

**THE LITHUANIAN UNIVERSITY OF HEALTH SCIENCES
VETERINARY ACADEMY
THE FACULTY OF ANIMAL SCIENCE**

**REGULATIONS FOR PREPARATION AND DEFENSE FOR THE MASTER THESIS OF
THE STUDY PROGRAMS OF ANIMAL SCIENCE (TECHNOLOGY OF ANIMAL
HUSBANDRY UNTIL 2018), ANIMAL AND HUMAN INTERACTION (MANAGEMENT OF
ANIMAL RESOURCES UNTIL 2018)**

I. GENERAL PART

1. These regulations indicate the preparation, defense and evaluation of Master Thesis. A positive evaluation of the final thesis allows the student to be awarded a master's degree and university diploma.
2. These procedures are prepared under the following legal acts:
 - 2.1. The law of Science and Studies of the Republic of Lithuania (on 30 April 2009, No. XI 242). (Žin., 2009, Nr.54-2140).
 - 2.2. The law of Science and Studies of the Republic of Lithuania for "The confirmation of General Requirements for the study programs of Master Thesis" (on 3 June 2010, No. V-826). (Žin., 2010, Nr. 67-3375).
 - 2.3. The regulations for Studies of Lithuanian University of Health Sciences (approved by University Senate, decision No. 123-03 on 20 June 2019).
 - 2.4. The regulation for Student Achievement Assessment (approved by University Senate, decision No. 25-07 on 14 December 2012).
 - 2.5. Regulations of the preparation of e-documents of LSMU Master Thesis, Doctoral Dissertations or Summaries of Monographs, their preparation for uploading and the uploading into edocument storage bases of Science and Studies of the Republic of Lithuania and their usage procedure (approved by Senate's Decree No. 5-02 on 21 January 2011).

II. MAIN CONCEPTS, FUNCTIONS, DUTIES AND RESPONSIBILITIES

3. **The Master Thesis** is the student's individual work, based upon his own scientific research or performed scientific farm or manufacturing trials.
 - 3.1. The research of the Master's Thesis must be performed by evaluating the biological, chemical, physiological, morphological, reproductive, productive or other indicators relevant to the chosen topic.
 - 3.2. The Master student has to demonstrate the level of his knowledge and understanding, the ability to analyze the chosen theme, to evaluate the national and international researches in respective field works carried out by other scientists previously, independently learn and carry out chosen researches using modern research methods. The student has to describe his research, to make clear and reasonable conclusions of the research.
4. The author of Master Thesis is a person who studies Master study program in the university. The student has the right to defend his Thesis once he completes all academic requirements of the study

program. Student's obligations during the defense and preparation of the Master Thesis:

- 4.1. To choose the topic of the Thesis in the appropriate department at the set time.
 - 4.2. To prepare a plan and a schedule of the Thesis with the supervisor's assistance and to follow them.
 - 4.3. To cooperate with the supervisor by discussing the implementation of the work and emerging issues.
 - 4.4. To deliver the primary text of the Thesis and to correct it following the supervisor's recommendations and remarks.
 - 4.5. To deliver the Thesis to the Head of the Department/ Institute on the set time and to attend a Department / Institute meeting.
 - 4.6. To carry out other functions indicated in the regulations of Senate of LSMU "Regarding LSMU ETD for submitting electronic documents for upload and procedure of upload and use (decision No . 5-02 on 21 January 2011).
5. The supervisor of the Master Thesis must have the doctor's degree. By the decision of the Head of the Department, a person who does not have a doctoral degree may also be the supervisor. The candidacies of the supervisors are approved by the Head of Department / Institute. The functions of the supervisor of the Master Thesis:
- 5.1. To consult the student on the formulation of the topic, aim, objectives of the Thesis and to prepare the plan of the implementation of the Thesis
 - 5.2. To advise on the methodology of the Thesis.
 - 5.3. To consult the student and to recommend the consultants in relevant scientific areas.
 - 5.4. To observe systematically the preparation course of the Thesis and to assist if any difficulties arise.
 - 5.5. To make proposals and remarks to the student during the preparation course.
 - 5.6. To discuss and interpret the research findings with the student.
 - 5.7. To discuss the presentation of the Thesis prepared by the student.
 - 5.8. To attend the meeting of the Department / Institute regarding discussion of the Thesis.

III. SELECTION OF THE THESIS TOPIC AND WORK PLAN

6. The student chooses the Department / Institute where the Thesis will be completed according to terms and number places in the Departments specified in study regulations of LSMU.
7. The student chooses the supervisor of the Thesis after consultation with the Head of the Department or obliged lecturers, researchers.
8. The student with the consent of the supervisor settles the topic of the Thesis, prepares the individual plan of the Thesis (Annex No. 1) and gives it to the Dean. The topic of the Thesis must be relevant to the Master's study field. The work must be done independently, be original, have a theoretical or practical significance.
9. The heads of the Department / Institute provide the dean with a list of students preparing the final Thesis with the topics approved at the Department / Institute meeting. The head of the Department / Institute is responsible for the compliance of the topics with the master's study field.
10. Supervisors and topics of the Theses are approved by the Dean's decree.
11. The student together with the supervisor must provide the object of work, select the appropriate methodology, tools, location of work, etc., considering the research work plan. Before the researches the student must be familiar with the methods used by the study, learn to prepare reagents (if necessary), to get acquainted with the taking of samples for analysis, their preparation for chemical analysis, etc. and learn to process the obtained research results statistically. During the preparation of the Thesis the student must submit the report (Annex No. 2) to the Department / Institute at the end of each academic year.

