

Filters used for the printout

Curriculum period: 2024-25. **Studies included in the printout:** Study modules and courses. **Filters for the studies:** Doctoral Programme in Clinical Veterinary Medicine. **Languages of the descriptions:** English. **Language of the printout template:** English.

T921108 Doctoral Programme in Clinical Veterinary Medicine (DPCVM)**T921108** Kliinisen eläinlääketieteen tohtoriohjelma**T921108** Doktorandprogrammet för klinisk veterinärmedicin

2024-25

Curriculum periods	2024-25, 2025-26
Validity period	since 1 Aug 2024
Credits	min 30 cr
Languages	English, Finnish, Swedish
Grading scale	Pass-Fail
Content approval required	no
Locations	⚠ [information missing]
University	University of Helsinki
Responsible organisation	Faculty of Veterinary Medicine 100%
Responsible person	Anna Valros, Responsible teacher
Degree programme type	Doctor's Degree
Degree titles	Doctor of Philosophy Doctor of Science (Agriculture and Forestry) Doctor of Veterinary Medicine Doctor of Food Sciences
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry
Education classification	875301 Doctor of Veterinary Medicine 775301 Specialist Degree in Veterinary Medicine 875603 PhD, Veterinary Science 865201 Doctor of Science (Agriculture and Forestry), Agriculture

Content description**EN: Profile**

CVM aims to educate ethically conscious professional researchers and specialists who are genuinely multi-disciplinary, critical, and innovative. Research in CVM focuses on clinical veterinary medicine, translational research and animal welfare. There are more than 170 supervisors and co supervisors who guide the scientific work.

The main doctoral education is research, which is performed in the research groups under guidance of supervisor(s). During research work, also soft skills are learned. These skills can also be studied in the doctoral school's training events.

Doctoral education in CVM includes national and international courses, congresses and work visits outside own working place. CVM has wide network of experts representing several fields in clinical veterinary medicine in the Universities, institutions, national organisations and industry. In addition, doctoral candidates' own activities (Student council) and peer support helps in networking. Research expertise, other skills and career planning are followed in annual thesis committee meetings where outside scientific experts support the progress of doctoral candidates.

Skills relevant to employment

Research in doctoral education is team work in research groups which usually have national and international cooperation and networks. Practical research work has transferable skills integrated in it and those can be strengthened by courses and activities provided by doctoral school. A period of work (two weeks at minimum) outside own research group is anticipated during doctoral education. A doctoral researcher has the option of joining career planning courses and to obtain career coaching.

International skills

Doctoral candidates are encouraged to travel to participate to suitable doctoral education events. CVM provides travel grants by application for visits outside own working place, for participation to scientific courses, congresses and other events.

CVM recommends that doctoral candidate participates at least in one international event every year and, if possible, does scientific works outside own working place (more than two weeks) at least once during doctoral education.

Continuous learning

A doctoral graduate from the Doctoral Programme in Clinical Veterinary Medicine possesses:

1. very thorough discipline specific skills and competence for knowledge work.
2. skills needed to apply scientific knowledge and research methods independently and critically
3. ability to create new knowledge in accordance with good scientific practice.
4. sufficient written and oral communication, problem solving and other general skills required for posts requiring highly specialized expertise and international collaboration
5. ability to work independently in the most demanding expert duties in the field or as an entrepreneur.

Sustainability expertise

Sustainability expertise can be obtained through university wide sustainability courses focusing on global sustainability challenges with multidisciplinary teams and work projects.

Assessment practices

Grade of doctoral thesis on a scale of Approved with distinction, approved or rejected. Other training graded as approved or rejected.

Criteria for full-time and part-time studies, opportunities for distance learning

Research work can be accomplished outside the University under proper supervision full-time or part-time. Suitable courses and training can also be obtained outside of the University.

Practices for collecting and processing student feedback

Feedback is collected from all its courses and events Additionally, CVM accepts comments continuously.

Structure

Majority of the PhD Degree is formed from independent research in a research group.

Additionally a full degree requires:

- 20 credits of Scientific Education Events
- 10 credits of Transferable Skills education
- thesis

Order and schedule of completion for studies

Discipline-specific studies (20 cr) and transferable skills studies (10 cr) must be completed prior to preliminary examination of the doctoral dissertation. The review process of doctoral dissertations follows the rector's decision and any specific instructions from the faculty granting the degree.

Learning outcomes

EN: Key learning outcomes and objectives of education

According to Decree Statute 21 § of the government decree on university degrees (effective since 1.8.2005) and Government Decree 1039/2013 (unofficial translation), a person who has completed doctoral training has:

Become well-versed in his/her own field of research and its social significance

Gained knowledge and skills needed to apply scientific research methods independently and critically, and the ability to produce new scientific knowledge within his/her field of research

Become conversant with the development, basic problems and research methods of his/her own field of research

Gained such knowledge of the general theory of science and of other disciplines relating to his/her own field of research as enables him/her to follow developments in them

Acquired sufficient communication, language and other related general skills required for posts of high expertise and international collaboration

Professional qualifications and competencies provided by the degree

A doctoral degree opens the door to many interesting career possibilities. In addition to a purely academic career as a post-doctoral researcher, opportunities in the public and private sector in Finland and abroad are achievable. For instance: scientific experts in ministries, research and government agencies, research institutes, leading clinical professions; administrative jobs in higher education establishments; private companies; start-ups etc.

Additional information

EN: Job descriptions and labour market sectors

All doctors graduated from CVM are usually employed in expert positions in various fields in translational and clinical veterinary medicine in addition to animal welfare posts in academic, authority, clinical teacher, in clinical practice and industry as well as being independent entrepreneurs.

Student admissions to degree programme

Four application periods to pursue doctoral degree in CVM will be organised annually, two in Spring and two in Autumn.

