Technology
Information Systems (IS)
During the period 2015 - 2020, several new and upgraded existing IS of the University were deployed providing information for management resistance in the following areas:

- **Student Records - The Academic Information System (AIS) is currently used for both student records and records of learning outcomes. In addition to learning outcomes, it also contains records of final papers, timetable and student registration. At the same time, the AIS provides data for the Central Register of Students and the Central Register of Final Papers. At management level, the AIS serves as a source for reporting on teaching and for measuring the educational performance of the departments and tSEUr study offer.**
- **DOC (document management system) serves as an authorized zone for employees and students of the university and together with the intranet part of the website provides access to current documents (internal regulations of the university and faculty, forms, decisions of the rector, deans (e.g. in the field of scholarships), software (licensed and freely available), working materials of management units, etc.**
- **E-learning systems to support teaching and project support -**

Presentation of the University externally is ensured by its website.

c) Characteristics and scope of distance learning applied in the curriculum with assignment to courses. Approaches, manuals of e-learning portals. Procedures for transition from full-time to distance learning.

Distance education is provided by an internal online learning system called ELIX, which was prepared only for the needs of the University. The system allows for real-time lecturing with active feedback as well as providing feedback and student opinions through surveys. The system also allows for individual testing in the form of a quiz, where a different quiz can be prepared for each student at a specific time. Link: https://elix.seuniversity.eu . At the same time, the University has an electronic system CISCO Webex (webex.com). In the Square. 1. may 1 there is a room with complete multimedia equipment for conference transmission.

d) Partners of the university in the provision of educational activities of the study programme and characteristics of tSEUr participation.
Healthcare facilities designated for students' practice: the National Institute of Childhood Diseases, the National Institute of Oncology, the St. Elizabeth Oncological Institute, the FNsP in Nové Zámky
List of concluded cooperation agreements : **https://www.vssvalzbety.sk/o-nas/ekonomika/zmluvy**

e) Characteristics on social, sporting, cultural, spiritual and social opportunities.
The Institute of Health Disciplines has cooperation with the Salesian Don Bosco Pastoral Centre in Petržalka, Mamateyova Street. The sports complex of this centre can be used by students for sports activities.

f) Opportunities and conditions for students to participate in mobility and internships (with contact details), guidelines for applying, rules for recognition of this learning. **We do not currently implement**

9. Required abilities and prerequisites of the candidate for the study programme
https://www.vssvalzbety.sk/veda/doktorandske-studium/prijimacie-konanie

a) Required competences and prerequisites for admission.

The basic condition for admission to the doctoral studies is the completion of a second degree in Laboratory Investigation Methods or in a related field in the Slovak Republic or abroad. On the basis of a written application, the student is invited to an entrance examination. The entrance examination for doctoral studies consists of:
- **the student must pass a world language entrance exam (AJ, NJ, RJ,) - written test,**
- **from the professional oral examination of the relevant field of study,**
- **from the presentation and defence of the dissertation project /title of the thesis, focus of the theoretical part, objectives of the thesis, methods of work, expected outputs, benefits and significance of the thesis, so that they correspond to the requirements of the respective field of study. The thesis must be supervised by a supervisor or a specialist supervisor approved by the Scientific Council. Admission to the third cycle of studies is governed by Act No 131/2002 Coll. on Higher Education, as amended, §56, paragraph (4) .**
  https://www.vssvalzbety.sk/veda/doktorandske-studium/prijimacie-konanie
  https://www.vssvalzbety.sk/userfiles/INFOPORTAL/english/2STUDYREGULATIONS.pdf
  https://www.vssvalzbety.sk/userfiles/INFOPORTAL/english/15Directiveondoctoralstudies.pdf

b) Admission procedures.

Pursuant to Section 58(6) of the Higher Education Act, the dean decides on admission to study a study programme implemented by a faculty. The Rector decides on admission to study a study programme run by a higher education institution.
https://www.vssvalzbety.sk/userfiles/INFOPORTAL/english/2STUDYREGULATIONS.pdf
https://www.vssvalzbety.sk/userfiles/INFOPORTAL/english/15Directiveondoctoralstudies.pdf
https://www.vssvalzbety.sk/veda/doktorandske-studium/prijimacie-konanie

c) Recent admissions results.

10. Feedback on the quality of education provided:
https://www.vssvalzbety.sk/o-nas/kvalita-vzdelavania
https://www.vssvalzbety.sk/o-nas/kontrola
https://www.vssvalzbety.sk/o-nas/uplatnenie-absolventov

Link to the Report on Monitoring the Quality of Education at St. Elizabeth's University of Applied Sciences, n.o. :
https://www.vssvalzbety.sk/userfiles/KvalitaVzdelavania/HodnotenieKvality-vzdel-rok-2019-2020.pdf
https://www.vssvalzbety.sk/o-nas/kontrola

The annual report of the University which includes the measurement of the quality of studies (Chapter XII.):
https://www.vssvalzbety.sk/userfiles/VyrocnaSPRAVA/VyrocnaspravaocinnostiVSZaSPsv.Alzbetyzarok2020.pdf

a) Procedures for monitoring and evaluating students' views on the quality of the study programme.