IV. REQUIREMENTS FOR THE PREPARATION OF THE MASTER THESIS

12. The Thesis consists of the following sections:

The title page;

The flyleaf;

The contents;

Abbreviations (if necessary);

Summary (in Lithuanian and foreign languages);

The introduction;

The purpose and objectives;

1. The literature review;

2. The methods and materials of the research;

3. The results;

4. The discussion of results;

The conclusions;

The practical recommendations;

The references; (The list of literary resources)

Annexes (if necessary).

The material presented must be presented in a consistent, logical and concise manner. All sections start on a new page.

12.1. The title page (Annex No. 3). It must be laid out as shown in Annex No. 1. It consists of two parts, it provides basic information about the final work: name of the faculty and the department, full name of the student, title of the topic, name of the study program, full name of the supervisor, pedagogical title, scientific degree, scientific consultant (if any), city, year.

12.2. Flyleaf (Annex No. 4). It provides information of time and place of the final Thesis; full name of the student; full name of the supervisor and scientific consultant (if any), pedagogical title, scientific degree; name of the department.

12.3. The contents. The table of contents lists the chapters and subsections of the Thesis, indicating the page on which they begin. The titles of the chapters must be written in capital letters, while the titles of sections and subsections must be in small letters. Each content section has its own number, the subsections are numbered with two digits separated by a dot. Part of a smaller structure - the **section** consists of three numbers. Numbered in Arabic numerals. Abbreviations, introduction, conclusions, recommendations, list of literature and annexes are not numbered.

12.4. **The summary.** It is a short description of the essence of the Thesis. This section is not numbered, but is included in the total number of pages. The summary is written in Lithuanian and one of the selected languages (eg English, German or French) is required. It is written on a separate page. The size of the summary is limited to one A4 page (2,700 characters). The summary should start with author's name and surname, the research title and text indicating the following: the research aim, the objectives, the methodology, the study participants, the research results, conclusions and recommendations (if any).

12.5. **Acknowledgments (optional work).** The summary might be followed by the acknowledgment that is not included in the content. These may be expressed to those who have contributed to the development of the scientific research.

12.6. **Abbreviations list.** Abbreviations are written on a separate sheet, it is not numbered, it is included in the content.

12.7. **The introduction.** Recommended introduction is up to 2 pages (up to 5,400 characters). It briefly discusses the relevance, theoretical and practical significance of the Thesis, substantiates the relationship

of the chosen topic with the research methodology and results.

12.8. The aim and objectives. The Thesis presents one aim. The objectives of the work indicate how the intended goal of the Thesis will be achieved. A few objectives (3-5) are indicated, which can be carried out under given circumstances, they are numbered. In a qualitative study, a research question or questions may be formulated instead of objectives.

12.9. The literature review. The scientific researches carried out in Lithuania and abroad that are relevant to the topic of the Thesis must be described in the review of the literature. The number of literature sources in the study work is not limited. It is recommended to use the latest publications of the authors (not older than 10 years). It is not recommended to cite the textbooks as they they are only the material re-quoted by other authors. This section should not be more than 20-25 percent of the Final Master Thesis work.

12.10. The methods and materials of the research. The following aspects must be described: research planning (organization), research object, sample selection (population, sample), research methods, data analysis methods (if quantitative data are analyzed, statistical analysis methods must be indicated).

12.11. The results. Research data should be presented, analysed and summarized. In this section the findings of the researches conducted by the author are presented. This chapter may consist of sections and subsections. It is recommended to present the results using tables and figures (tables and figures should not duplicate each other). The results of qualitative research are presented on exceptional topics that the researcher analyzes.

12.12. The discussion of results. In this part the student compares his findings with the findings of other authors (the scope 2–3 pages).

12.13. Depending on the specifics of the final work, the sections mentioned in points 12.11 and 12.12 may be merged. Then the title of this chapter would be: Results and Discussion.

12.14. Conclusions. This section presents the findings based on research results. In a qualitative study, insights can sometimes be provided instead of conclusions. Conclusions are the answer to the aim and objectives of the thesis stated at the beginning of the thesis. They must be enumerated and formed on the basis of the research results in logical and brief manner and according to the sequence of the tasks. Each task can have more than one conclusion but it must reflect all the formulated objectives.

12.15. The practical recommendations regarding the application of research methods and tools required to solve the problem are described in this part.