FORMAL CRITERIA

Required background degree

Thesis supervisor(s)

A course/study plan for the formal training

Language skills required by the University of Helsinki **QUALITY CRITERIA**

Scientific relevance and ambition of the research plan, use of relevant methodology

Motivation and CV of the applicant, success in previous studies

Thematic fit of the research plan with the doctoral programme profile

Funding plan and feasibility of the thesis project within the intended timeframe (in 4 years' net time)

Demonstration of adequate knowledge in relevant fields and potential of the applicant to develop into an independent researcher

Supervisory and follow-up of progress arrangements, quality of the research environment

Application documents:

Research plan, compiled according to University of Helsinki template

Study plan

Agreements of supervisor(s) and professor in charge

Copies of degree certificate and transcript

Certificate of language skills if needed (HY/117/00.00.06.00/2017)

In addition, CVM reserves a right to organise entrance examination and /or interview of the applicant.

CVM follows the admission criteria and instructions defined by DSHealth.

Postgraduate study options and opportunities

Procedures for the recognition and validation of prior learning

Based on earlier procedures performed in the faculties. University of Helsinki guidelines are followed.

Graduation practices and criteria

All scientific doctoral education has to be finished before preview of the thesis dissertation. Pre-examination and evaluation of doctoral thesis are accomplished according to the guidelines by University of Helsinki.

Student supervision

The board reviews the appropriateness of supervision as part of each student application to ensure proper supervision. CVM recommends that each student has more than one supervisor, especially if the coordinating academic also acts as a supervisor. The thesis work is supported and monitored by a thesis committee. Supervisors are encouraged to take part in the fall seminars, where specific activities for supervisors are included each year.

DEGREE STRUCTURE

Part of the degree	Credits
DOCTORAL PROGRAMME IN CLINICAL VETERINARY MEDICINE (DPCVM) *	min 30 cr
CVM-998 DISCIPLINE-SPECIFIC STUDIES	20-25 cr
RESEARCH ETHICS EDUCATION, COMPLETE MIN. 1 CR (grouping module)	
PHD-401 Research Ethics *	1-2 cr
STATISTICS AND EPIDEMIOLOGY, MIN 2 ECTS (grouping module)	
CVM-136 Introduction of veterinary epidemiology	1-3 cr
CVM-137 Statistics: SPSS	2-10 cr
PHD-116 Data Exploration, Regression, GLM and GAM *	2 cr
PHD-117 Spatial models using R-INLA *	2 cr
LUOVA-303 Zero inflated models and GLMM in R *	2 cr
BOOK EXAM, MAX 10 CR (grouping module)	
CVM-105 Book exam 1	1-5 cr
CVM-106 Book exam 2	1-5 cr
INTERNATIONAL SCIENTIFIC ACTIVITIES, MAX 10 CR (grouping module)	

CVM-114 National and international symposium, seminar, course 1	1-5 cr
CVM-115 National and international symposium, seminar, course 2	1-5 cr
CVM-116 National and international symposium, seminar, course 3	1-5 cr
CVM-117 National and international symposium, seminar, course 4	1-5 cr
CVM-118 National and international symposium, seminar, course 5	1-5 cr
CVM-119 National and international symposium, seminar, course 6	1-5 cr
CVM-120 National and international symposium, seminar, course 7	1-5 cr
CVM-121 National and international symposium, seminar, course 8	1-5 cr
CVM-122 National and international symposium, seminar, course 9	1-5 cr
CVM-123 National and international symposium, seminar, course 10	1-5 cr
CVM-124 Research visit 1	2 cr
CVM-125 Research visit 2	2 cr
CVM-126 Research visit 3	2 cr
CVM-127 Research visit 4	2 cr
CVM-128 Research visit 5	2 cr
CVM-107 Scientific conference 1	1-2 cr
CVM-108 Scientific conference 2	1-2 cr
CVM-109 Scientific conference 3	1-2 cr
CVM-110 Scientific conference 4	1-2 cr
CVM-111 Scientific conference 5	1-2 cr
CVM-112 Scientific publications not included in the thesis 1	1-2 cr
CVM-113 Scientific publications not included in the thesis 2	1-2 cr
DISCIPLINE-SPECIFIC STUDIES: THEORETICAL, CVM SEMINARS RECOMMENDED ANNUALLY (grouping module)	
CVM-130 CVM autumn seminar 1	1-2 cr
CVM-131 CVM autumn seminar 2	1-2 cr
CVM-132 CVM autumn seminar 3	1-2 cr
CVM-133 CVM autumn seminar 4	1-2 cr
CVM-134 Clinical trials in veterinary medicine	1 cr
CVM-141 Survey design	2 cr
CVM-144 Animal personality	1 cr
CVM-146 Animal ethics workshop	1 cr
CVM-148 Modern handling of large experimental animals	1-2 cr
PROV-207 Special characteristics of use and development of veterinary medicines *	5 cr
SUST-001 Sustainability course *	3 cr
DISCIPLINE-SPECIFIC STUDIES: METHODOLOGICAL (grouping module)	
NEU-603 Laboratory animal science *	1-5 cr
ELL-432 Evidence Based Treatments in Veterinary Medicine - What are they and do they exist? *	3 cr
CVM-999 Doctoral thesis	0 cr
PHD-997 TRANSFERABLE SKILLS *	10 cr
SCIENTIFIC THINKING (- WHAT IS SCIENCE?) (grouping module)	
PHD-103 Philosophy of science *	1-5 cr
PHD-104 HCAS Winter/Summer School *	3 cr
PHD-151 Optional studies in scientific thinking 1 *	1-10 cr
PHD-152 Optional studies in scientific thinking 2 *	1-10 cr
PHD-153 Optional studies in scientific thinking 3 *	1-10 cr