Lines: **https://www.vssvalzbety.sk/o-nas/vnutorne-predpisy-smernice**

https://www.vssvalzbety.sk/o-nas/kontrola

http://alumni.vssvalzbety.sk/dotaznik

https://www.vssvalzbety.sk/o-nas/vyrocne-a-hodnotiace-spravy

b) Results of student feedback and related measures to improve the quality of the study programme.

Lines: **https://www.vssvalzbety.sk/o-nas/kvalita-vzdelavania**
https://www.vssvalzbety.sk/o-nas/vyrocne-a-hodnotiace-spravy
https://www.vssvalzbety.sk/o-nas/kontrola
http://alumni.vssvalzbety.sk/dotaznik

c) The results of alumni feedback and related measures to improve the quality of the study programme.
Lines: https://www.vssvalzbety.sk/o-nas/uplatnenie-absolventov
https://www.vssvalzbety.sk/o-nas/kvalita-vzdelavania

9. 10. **Feedback on the quality of education provided:**
https://www.vssvalzbety.sk/o-nas/kvalita-vzdelavania
https://www.vssvalzbety.sk/o-nas/kontrola
https://www.vssvalzbety.sk/o-nas/uplatnenie-absolventov

Link to the Report on Monitoring the Quality of Education at St. Elizabeth's University of Health and Social Work, n.o. :
https://www.vssvalzbety.sk/userfiles/KvalitaVzdelavania/HodnotenieKvality-vzdel-rok-2019-2020.pdf
https://www.vssvalzbety.sk/o-nas/kontrola

The annual report of the University which includes the measurement of the quality of studies (Chapter XII.):
https://www.vssvalzbety.sk/userfiles/VyrocnaSPRAVA/VyrocnaspravaocinnostiVSZaSPsv.Alzbetyzarok2020.pdf

d) Procedures for monitoring and evaluating students' views on the quality of the study programme.
Links:
https://www.vssvalzbety.sk/o-nas/vnutorne-predpisy-smernice
https://www.vssvalzbety.sk/o-nas/kontrola
http://alumni.vssvalzbety.sk/dotaznik
https://www.vssvalzbety.sk/o-nas/vyrocne-a-hodnotiace-spravy

e) Results of student feedback and related measures to improve the quality of the study programme.

Links:
https:**//www.vssvalzbety.sk/o-nas/kvalita-vzdelavania**
https://www.vssvalzbety.sk/o-nas/vyrocne-a-hodnotiace-spravy
https://www.vssvalzbety.sk/o-nas/kontrola
http://alumni.vssvalzbety.sk/dotaznik

f) The results of alumni feedback and related measures to improve the quality of the study programme.

Link: https://www.vssvalzbety.sk/o-nas/uplatnenie-absolventov
https://www.vssvalzbety.sk/o-nas/kvalita-vzdelavania

Links to other relevant internal regulations and information related to the study or the student's study programme (e.g. study guide, accommodation regulations, fee guidelines, student loan guidelines, etc.).

- **The fee guidelines are available here:**
https://www.vssvalzbety.sk/userfiles/INFOPORTAL/english/17DIRECTIVENo012022ontheamountoftuitionfeesandfeesassociated withstudying.pdf

- **Social scholarships:** https://www.vssvalzbety.sk/userfiles/INFOPORTAL/english/9SCHOLARSHIPREGULATIONS.pdf

- **Scholarship Regulations:** https://www.vssvalzbety.sk/userfiles/INFOPORTAL/english/9SCHOLARSHIPREGULATIONS.pdf

- **Pregnancy scholarships:** **https://www.vssvalzbety.sk/userfiles/INFOPORTAL/english/9SCHOLARSHIPREGULATIONS.pdf**

- **Motivational scholarships:** **https://www.vssvalzbety.sk/userfiles/INFOPORTAL/english/9SCHOLARSHIPREGULATIONS.pdf**

- **Social Counselling Centre for Students:** https://www.vssvalzbety.sk/katedry/centrum-sp
- **Career Guidance Centre:** https://www.vssvalzbety.sk/katedry/centrum-kp
- **Long term plan** : https://www.vssvalzbety.sk/o-nas/dlhodoby-zamer
- **Domestic and international accreditations :** https://www.vssvalzbety.sk/o-nas/akreditacie
- **Achievements of St. Elizabeth University of Health and Social Work:** https://www.vssvalzbety.sk/o-nas/uspechy-vs
- **Employment of graduates of St. Elizabeth University of Health and Social Work and their evaluation by employers :** https://www.vssvalzbety.sk/o-nas/uplatnenie-absolventov
- **Internal system of St. Elizabeth University of Health and Social Work:** https://www.vssvalzbety.sk/o-nas/vnutorny-system