12.16. The list of literature. It must be written on the new page and only literature quoted in the thesis should be included. The bibliographical descriptions of the publications used in the Thesis must be presented according to their sequence of quotation in the text. The list of literature must be completed under Vancouver referencing style. The descriptions must not be transliterated (original language must be left). Sources mentioned by the authors of the cited source quoted work can not be included in the list of literature. The enumerated bibliographical descriptions of the used literature and Internet sources must be presented. All references must be applied consistently punctuation system, proper spelling and punctuation must be used in the list of literature. When describing articles from books, the word 'From' or , 'In' must be written before the title of the book and indicate the pages where the quoted part is printed. When describing an article, indicate its authors, title, journal title, year of publication, number or volume, pages on which the article was published. The description of electronic sources must indicate the author or authors, title (title of the book, magazine or article), publication data (place, publisher, year), if they are indicated in the source, type of media, date of reference, conditions of access. Examples of literature list are given in Annex No.5.

12.18. Annexes is an optional part. The additional, auxiliary information, or information independently prepared by the author may be included in the annexes section (e.g. more specific statistical information, questionnaires of survey, maps, etc.). Each annex must begin on a new page and numbered in numbered in succession. The text is linked to the annexes by links.

V. METHODOLOGICAL REQUIREMENTS OF THE THESIS

13. The Thesis must be bound and submitted as required. The Thesis is bound in such a way that it is not possible to tear out the sheets. Recommended scope of the Thesis is 40-50 pages, excluding annexes.

14. The Thesis must be written in official Lithuanian or English language without any clerical errors, written in fluent and correct language.

15. General text requirements:

15.1. **Format, font.** The text must be printed on one side of white A4 format paper sheet (210 x 297 mm), the space of 6 mm (1.5 line interval) needs to be left between the lines. The margin sizes: 3cm on top, 2,5 cm on left, , 1 cm on right and 2 cm on bottom. The sheet position (orientation) - vertical (Portrait), the individual pages may be vertical (Landscape), eg. large tables. The text is Justified according to the left and to the right margins. The titles of the chapters need to be written in bold capital letters in 12 pt font. The titles of the sections need to be written in 12 pt bold font, in small letters. The first line of the paragraph of the title are spaced 18 pt and shifted to the right side of 1.0 cm. A space between two blank lines is made after the chapter and section. The titles of chapters and sections are centered. The text must be typed using the standardized character encoding system unicode fonts Times New Roman. The electronic version is submitted in pdf format.

15.2. **Page numbering.** All the pages except the title one are numbered. The number of the page is written in the lower right corner, in Arabic numerals.

15.3. **Table.** Tables are numbered in a row using Arabic numerals. The title of table needs to be written above the table in bold italic type (**Bold** and *Italic*) small letters, except for the first letter, with no dots. If the title of the table does not fit on one line, then a space of 1.0 is left between them. The source of the cited table, the author, must be indicated in brackets after the table name. When the table is mentioned in the text, its number is indicated.

15.4. **The pictures.** Computer illustrations (charts, diagrams, drawings, photo images) must be of sufficient quality, clear. The pictures must be enumerated successively along the entire Thesis in Arabic numerals. The title of the picture must be started in capital letter, written in bold italic type (**Bold** and *Italic*), below the picture, with no dots. Serial number is marked before the title of the picture. If the title of the picture does not fit on one line, then a space of 1.0 is left between them. The references to the pictures must be indicated in the text. If the pictures are created by other authors, it is a must to indicate the source and the author (in brackets at the bottom of the title of the painting).

15.5. **Citations and links.** When the literature sources are quoted in the text, the Vancouver system must be followed. They are presented in the text, in brackets or square brackets. The reference itself consists of a number, e.g. [1], corresponding to the serial number of the cited source in the references. If several sources are quoted in the same text, the numbers must be separated by commas with no spaces, e.g. [1,4,9]. If several sources are written in sequence, the shortening is used e.g. [2-7,9]. The dash cannot be used between the quoting sources if only two adjacent sources are quoted e.g. [2,3]. If the author is mentioned in the text, the cited source is indicated e.g. Motiejūnas [15] in brackets. If the source of more than six co-authors is cited, the name of the first author and the suffix "et al" is indicated eg Grigas et al. [44]. If a work written in non-Latin letters is cited, the author's name is transliterated in the text, eg Nikitin [10]. If the source of more than six co-authors is cited and is written in Latin letters, not in Lithuanian, the first author is indicated eg. Smith et al [22]. The names of foreign authors are written in accordance with the norms established by the Lithuanian Language Commission, without translating them into Lithuanian. Literal quotations are put in quotation marks. Quotation marks must be in Lithuanian eg. „Animal science“. Texts must be quoted in strict accordance with the cited source. Non-

Lithuanian quotes are translated into the Lithuanian language (the original can be included in the footnote). Footnotes for comments are provided at the bottom of the page. They are numbered over all the work in a row with the top index. Examples of citations are given in Annex No. 6.

15.6. **Footnotes.** Footnotes are allocated to notes at the bottom of the page. They are numbered consecutively.

VI. PROCEDURE FOR PRESENTATION AND DEFENSE OF THE THESIS

16. After the evaluation (consideration, approval) of the Thesis in the Department / Institute the Thesis is delivered to the Commission.

17. The work is submitted to the Department / Institute not later than 1 month before the public defense of the final Theses provided in the study plan.

18. The Thesis must be reviewed by the supervisor before submission to the Department / Institute.

19. The student submits the final version of the Thesis to the supervisor no later than one week before submitting it to the Department / Institute.