PHD-102 Academic rhetoric and argumentation *	1-5 cr
SCIENTIFIC COMMUNICATION AND SOCIETAL IMPACT (grouping module)	
PHD-201 Academic Pitching *	1-5 cr
PHD-207 Kirjoittamiskäytännöt: Luovuutta ja ideoita väitöskirjan kirjoitusprosessiin *	1 cr
PHD-208 Luova tieteellinen kirjoittaminen *	1-5 cr
PHD-251 Optional studies in scientific communication and societal impact 1 *	1-10 cr
PHD-252 Optional studies in scientific communication and societal impact 2 *	1-10 cr
PHD-253 Optional studies in scientific communication and societal impact 3 *	1-10 cr
PHD-218 Popularisation of science *	1-2 cr
PHD-204 Poster presentation and data visualisation *	1-2 cr
PHD-209 Principles of Peer Review *	1 cr
PHD-211 Principles of Scientific Writing for Health Scientists 2 - from proposal to paper *	2 cr
PHD-210 Principles of Scientific Writing for Health Scientists *	2 cr
PHD-212 Science in Society *	5 cr
PHD-217 Storytelling for Scientists *	3 cr
TIVI-Y911 Scientific communication: Expertise in digital media *	5 cr
TIVI-Y912 Scientific journalism *	5 cr
TIVI-Y913 Tiedeviestintä Tieteen popularisointi *	5 cr
PHD-213 Online writing for researchers *	3 cr
PHD-214 Interaction skills of the respondent *	2 cr
PHD-215 Writing Doctoral Research *	3 cr
PHD-216 Writing Journal Article in Twelve Weeks *	5 cr
PVM-604 Communicating Science and Expertise *	5 cr
PVM-V308 Science Communication *	5 cr
SUKU-S330 Concept analysis and terminology work *	5 cr
KK-PHD-ENG601 Academic Writing for Doctoral Researchers *	2 cr
KK-PHD-ENG602 Presentation for Doctoral Researchers *	2 cr
KK-PHD-ENG603 Grant Writing for Doctoral Researchers *	1 cr
KK-PHD-ENG604 Feedback on Writing and Presentation *	1 cr
KK-PHD-ENG606 Facing the Final Frontier: Writing the Article-Based Dissertation *	1 cr
WORKING LIFE SKILLS (grouping module)	
HEALTH-114 Biomedical view to patenting *	2 cr
PED511 UP 1 Learning in Higher Education *	5 cr
PED5121 UP 2.1 Constructive Alignment in Course Design *	5 cr
PED5122 UP 2.2 Assessment of Learning and Giving Feedback *	5 cr
PHD-101 PhD Career course *	2-3 cr
PHD-303 Project management and leadership *	2 cr
PHD-305 Biobusiness course *	3 cr
PHD-306 Conference Organising *	1-5 cr
PHD-307 Doctoral programme/school or university activities *	1-2 cr
PHD-308 Mielekäs akateeminen työ *	3 cr
PHD-309 Research funding *	1-2 cr
PHD-310 Language studies supporting working life skills *	1-5 cr
PHD-311 Ajanhallinnan haasteet muun työn ohessa väitöskirjaa tekeville *	2-3 cr

PHD-351 Optional studies in professional development 1 *	1-10 cr
PHD-352 Optional studies in professional development 2 *	1-10 cr
PHD-353 Optional studies in professional development 3 *	1-10 cr
PHD-404 Industrial property rights *	3 cr
PHD-503 Leading a creative expert organisation *	1-5 cr
HEALTH-111 Optional courses: Management and Entrepreneurship *	1-5 cr
PHD-313 Helsinki Incubators *	8 cr
PHD-312 Helsinki Pre-Incubators *	5 cr
PHD-315 Mentoring and tutoring *	1-2 cr
PHD-314 Management studies in specialist training *	1-10 cr
RESPONSIBLE RESEARCH (grouping module)	
LIB-900 Information Management for Doctoral Researchers *	1 cr
NEU-603 Laboratory animal science *	1-5 cr
PHD-301 Open Science *	1 cr
PHD-302 Introduction to Open Data Science *	5 cr
PHD-405 Doctoral Education Base Camp *	3 cr
PHD-406 Responsible Research and Innovation (RRI) *	1 cr
PHD-451 Optional studies in responsible research 1 *	1-10 cr
PHD-452 Optional studies in responsible research 2 *	1-10 cr
PHD-453 Optional studies in responsible research 3 *	1-10 cr
SUST-001 Sustainability course *	3 cr
TKT21018 Elements of AI: Introduction to AI *	2 cr
PHD-403 Starting Up *	2 cr
OTHER GENERAL COMPETENCE STUDIES (grouping module)	
PHD-504 Nature Masterclasses 1 *	1-5 cr
PHD-505 Nature Masterclasses 2 *	1-5 cr

* Not included because it does not correspond to the selected responsible organisations or curriculum period

FILTERED STUDY MODULES

CVM-998 Discipline-specific studies

CVM-998 Tieteenaopinnot

CVM-998 Studier inom vetenskapsområdet

Abbreviation: Discipline-spec

Curriculum periods	2024-25, 2025-26
Validity period	since 1 Aug 2024
Credits	20-25 cr
Languages	English, Finnish
Graded module	yes
Grading scale	Pass-Fail
Content approval required	no
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	Anna Valros, Responsible teacher

Study module level	Other studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Learning outcomes

- EN:** 1. Become well#versed in his/her own field of research and its social significance
 2. Gained knowledge and skills needed to apply scientific research methods independently and critically, and the ability to produce new scientific knowledge within his/her field of research
 3. Become conversant with the development, basic problems and research methods of his/her own field of research
 4. Gained such knowledge of the general theory of science and of other disciplines relating to his/her own field of research as enables him/her to follow developments in them
 5. Acquired sufficient communication, language and other related general skills required for posts of high expertise and international collaboration

Additionally, doctoral candidates will:

- have thorough knowledge and comprehensive understanding of their research fields
- have the skills and competencies for critical thinking and for applying scientific knowledge and theories in their own research
- know the research methods and related developments in their field
- be capable of applying scientific research methods independently and critically

Learning outcomes in research ethics: doctoral candidates will be able to follow the principles of research ethics and good scientific practice.