20. The public presentation of the Thesis takes place at the Department / Institute. After considering the Thesis at the meeting of the Department, no later than 3 weeks before the public defense in the Final work defense commission, the Dean of the faculty is provided with an extract from the Department / Institute list with students: a) are recommended to defend, b) are not recommended to defend.

21. The Thesis approved in the Department /Institute is delivered to the Dean's office in two printed copies and in electronic format in pdf format. Only those Theses are accepted that comply with all requirements of the Procedure of Master Thesis.

22. The Master Thesis may be defended by students who completed all requirements of the study program. The decision to permit the student to defend the Thesis is executed as the Rector's order.

23. The date of public defense is approved and the Commission of the Thesis Defense is appointed by the Rector's order.

24. The Commission of the Thesis Defense is a group of 5-7 competent specialists in the field of study program – scientists, professional practitioners.

25. The reviewers of the Thesis are submitted by the Dean's Order and approved by the Rector. The reviewer delivers the review (Annex No. 7) of the Thesis to the Dean's office a week before the defense. The student has the right to get familiar with the review no later than 3 days before the defense of the Thesis and to prepare the answers to the reviewers' questions or provide explanation the deficiencies of the Thesis.

26. If the student receives a negative review another reviewer is appointed. If both reviews are negative, the student cannot perform the defense. In this case, the student is informed as soon as a negative review is received. If the opinions of the reviewers do not agree, the work is allowed to be defended. If the Thesis approved by the Department / Institute, in the opinion of the reviewers, does not meet the requirements and cannot be defended, the Chairman of the Commission informs the Dean of the faculty in writing.

27. The date of each student's public defense is announced on the board of the Dean's office and each student is also informed by e-mail. The student presents the completed Report of the Thesis during the defense(10–15 min.), in which the topic, aim, objectives, methods of the research, outcome and conclusions as well as recommendations or suggestions are indicated. Later the review is read and the student answers the reviewer's questions and remarks. Afterwards, the student answers the questions and remarks of members of Commission and participants of the public defense.

28. The defense of the final Theses is recorded.

29. The secretary of the commission is responsible for the minutes of the Commission meetings, their submission to the Dean's office and the presentation of the defended BD to the library.

VIII. EVALUATION OF THE THESIS

30. The final Theses and their defense are evaluated by all members of the Commission and the evaluation form of the member of the Thesis commission is completed (Annex No. 8).

31. If the supervisor or reviewer of the Thesis is a member or Chairman of the Commission, he must withdraw from the evaluation of the work in the final Thesis defense Commission.

32. The final evaluation mark of the Thesis is combined of the average of reviewer's evaluations – 25 percent, the supervisor's evaluations – 25 percent and the average mark of evaluation of members of Commission – 50 percent.

33. The evaluation score of the defense of the Master Thesis is registered in the minutes of the Commission, in LSMU electronic data base as well as the student's credit book in the section of the Master Thesis.

34. If the academic dishonesty is detected during the preparation and defense of the Thesis (any attempt by a student to use sources of knowledge in unauthorized ways is considered unfair), the supervisor, the reviewer or members of the Commission must write an official report to the Dean. The Dean forms a three-person commission to make the final decision. The permission to defend the Thesis is not given or the Thesis is evaluated with negative grade if the commission determines the fact of academic dishonesty. At the request of the student, the Rector may allow the defense of the prepared final work not earlier than after one year for a set fee. Non-autonomous (plagiarized) is a work in which part or all of the work is written by another author (paragraphs or pages of another author's work have been completely rewritten without a reference to authorship); the work infringes the copyrights of other authors.

35. The student who has not performed the defense (the Thesis is evaluated at less than 5 score) is expelled from the University.

36. Master who has been removed from the list of students (not due to unfair treatment) may re-defend the Thesis according to LSMU study Regulations.

IX. APPEALS AGAINST THESIS EVALUATION

37. If the student does not agree with the final evaluation of the Thesis, he has the right to submit an appeal (Annex No. 9) to the Dean during 24 hours (excluding weekends and public holidays). Appeals are examined by the Appeal Commission of at least three persons formed by the Rector. The Commission no later than 72 hours upon receipt of the appeal (excluding weekends and public holidays) shall consider the appeal and presents its decision. Appeals Commission must invite the student who submitted the appeal, the Chairman and members of the Thesis Defense Commission and, if necessary, the supervisor and reviewer(s) to the meeting.

X. ENTRY INTO FORCE OF THE PROCEDURE

38. The regulation on the preparation and defense of the Thesis of study programs Animal Science (Technology of Animal Husbandry until 2018) and Animal and Human Interaction (Management of Animal Resources until 2018) enters into force from the 1st of October, 2019.

Annex No 1.

Approved
In the meeting of the Council of the Faculty of Animal Science
No. 5(130) 26-09-2019

APPROVED:

Dean of the Faculty of Animal Science

First and last name

Date

LITHUANIAN UNIVERSITY OF HEALTH SCIENCES

..... **STUDY PROGRAM**

..... **DEPARTMENT (INSTITUTE)**

Student's name and surname.