Learning outcomes in International scientific activities - doctoral candidates will gain:

- up-to-date information on current research trends, research techniques and methodologies in their fields
- a broad perspective and understanding in research carried out in fields relevant to their research
- opportunities for multi-/interdisciplinary research
- integration into the international scientific community
- international contacts and networking

Prerequisites

EN: Second level degree in higher education.

Additional information

EN:

Target group

Students of doctoral programme in clinical veterinary medicine.

Timing

Throughout the doctoral degree education.

Courses will be offered every 1-4 years.

Contents

Scientific education module contains:

- Obligatory annual follow up group meetings
- Obligatory research ethics education
- Scientific content education in several topics and themes

- International scientific activities

Courses, events and activities are listed in CVM Degree content page. Other training outside the list can also be included in the Scientific education module.

Assessment practices and criteria

Accepted, accepted with distinction or failed based on reviewers and opponent of the dissertation.

Completion

20 ECTS collected from different courses and activities.

Other information

Instruction language: English.

Responsible person

Responsible professor or person

Study module structure	Credits
CVM-998 DISCIPLINE-SPECIFIC STUDIES -----	20-25 cr
RESEARCH ETHICS EDUCATION, COMPLETE MIN. 1 CR (grouping module)	
PHD-401 Research Ethics *	1-2 cr
STATISTICS AND EPIDEMIOLOGY, MIN 2 ECTS (grouping module)	
CVM-136 Introduction of veterinary epidemiology	1-3 cr
CVM-137 Statistics: SPSS	2-10 cr
PHD-116 Data Exploration, Regression, GLM and GAM *	2 cr
PHD-117 Spatial models using R-INLA *	2 cr
LUOVA-303 Zero inflated models and GLMM in R *	2 cr
BOOK EXAM, MAX 10 CR (grouping module)	
CVM-105 Book exam 1	1-5 cr
CVM-106 Book exam 2	1-5 cr
INTERNATIONAL SCIENTIFIC ACTIVITIES, MAX 10 CR (grouping module)	
CVM-114 National and international symposium, seminar, course 1	1-5 cr
CVM-115 National and international symposium, seminar, course 2	1-5 cr
CVM-116 National and international symposium, seminar, course 3	1-5 cr
CVM-117 National and international symposium, seminar, course 4	1-5 cr
CVM-118 National and international symposium, seminar, course 5	1-5 cr
CVM-119 National and international symposium, seminar, course 6	1-5 cr
CVM-120 National and international symposium, seminar, course 7	1-5 cr
CVM-121 National and international symposium, seminar, course 8	1-5 cr
CVM-122 National and international symposium, seminar, course 9	1-5 cr
CVM-123 National and international symposium, seminar, course 10	1-5 cr
CVM-124 Research visit 1	2 cr
CVM-125 Research visit 2	2 cr
CVM-126 Research visit 3	2 cr

CVM-127 Research visit 4	2 cr
CVM-128 Research visit 5	2 cr
CVM-107 Scientific conference 1	1-2 cr
CVM-108 Scientific conference 2	1-2 cr
CVM-109 Scientific conference 3	1-2 cr
CVM-110 Scientific conference 4	1-2 cr
CVM-111 Scientific conference 5	1-2 cr
CVM-112 Scientific publications not included in the thesis 1	1-2 cr
CVM-113 Scientific publications not included in the thesis 2	1-2 cr

DISCIPLINE-SPECIFIC STUDIES: THEORETICAL, CVM SEMINARS RECOMMENDED ANNUALLY (grouping module)

CVM-130 CVM autumn seminar 1	1-2 cr
CVM-131 CVM autumn seminar 2	1-2 cr
CVM-132 CVM autumn seminar 3	1-2 cr
CVM-133 CVM autumn seminar 4	1-2 cr
CVM-134 Clinical trials in veterinary medicine	1 cr
CVM-141 Survey design	2 cr
CVM-144 Animal personality	1 cr
CVM-146 Animal ethics workshop	1 cr
CVM-148 Modern handling of large experimental animals	1-2 cr
PROV-207 Special characteristics of use and development of veterinary medicines *	5 cr
SUST-001 Sustainability course *	3 cr

DISCIPLINE-SPECIFIC STUDIES: METHODOLOGICAL (grouping module)

NEU-603 Laboratory animal science *	1-5 cr
ELL-432 Evidence Based Treatments in Veterinary Medicine - What are they and do they exist? *	3 cr

* Not included because it does not correspond to the selected responsible organisations or curriculum period


FILTERED COURSES

CVM-999 Doctoral thesis

CVM-999 Väitöskirja

CVM-999 Doktorsavhandling

Abbreviation: Thesis

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	0 cr
Languages	English, Finnish
Grading scale	Fail-Pass-Pass with Distinction
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	 [information missing], Responsible teacher
Study level	Postgraduate studies

Study field Fields of education (Ministry of Education and Culture), Agriculture and forestry

Prerequisites

EN: Second level degree in higher education.

Learning outcomes

- EN:**
1. Become well#versed in his/her own field of research and its social significance
 2. Gained knowledge and skills needed to apply scientific research methods independently and critically, and the ability to produce new scientific knowledge within his/her field of research
 3. Become conversant with the development, basic problems and research methods of his/her own field of research
 4. Gained such knowledge of the general theory of science and of other disciplines relating to his/her own field of research as enables him/her to follow developments in them
 5. Acquired sufficient communication, language and other related general skills required for posts of high expertise and international collaboration

Additional information

EN:

Target group

Doctoral programme in clinical veterinary medicine.

Timing

Throughout the doctoral degree education.

Contents

Research and scientific work.
Follow-up / thesis committee meetings annually.

Assessment practices and criteria

Accepted, accepted with distinction or failed based on evaluation Board (custos, opponent(s) of the dissertation and one or two members of the faculty).

Additional information

No credits. Corresponds to four year research work in full time.

Instruction language: English.

Responsible person

Supervisor(s).

CVM-136 Introduction of veterinary epidemiology

CVM-136 Introduction of veterinary epidemiology

CVM-136 Introduction of veterinary epidemiology

Abbreviation: Introduction of

Curriculum periods 2023-24, 2024-25, 2025-26

Validity period since 1 Aug 2023

Credits 1-3 cr

Languages English, Finnish

Grading scale Pass-Fail

University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible persons	Päivi Rajala-Schultz, Responsible teacher Anna-Maija Virtala, Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Prerequisites

EN: Enrolment in the CVM doctoral programme, otherwise no prerequisites.

Learning outcomes

EN: At the completion of the course, a student

1) understands basic concepts in epidemiology, including measures of disease frequency and measures of association, study designs, diagnostic test characteristics and bias.

2) understands the basis for sample size calculations.

3) is aware of Strobe-Vet and Reflect statements and able to apply them for reporting his/her own study results.

Additional information

EN:

Target group

Doctoral students enrolled in CVM doctoral programme. CVM degree programme is responsible for the course. This course belongs to Scientific education module.

Timing

Any time, but preferably in early stages of graduate work.

Course will be offered as needed.

Assessment practices and criteria

Course is graded as satisfactory/unsatisfactory. The course is considered to be satisfactorily completed and credit will be given, when student has

1) submitted the pre-course assignments

2) participated in the two-day workshop

Other information

Instruction language: English.

Responsible person

Päivi Rajala-Schultz and Anna-Maija Virtala.

Study materials

EN:

Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching (min)		1 cr
Method 2		3 cr
Participation in teaching (max)		3 cr
Method 3		1 cr
Exam (min)		1 cr
Method 4		3 cr
Exam (max)		3 cr
Method 5		1 cr
Independent study (min)		1 cr
Method 6		3 cr
Independent study (max)		3 cr

CVM-137 Statistics: SPSS

CVM-137 Statistics: SPSS

CVM-137 Statistics: SPSS

Abbreviation: Statistics: SPS

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	2-10 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Learning outcomes

EN: Candidates learn principal statistical analysis methods, statistical reasoning and computer modeling with SPSS software.

Additional information

EN:

Target group

The course is optional. The degree programme responsible of the unit is CVM. The course unit belongs to the module of Scientific content studies. The course unit is available to other doctoral candidates.

Timing

Any stage during the studies, course is not organised annually.

Contents

- Lectures and statistical computer modelling and analysis with SPSS. Occasionally, participants' own data can be applied.
- Interactive practical work.

- Course content may vary between courses.

Assessment practices and criteria

Course reports, one for each part. Participant may select one of these parts, or both of them.

Grading: pass/fail.

Completion methods

Participation to lectures, performing statistical computer modelling and analysis with SPSS and final reports.

Lectures in theoretical approach and methods: 1-5 ECTS.

Statistical computer modelling and analysis with SPSS : 1-5 ECTS.

Course content may vary between courses.

Additional information

Instruction language: English or Finnish.

Responsible person

Dos. Vesa Niskanen

Study materials

EN: Supporting literature will be available before course starts.

Completion method and assessment items	Recurrence	Credits
Method 1		5 cr
Participation in teaching		5 cr

CVM-105 Book exam 1

CVM-105 Book exam 1

CVM-105 Book exam 1

Abbreviation: Book exam 1

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-5 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Learning outcomes

EN:

- After completing the course doctoral candidate has received knowledge and or skills which support candidates progress in doctoral education.
- Several book examinations can be done.

Additional information

EN:

Target group

The course is voluntary. The degree programme responsible of the unit is CVM. The course unit belongs to the module of Scientific content studies. The course unit is available to CVM members only.

Timing

Any stage of studies, the course will be offered continuously.

Contents

Doctoral candidate and supervisor agrees with the literature. Candidate does the examination which is evaluated by the supervisor or examiner.

Assessment practices and criteria

Grading: pass/fail.

Completion methods

Examination.

Additional information

Instruction language: Finnish, Swedish, English.

Responsible person

Supervisor.

Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching (min)	-----	1 cr
Method 2		5 cr
Participation in teaching (max)	-----	5 cr
Method 3		1 cr
Exam (min)	-----	1 cr
Method 4		5 cr
Exam (max)	-----	5 cr
Method 5		1 cr
Independent study (min)	-----	1 cr
Method 6		5 cr
Independent study (max)	-----	5 cr

CVM-106 Book exam 2

CVM-106 Book exam 2

CVM-106 Book exam 2

Abbreviation: Book exam 2

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-5 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Learning outcomes**EN:**

- After completing the course doctoral candidate has received knowledge and or skills which support candidates progress in doctoral education.
- Several book examinations can be done.

Additional information**EN:****Target group**

The course is voluntary. The degree programme responsible of the unit is CVM. The course unit belongs to the module of Scientific content studies. The course unit is available to CVM members only.

Timing

Any stage of studies, the course will be offered continuously.