... year of the ... group

INDIVIDUAL WORK PLAN

Preparation duration of Master Thesis:

day month year – month year

The title of the Master Thesis:

The title

The supervisor of the Thesis

Assoc, Dr., Full name

KAUNAS, year

The objective of the Thesis -

The tasks of the Thesis:.....

Work methodology.....

MASTER THESIS PREPARATION PLAN

The tasks	Deadline
Discussion of the topic with supervisor. Preparation of individual work plan of the Master Thesis, the consideration of the plan in the Department, its presentation to the supervisor and the Dean's office.	Animal Science (Technology of Animal Husbandry until 2018) study program (full-time studies) and Animal Science (Technology of Animal Husbandry until 2018) study program (part-time studies) September 1, 20..- October 31* Animal and Human Interaction (Management of Animal Resources until 2018) study program (full-time and part-time studies) Up to 31 May 20..
Theoretical studies necessary to solve the problem of Master Thesis. Detailed analysis of bibliographical sources. Analysis of theories, conceptions, models. Formulation of the theoretical requirements based on which the analytical part of the research will be performed.20..
Collection of the resources of literature on..... The understanding of research methods on.....20..
The preparation of the plan of the research and experiments, the performance of the plan and collection of other materials required for the research.20...-....20..
Detailed analysis of bibliographical resources. The preparation of the bibliographical review.20...-....20..

The tasks	Deadline
Qualitative and quantitative data analysis of the results. The processing, concluding and preparation of the findings.20...
Preparation of the report for the first year according to the established form. Presentation of the report at the Department meeting.	June 20.. Animal Science (Technology of Animal Husbandry until 2018) study program (full-time studies) and Animal Science (Technology of Animal Husbandry until 2018) study program (part-time studies).
The formation of practical application of the findings. Preparation of concise conclusions, suggestions and recommendations. The discussion of the descriptive part of the results.20...
Preparation of the bibliographical list required for the Master Thesis. Arrangement of the Thesis (correction of the title page, table of contents, pictures, tables, texts etc.).20...
Preparation of summary in English20...
Presentation of the final work to the supervisor. Supervisor's evaluation of the suitability of the Thesis for defense.	Animal Science (Technology of Animal Husbandry until 2018) study program (part-time studies) and Animal and Human Interaction (Management of Animal Resources until 2018) study program (full-time): 3rd week of December, 20.. *; Animal Science (Technology of Animal Husbandry until 2018) study program (full-time studies) and

The tasks	Deadline
	Animal and Human Interaction (Management of Animal Resources until 2018) study program (part-time): 4th week of April, 20..*
Approval of the work in the Department/Institute.	<p>Animal Science (Technology of Animal Husbandry until 2018) study program (part-time studies) and Animal and Human Interaction (Management of Animal Resources until 2018) study program (full-time): 1st week of January, 20.. *</p> <p>Animal Science (Technology of Animal Husbandry until 2018) study program (full-time studies) and Animal and Human Interaction (Management of Animal Resources until 2018) study program (part-time): 1st week of May, 20.. *</p>
<p>Final preparation of the Master Thesis (2 copies must be delivered, 1 copy of the Thesis must be with the signatures of the author and supervisor, bounded. Uploading of the Thesis into the ETD database **.</p> <p>** 1) The whole work is presented in one <i>Word</i> document and converted to a pdf file.</p> <p>2) The title of the document is written in Latin letters: surname_name.</p>	<p>Animal Science (Technology of Animal Husbandry until 2018) study program (part-time studies) and Animal and Human Interaction (Management of Animal Resources until 2018) study program (full-time): 2nd week of January, 20..</p> <p>Animal Science (Technology of Animal Husbandry until 2018) study program (full-time studies) and</p>

The tasks	Deadline
	Animal and Human Interaction (Management of Animal Resources until 2018) study program (part-time): 2nd week of May, 20..
Delivery of the Final work to the Dean's office	Animal Science (Technology of Animal Husbandry until 2018) study program (part-time studies) and Animal and Human Interaction (Management of Animal Resources until 2018) study program (full-time): 2nd week of January, 20.. Animal Science (Technology of Animal Husbandry until 2018) study program (full-time studies) and Animal and Human Interaction (Management of Animal Resources until 2018) study program (part-time): 2nd week of May, 20..
Prospective date of the defense	Animal Science (Technology of Animal Husbandry until 2018) study program (part-time studies) and Animal and Human Interaction (Management of Animal Resources until 2018) study program (full-time): 3rd week of January, 20.. Animal Science (Technology of Animal Husbandry until 2018) study program (full-time studies) and

The tasks	Deadline
	Animal and Human Interaction (Management of Animal Resources until 2018) study program (part-time): 4th week of May, 20..

Note: * - Do not change the rows and dates in the table.

The individual work plan of the scientific research work was discussed in the meeting of the Department/Institute of on..... 20...., minutes No.

Supervisor

(signature)

first and last name, assoc. and prof. degree

Student

(signature)

first and last name

Annex No 2.