Contents

Doctoral candidate and supervisor agrees with the literature. Candidate does the examination which is evaluated by the supervisor or examiner.

Assessment practices and criteria

Grading: pass/fail.

Completion methods

Examination.

Additional information

Instruction language: Finnish, Swedish, English.

Responsible person

Supervisor.

Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching (min)		1 cr
Method 2		5 cr
Participation in teaching (max)		5 cr
Method 3		1 cr
Exam (min)		1 cr
Method 4		5 cr
Exam (max)		5 cr
Method 5		1 cr
Independent study (min)		1 cr
Method 6		5 cr
Independent study (max)		5 cr

CVM-114 National and international symposium, seminar, course 1

CVM-114 National and international symposium, seminar, course 1

CVM-114 National and international symposium, seminar, course 1

Abbreviation: National and in

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-5 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Learning outcomes

EN:

- Doctoral candidate becomes conversant with the development, basic problems and research methods of his/her own field of research
- Doctoral candidate becomes well#versed in his/her own field of research and its social significance
- Doctoral candidate gains such knowledge of the general theory of science and of other disciplines relating to his/her own field of research as enables him/her to follow developments in them
- Acquires communication, language and other related general skills in addition to (inter)national collaboration.

Additional information

EN:

Target group

The course is optional. The degree programme responsible of the unit is CVM. The course unit belongs to the module of Scientific content studies. The course unit is available to CVM members only.

Timing

Any time during the studies, the course will be offered continuously.

Contents

Participation to national or international scientific course, workshop or other teaching event.

Assessment practices and criteria

Grading: pass/fail.

Completion

Participation to national or international scientific course, workshop or other teaching event.

Fill in order: CVM-114, CVM-115, CVM-116, CVM-117, CVM-118, CVM-119, CVM-120, CVM-121, CVM-122, CVM-123. Do not apply for credits in the same code twice.

Credit registration: <https://studies.helsinki.fi/instructions/article/registration-doctoral-studies> (registration of other studies)

Other information

Instruction language: Finnish, Swedish, English.

Responsible person

Supervisor

Credit transfer instructions

EN: Follow the instructions on the Instructions for Students website, [Registration of Doctoral Studies](#)

Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching (min)	-----	1 cr
Method 2		5 cr
Participation in teaching (max)	-----	5 cr
Method 3		1 cr
Exam (min)	-----	1 cr
Method 4		5 cr
Exam (max)	-----	5 cr
Method 5		1 cr
Independent study (min)	-----	1 cr
Method 6		5 cr
Independent study (max)	-----	5 cr

CVM-115 National and international symposium, seminar, course 2

CVM-115 National and international symposium, seminar, course 2

CVM-115 National and international symposium, seminar, course 2

Abbreviation: National and in

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-5 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Learning outcomes

EN:

- Doctoral candidate becomes conversant with the development, basic problems and research methods of his/her own field of research
- Doctoral candidate becomes well#versed in his/her own field of research and its social significance
- Doctoral candidate gains such knowledge of the general theory of science and of other disciplines relating to his/her own field of research as enables him/her to follow developments in them
- Acquires communication, language and other related general skills in addition to (inter)national collaboration.

Additional information

EN:

Target group

The course is optional. The degree programme responsible of the unit is CVM. The course unit belongs to the module of Scientific content studies. The course unit is available to CVM members only.

Timing

Any time during the studies, the course will be offered continuously.

Contents

Participation to national or international scientific course, workshop or other teaching event.

Assessment practices and criteria

Grading: pass/fail.

Completion

Participation to national or international scientific course, workshop or other teaching event.

Fill in order: CVM-114, CVM-115, CVM-116, CVM-117, CVM-118, CVM-119, CVM-120, CVM-121, CVM-122, CVM-123. Do not apply for credits in the same code twice.

Credit registration: <https://studies.helsinki.fi/instructions/article/registration-doctoral-studies> (registration of other studies)

Other information

Instruction language: Finnish, Swedish, English.

Responsible person

Supervisor

Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching (min)		1 cr
Method 2		5 cr
Participation in teaching (max)		5 cr
Method 3		1 cr
Exam (min)		1 cr
Method 4		5 cr
Exam (max)		5 cr
Method 5		1 cr
Independent study (min)		1 cr
Method 6		5 cr
Independent study (max)		5 cr

CVM-116 National and international symposium, seminar, course 3

CVM-116 National and international symposium, seminar, course 3

CVM-116 National and international symposium, seminar, course 3

Abbreviation: National and in

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-5 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Learning outcomes**EN:**

- Doctoral candidate becomes conversant with the development, basic problems and research methods of his/her own field of research
- Doctoral candidate becomes well#versed in his/her own field of research and its social significance
- Doctoral candidate gains such knowledge of the general theory of science and of other disciplines relating to his/her own field of research as enables him/her to follow developments in them
- Acquires communication, language and other related general skills in addition to (inter)national collaboration.

Additional information**EN:****Target group**

The course is optional. The degree programme responsible of the unit is CVM. The course unit belongs to the module of Scientific content studies. The course unit is available to CVM members only.

Timing

Any time during the studies, the course will be offered continuously.

Contents

Participation to national or international scientific course, workshop or other teaching event.

Assessment practices and criteria

Grading: pass/fail.

Completion

Participation to national or international scientific course, workshop or other teaching event.

Fill in order: CVM-114, CVM-115, CVM-116, CVM-117, CVM-118, CVM-119, CVM-120, CVM-121, CVM-122, CVM-123. Do not apply for credits in the same code twice.

Credit registration: <https://studies.helsinki.fi/instructions/article/registration-doctoral-studies> (registration of other studies)

Other information

Instruction language: Finnish, Swedish, English.

Responsible person

Supervisor

Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching (min)	-----	1 cr
Method 2		5 cr
Participation in teaching (max)	-----	5 cr
Method 3		1 cr
Exam (min)	-----	1 cr
Method 4		5 cr
Exam (max)	-----	5 cr
Method 5		1 cr
Independent study (min)	-----	1 cr
Method 6		5 cr
Independent study (max)	-----	5 cr

CVM-117 National and international symposium, seminar, course 4

CVM-117 National and international symposium, seminar, course 4

CVM-117 National and international symposium, seminar, course 4

Abbreviation: National and in

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-5 cr
Languages	English, Finnish

Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Learning outcomes

EN:

- Doctoral candidate becomes conversant with the development, basic problems and research methods of his/her own field of research
- Doctoral candidate becomes well#versed in his/her own field of research and its social significance
- Doctoral candidate gains such knowledge of the general theory of science and of other disciplines relating to his/her own field of research as enables him/her to follow developments in them
- Acquires communication, language and other related general skills in addition to (inter)national collaboration.

Additional information

EN:

Target group

The course is optional. The degree programme responsible of the unit is CVM. The course unit belongs to the module of Scientific content studies. The course unit is available to CVM members only.

Timing

Any time during the studies, the course will be offered continuously.

Contents

Participation to national or international scientific course, workshop or other teaching event.

Assessment practices and criteria

Grading: pass/fail.

Completion

Participation to national or international scientific course, workshop or other teaching event.

Fill in order: CVM-114, CVM-115, CVM-116, CVM-117, CVM-118, CVM-119, CVM-120, CVM-121, CVM-122, CVM-123. Do not apply for credits in the same code twice.

Credit registration: <https://studies.helsinki.fi/instructions/article/registration-doctoral-studies> (registration of other studies)

Other information

Instruction language: Finnish, Swedish, English.

Responsible person

Supervisor

Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching (min)		1 cr
Method 2		5 cr
Participation in teaching (max)		5 cr
Method 3		1 cr
Exam (min)		1 cr
Method 4		5 cr
Exam (max)		5 cr
Method 5		1 cr
Independent study (min)		1 cr
Method 6		5 cr
Independent study (max)		5 cr

CVM-118 National and international symposium, seminar, course 5

CVM-118 National and international symposium, seminar, course 5

CVM-118 National and international symposium, seminar, course 5

Abbreviation: Optional courses 5

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-5 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Learning outcomes

EN:

- Doctoral candidate becomes conversant with the development, basic problems and research methods of his/her own field of research
- Doctoral candidate becomes well#versed in his/her own field of research and its social significance
- Doctoral candidate gains such knowledge of the general theory of science and of other disciplines relating to his/her own field of research as enables him/her to follow developments in them
- Acquires communication, language and other related general skills in addition to (inter)national collaboration.

Additional information

EN:

Target group

The course is optional. The degree programme responsible of the unit is CVM. The course unit belongs to the module of Scientific content studies. The course unit is available to CVM members only.

Timing

Any time during the studies, the course will be offered continuously.

Contents

Participation to national or international scientific course, workshop or other teaching event.

Assessment practices and criteria

Grading: pass/fail.

Completion

Participation to national or international scientific course, workshop or other teaching event.

Fill in order: CVM-114, CVM-115, CVM-116, CVM-117, CVM-118, CVM-119, CVM-120, CVM-121, CVM-122, CVM-123. Do not apply for credits in the same code twice.

Credit registration: <https://studies.helsinki.fi/instructions/article/registration-doctoral-studies> (registration of other studies)

Other information

Instruction language: Finnish, Swedish, English.

Responsible person

Supervisor

Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching (min)	-----	1 cr
Method 2		5 cr
Participation in teaching (max)	-----	5 cr
Method 3		1 cr
Exam (min)	-----	1 cr
Method 4		5 cr
Exam (max)	-----	5 cr
Method 5		1 cr
Independent study (min)	-----	1 cr
Method 6		5 cr
Independent study (max)	-----	5 cr

CVM-119 National and international symposium, seminar, course 6

CVM-119 National and international symposium, seminar, course 6

CVM-119 National and international symposium, seminar, course 6

Abbreviation: National and in

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-5 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%

Responsible person	△ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Learning outcomes

EN:

- Doctoral candidate becomes conversant with the development, basic problems and research methods of his/her own field of research
- Doctoral candidate becomes well#versed in his/her own field of research and its social significance
- Doctoral candidate gains such knowledge of the general theory of science and of other disciplines relating to his/her own field of research as enables him/her to follow developments in them
- Acquires communication, language and other related general skills in addition to (inter)national collaboration.

Additional information

EN:

Target group

The course is optional. The degree programme responsible of the unit is CVM. The course unit belongs to the module of Scientific content studies. The course unit is available to CVM members only.

Timing

Any time during the studies, the course will be offered continuously.

Contents

Participation to national or international scientific course, workshop or other teaching event.

Assessment practices and criteria

Grading: pass/fail.

Completion

Participation to national or international scientific course, workshop or other teaching event.

Fill in order: CVM-114, CVM-115, CVM-116, CVM-117, CVM-118, CVM-119, CVM-120, CVM-121, CVM-122, CVM-123. Do not apply for credits in the same code twice.

Credit registration: <https://studies.helsinki.fi/instructions/article/registration-doctoral-studies> (registration of other studies)

Other information

Instruction language: Finnish, Swedish, English.