Approved
In the meeting of the Council of the Faculty of Animal Science
No. 5(130) 26-09-2019

APPROVED:

Dean of the Faculty of Animal Science

First and last name

Date

LITHUANIAN UNIVERSITY OF HEALTH SCIENCES

..... **STUDY PROGRAM**

..... **DEPARTMENT (INSTITUTE)**

STUDENT'S NAME AND SURNAME

..... year of the, ... group

THE REPORT

Preparation duration of Master Thesis:

day month year – month year

KAUNAS, year

Title of the Master Thesis:

The objective of the Thesis:

The tasks of the Thesis:

1. Analysis of literature under the analyzed topic
2. Mastered research methodologies (*short description*):
3. Collected experimental and other material relevant to the analyzed topic (*short description*).
4. Attending of the courses, internships, conferences (*short description*).
5. Presentations read in the conferences and seminars:
6. Published articles:
7. Self-interested (*short description*):
8. I have (not) implemented all the tasks according to the individual plan.

The report on postgraduate studies was discussed in the meeting of the Department/Institute of on 20..., minutes No.

Head of the Department/Institute
(signature)

Assoc. Prof. Dr. Name Surname

The supervisor
(signature)

Assoc. Prof. Dr. Name Surname

Student
(signature)

Name Surname

Annex No 3.

Approved

In the meeting of the Council of the Faculty of Animal Science
No. 5(130) 26-09-2019

**EXAMPLE OF THE TITLE PAGE
OF MASTER THESIS FINL WORK**

LITHUANIAN UNIVERSITY OF HEALT SCIENCES
VETERINARY ACADEMY
THE FACULTY OF ANIMAL SCIENCE
DEPARTMENT / INSTITUTE (where the work was carried out)
STUDY PROGRAM

NAME, SURNAME

TITLE OF THE MASTER THESIS

Master Thesis

The supervisor
Assoc, Dr., Full name

Consultant
Assoc, Dr., Full name

KAUNAS, year

Approved
In the meeting of the Council of the Faculty of Animal Science
No. 5(130) 26-09-2019

THE WORK WAS DONE IN THE DEPARTMENT OF

CONFIRMATION OF THE INDEPENDENCE OF THE WORK DONE

I confirm that the Master Thesis presented is „.....“

1. Has been done by me (myself).
2. Was not used in any other Lithuanian or foreign University.
3. I have not used any resources that are not indicated in the work and I present the complete list of used literature.

(date)

(author's first and last name)

(signature)

**CONFIRMATION OF THE CORRECTNESS OF ENGLISH LANGUAGE IN THE
WORK**

I confirm the work was checked by English language editing service.

(date)

(author's first and last name)

(signature)

**SUPERVISOR'S CONCLUSION REGARDING THE DEFENSE OF THE MASTER
THESIS**

(date)

*(supervisor's first and last
name)*

(signature)

THE MASTER THESIS HAS BEEN APPROVED IN DEPARTMENT/INSTITUTE

(date of approval)

*(first and last name of the
Head of Department/Institute)*

(signature)

The Reviewer of the Master Thesis

(first and last name)

(signature)

The evaluation of defense Commission of Master Thesis:

(date)

*(first and last name of the secretary of the
defense commission)*

(signature)

The Master Thesis is uploaded into the ETD IS database

(signature of the secretary of the defense
commission)

Annex No 5.

Approved
In the meeting of the Council of the Faculty of Animal Science
No. 5(130) 26-09-2019

EXAMPLES OF BIBLIOGRAPHICAL DESCRIPTION OF SCIENTIFIC LITERATURE

1. A book

1.1. One author:

Grakauskas E. Agrarinė teisė: monografija. Vilnius: (b.l.); 2009.

1.2. Two-six authors:

Juozaitytė V, Anskienė L. Statistinė duomenų analizė su SPSS gyvulininkystėje ir veterinarijoje. Kaunas: LSMU Leidybos namai; 2014.

1.3. More than six authors:

Hofmeyr GJ, Neilson JP, Alfirevic Z, Crowther CA, Gulmezoglu AM, Hodnett ED et al. A Cochrane pocketbook: Pregnancy and childbirth. Chichester, West Sussex, England: John Wiley & Sons; 2008.

1.4. Without author:

Management and welfare of farm animals : UFAW farm handbook / edited by John Webster. 5th ed. Chichester : Wiley-Blackwell; 2011.

2. Book article (part)

Rowlands TE, Haine LS. Acute limb ischaemia. In: Donnelly R, London NJM, editors. ABC of arterial and venous disease. 2nd ed. West Sussex: Blackwell Publishing; 2009, p. 338-452.

3. Volume or part of a multi-volume publication

Turner CW. The Mammary gland. 1. The Anatomy of the udder of Cattle and Domestic Animals. Chapter 12, Columbia, Missouri: Lucas Brothers; 1952.

4. An article from a journal or continuing education publication

Autio T, Pohjanvirta T, Holopainen R, Rikula U, Pentikainen J, Huovilainen A, Rusanen H, Soveri T, Sihvonon L, Pelkonen S. Etiology of respiratory disease in non-vaccinated, non-medicated calves in rearing herds. Veterinary Microbiology. 2007; 119:256-65.

5. For electronic sources

5.1.El. book, database, computer program or other el. documents:

Baltes W, editor. Lebensmittelchemie_[eBook]. Berlin, Heidelberg: Springer- Verlag Berlin, Heidelberg; 2007 [cited 2014 Dec 20]. Available from: SpringerLink.

5.2.Part of el. book or other el.documents:

The results of the general agricultural census by elderships of Lithuania in 2010. From: Lithuanian Department of Statistics, 2012 [electronic source] [viewed on 15th of January, 2014].

Internet access: <http://osp.stat.gov.lt/documents/10180/204989/2010ZUSrezsen.pdf/>

For meat additives and substitutes. Resolution No. 45 16-05-1994 [electronic source] [viewed on 1st of December, 2014]. Internet access: www.lrs.lt

5.3.Article from email journal or continuing education publication:.

[Nguyen Thu Lan T](#), [Hermansen John E](#), [Mogensen Lisbeth](#). Environmental costs of meat production: the case of typical EU pork production. Journal of Environmental Management. 2012 [internet] [cited 2014 Feb 20]; 107: 321-27. Available from: http://www.lvb.lt/primo_library/libweb/action/search.do?vid=LSMU&prefLang=lt_LT&afterPDS=true

EXAMPLES OF AUTHORS 'QUOTATION

1. Quotation of one author's publication in the text:

Gapšys [2] stated, that.....

2. A publication quoted by two authors:

According to Juozaitienė and Japertienė [23], the number of somatic cells in milk, which has a high genetic correlation with mastitis and higher heredity, has recently been used in breeding programs for the prevention of mastitis.

3. A publication quoted by three authors:

Scientists Astromskienė, Ramanauskienė and Adamonienė [5] found that a change in the economic system of the country decreased by employees working in the traditional agricultural sector, there is incomplete employment of the rural population began to increase rapidly, unemployment, lack of income, a small rural economic diversity [...] after the development of non-traditional and alternative business branches, which at first seemed like hobbies, it was noticed that this activity can be profitable, especially if there is an opportunity to sell products not only in Lithuania, but also in foreign countries.

4. Quotation of the source in the text several times. If there are more than three authors, all authors must be mentioned for the first time in the text, when quoting the same source again, only the first author is indicated:

Kerzienė, Juozaitienė, Šlyžius and Stankevičius [9] justified ...

When quoting the second and subsequent times, only the first author can be submitted:

Kerzienė and others. [9] assume ...

or

Jounester et al. [19] stated ...

5. Quotation of a source with a collective author in the text:

Quantitative test methods [1] are used ...

or

The number of dairy cattle in Lithuania increased three times [...] The milk protein content of red and yellow cows in the population was also slightly negatively correlated with the amount of milk ($r = -0.046$, $p < 0.001$) [2,3].

- 6. Quotation of literature in footnotes.** Galima pateikti cituojamos literatūros šaltinius puslapyje išnašoje, tekste pažymint juos viršutiniu indeksu. It is possible to submit the quoted literature in a footnote on the page, marking them in the text with a superscript.

- **in the text**

‘The breed was bred in the 16th century. In Germany [...] from local twelve bovine animals ‘¹. The breed was approved in 1951. A new stage in the improvement of Lithuanian red cattle began in 1956, when the first animal insemination stations were established and the mass insemination of cows and the import of Danish green cattle began. After the breed was approved, it was regionalized and widespread throughout the country, but after a while the breed was bred on the basis of open populations using genetic material from other red varieties²

- **in a footnote**

¹Lithuanian Red Cattle Breeding Program for 2011–2015. Lithuanian Association of Red Cattle Breeders. Šiauliai; 2011.

²State Animal Breeding Supervision Service under the Ministry of Agriculture. Cow exterior evaluation rules. Vilnius; 2011.

Approved
In the meeting of the Council of the Faculty of Animal Science
No. 5(130) 26-09-2019

**THE EVALUATION OF THE MASTER THESIS
EVALUATION OF THE REVIEWER**

The author of the Thesis: the title of the Thesis: ..

Study program: ..

Volume of the Report:pages, bibliography sources,

work includes:tables, figures annexes.

No.	The evaluation questions of the Master Thesis	Evaluation		
		Yes	Partially	No
Eligibility of the final Thesis				
1.	Are all the structural parts in the thesis?			
2.	Does the scope of the Thesis meets the recommendations (more than 30 pages excluding Annexes)?			
3.	Does the Thesis have titled chapters, sections and subsections distinguished?			
4.	Literature references have been cited correctly?			
5.	Are there any grammatical errors in the Thesis?			
6.	Is the volume of Thesis artificially increased ?			
7.	Is the content page structure correct?			
8.	Do the attached annexes help to understand the topic under consideration?			
9.	Is the bibliographic review of literature correctly compiled ?			
10.	Are the references in the review of literature to the text correct?			
11.	Does the review of literature contain scientific sources ?			
12.	Are the sufficiently modern literature sources cited?			
Structure matching of the Final Thesis				
13.	Does the introduction of the Thesis include: relevance of the topic, research problem, purpose and objectives (question or questions), object, methodology?			
14.	Does it contain explanation of terms and abbreviations?			
15.	Does it contain the review of scientific, practical literature related to the problem of the final work?			
16.	Are the most relevant researches of other researchers, normative documents discussed, their most important results and conclusions presented?			
17.	Is the text consistent?			

18.	Does the student give his opinion on the issue under discussion?			
19.	Is the methodology of the Thesis research explained in detail?			
20.	Are the research instruments described?			
21.	Are the main data of the study provided?			
22.	Is the work written in the correct language, logically, concisely?			
23.	Are the questionnaires and lists of interview participants properly presented?			
24.	Has a discussion of the results been carried out?			
25.	Does it contain the statistical analysis of the data and the results?			
26.	Is the practical significance of the research results presented?			
27.	Are there conclusions?			
28.	Do the conclusions reflect the aim of the topic, objectives (questions) of the Thesis?			
29.	Are the suggestions logical and practical?			
30.	Does the presentation of tables and pictures meet the requirements?			
31.	Is the information provided in the tables and figures repeated?			
32.	If a qualitative study has been conducted, is the analysis of the results in terms of topics properly supported by quotes from respondents or monitoring data?			

The Reviewer's comments and questions

Advantages of the Master Thesis

Disadvantages of the Master Thesis

The evaluation of the Master Thesis

(The reviewer's evaluation in evaluation mark (in 10 point system))

Evaluation Criteria

9-10 points. The objectives of the work are acceptable and clearly stated; original or several acceptable problem-solving options are provided; adequate theoretical models and analysis methods are applied; student's theoretical knowledge are applied; the results of the work have practical significance; the conclusions are specific and reasoned, cover all the tasks of the final work; the work is written without errors and printed as required.

7-8 points. The objectives of the work are acceptable; the solutions are acceptable and reasoned; adequate theoretical models and analysis methods are applied; good theoretical knowledge; the results and conclusions are acceptable, cover all work objectives and meet them; the work is printed as required.

5-6 points. The objectives of the work are generally acceptable; the problems are largely solved; acceptable theoretical models and methods of analysis are applied; the minimum necessary theoretical knowledge, results and conclusions are generally acceptable and meet the criteria.

1-4 points. The Thesis does not meet minimal requirements and is not suitable for defense.

(assoc. prof. degree) (signature)

(first and last name)

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In the meeting of the Council of the Faculty of Animal Science
No. 5(130) 26-09-2019

**THE EVALUATION OF THE MASTER THESIS
EVALUATION OF THE MEMBER OF THE COMMISSION OF THE MASTER THESIS**

..... study programgroup
postgraduate.....
the title of the Thesis:

No.	The evaluation questions of the Master Thesis	Evaluation		
		Yes	Partially	No
	Did the student's presentation last no longer than 10-15 minutes?			
	Was the main problem of the Thesis formulated, the objective and tasks indicated?			
	Was the information provided on the research methodology, the main research tools indicated?			
	Were the results presented in an understandable way?			
	Was the visual material informative, understandable?			
	Was the logical sequence of the report maintained?			
	Were the conclusions reasonable?			
	Were the practical recommendations proposed?			
	Were the questions asked by the reviewer and the members of the commission answered correctly and in detail?			
	Did the main idea of the Thesis correspond to the essence of the chosen study program?			
	Was the presentation performed in good manner?			

Other remarks and arguments of the member of the commission of The Master Thesis

The evaluation of the Master Thesis

(The evaluation mark written by the member of Assessment commission (in 10 point system))

((assoc. prof. degree) (signature)

(first and last name)

Annex No 9.

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In the meeting of the Council of the Faculty of Animal Science
No. 5(130) 26-09-2019

EXAMPLE OF AN APPEAL

Student's first and last name

Name of study program

To the Dean of the Faculty of Animal Sciences

A P P E A L
ON THE EVALUATION OF THE MASTER 'S THESIS

KAUNAS
Date

The text of the appeal must include the student's request to consider the correctness of the Thesis evaluation. The student must clearly and reasonably substantiate his request..

Signature

Name and surname

THE LITHUANIAN UNIVERSITY OF HEALTH SCIENCES

(Student's name and surname, identification number.)

THE FACULTY OF ANIMAL SCIENCE
.....**DEPARTMENT/INSTITUTE**

**STATEMENT OF AUTHOR CONTRIBUTION
AND LICENSE**

DATE

In my Master Thesis

(title)

topic, scope of research (mark the appropriate line with an "x" and complete it):

	I formulated and defined myself: (indicate your previous research in this field, other sources and research that helped to formulate the problem and objectives of the Thesis)
	I chose from the proposed supervisors (or other researchers, lecturers):
	(indicate the name of the researcher or lecturer)

--	--

During the collection and evaluation of the material and during the preparation of the Thesis, I was consulted by scientists, lecturers and specialists:

When collecting the material, I used the following tools and infrastructure of the Lithuanian University of Health Sciences:

Laboratory and laboratory devices	<input type="checkbox"/>
Reagents	<input type="checkbox"/>
Other tools and materials	<input type="checkbox"/>
Part of university facilities and infrastructureUniversiteto (if the facilities and infrastructure belonging to other persons have not been used - 100%, if used - indicate the size of the University part)	<input type="checkbox"/>

I confirm that my Thesis is self-written, the material presented in this work is not plagiarized, falsified, research data is not forged, the work is not duplicated.

(Signature) (Name and surname)

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(Signature) (Name and surname)