Responsible person

Supervisor

Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching (min)	-----	1 cr
Method 2		5 cr

Participation in teaching (max)	5 cr
Method 3	1 cr
Exam (min)	1 cr
Method 4	5 cr
Exam (max)	5 cr
Method 5	1 cr
Independent study (min)	1 cr
Method 6	5 cr
Independent study (max)	5 cr

CVM-120 National and international symposium, seminar, course 7

CVM-120 National and international symposium, seminar, course 7

CVM-120 National and international symposium, seminar, course 7

Abbreviation: National and in

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-5 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Learning outcomes

EN:

- Doctoral candidate becomes conversant with the development, basic problems and research methods of his/her own field of research
- Doctoral candidate becomes well#versed in his/her own field of research and its social significance
- Doctoral candidate gains such knowledge of the general theory of science and of other disciplines relating to his/her own field of research as enables him/her to follow developments in them
- Acquires communication, language and other related general skills in addition to (inter)national collaboration.

Additional information

EN:

Target group

The course is optional. The degree programme responsible of the unit is CVM. The course unit belongs to the module of Scientific content studies. The course unit is available to CVM members only.

Timing

Any time during the studies, the course will be offered continuously.

Contents

Participation to national or international scientific course, workshop or other teaching event.

Assessment practices and criteria

Grading: pass/fail.

Completion

Participation to national or international scientific course, workshop or other teaching event.

Fill in order: CVM-114, CVM-115, CVM-116, CVM-117, CVM-118, CVM-119, CVM-120, CVM-121, CVM-122, CVM-123. Do not apply for credits in the same code twice.

Credit registration: <https://studies.helsinki.fi/instructions/article/registration-doctoral-studies> (registration of other studies)

Other information

Instruction language: Finnish, Swedish, English.

Responsible person

Supervisor

Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching (min)		1 cr
Method 2		5 cr
Participation in teaching (max)		5 cr
Method 3		1 cr
Exam (min)		1 cr
Method 4		5 cr
Exam (max)		5 cr
Method 5		1 cr
Independent study (min)		1 cr
Method 6		5 cr
Independent study (max)		5 cr

CVM-121 National and international symposium, seminar, course 8

CVM-121 National and international symposium, seminar, course 8

CVM-121 National and international symposium, seminar, course 8

Abbreviation: National and in

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-5 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Learning outcomes

EN:

- Doctoral candidate becomes conversant with the development, basic problems and research methods of his/her own field of research
- Doctoral candidate becomes well#versed in his/her own field of research and its social significance
- Doctoral candidate gains such knowledge of the general theory of science and of other disciplines relating to his/her own field of research as enables him/her to follow developments in them
- Acquires communication, language and other related general skills in addition to (inter)national collaboration.

Additional information

EN:

Target group

The course is optional. The degree programme responsible of the unit is CVM. The course unit belongs to the module of Scientific content studies. The course unit is available to CVM members only.

Timing

Any time during the studies, the course will be offered continuously.

Contents

Participation to national or international scientific course, workshop or other teaching event.

Assessment practices and criteria

Grading: pass/fail.

Completion

Participation to national or international scientific course, workshop or other teaching event.

Fill in order: CVM-114, CVM-115, CVM-116, CVM-117, CVM-118, CVM-119, CVM-120, CVM-121, CVM-122, CVM-123. Do not apply for credits in the same code twice.

Credit registration: <https://studies.helsinki.fi/instructions/article/registration-doctoral-studies> (registration of other studies)

Other information

Instruction language: Finnish, Swedish, English.

Responsible person

Supervisor

Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching (min)	-----	1 cr
Method 2		5 cr
Participation in teaching (max)	-----	5 cr
Method 3		1 cr
Exam (min)	-----	1 cr
Method 4		5 cr
Exam (max)	-----	5 cr

Method 5	1 cr
Independent study (min)	1 cr
Method 6	5 cr
Independent study (max)	5 cr

CVM-122 National and international symposium, seminar, course 9

CVM-122 National and international symposium, seminar, course 9

CVM-122 National and international symposium, seminar, course 9

Abbreviation: National and in

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-5 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Learning outcomes

EN:

- Doctoral candidate becomes conversant with the development, basic problems and research methods of his/her own field of research
- Doctoral candidate becomes well#versed in his/her own field of research and its social significance
- Doctoral candidate gains such knowledge of the general theory of science and of other disciplines relating to his/her own field of research as enables him/her to follow developments in them
- Acquires communication, language and other related general skills in addition to (inter)national collaboration.

Additional information

EN:

Target group

The course is optional. The degree programme responsible of the unit is CVM. The course unit belongs to the module of Scientific content studies. The course unit is available to CVM members only.

Timing

Any time during the studies, the course will be offered continuously.

Contents

Participation to national or international scientific course, workshop or other teaching event.

Assessment practices and criteria

Grading: pass/fail.

Completion

Participation to national or international scientific course, workshop or other teaching event.

Fill in order: CVM-114, CVM-115, CVM-116, CVM-117, CVM-118, CVM-119, CVM-120, CVM-121, CVM-122, CVM-123. Do not apply for credits in the same code twice.

Credit registration: <https://studies.helsinki.fi/instructions/article/registration-doctoral-studies> (registration of other studies)

Other information

Instruction language: Finnish, Swedish, English.

Responsible person

Supervisor

Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching (min)	-----	1 cr
Method 2		5 cr
Participation in teaching (max)	-----	5 cr
Method 3		1 cr
Exam (min)	-----	1 cr
Method 4		5 cr
Exam (max)	-----	5 cr
Method 5		1 cr
Independent study (min)	-----	1 cr
Method 6		5 cr
Independent study (max)	-----	5 cr

CVM-123 National and international symposium, seminar, course 10

CVM-123 National and international symposium, seminar, course 10

CVM-123 National and international symposium, seminar, course 10

Abbreviation: National and in

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-5 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Learning outcomes

EN:

- Doctoral candidate becomes conversant with the development, basic problems and research methods of his/her own field of research

- Doctoral candidate becomes well#versed in his/her own field of research and its social significance
- Doctoral candidate gains such knowledge of the general theory of science and of other disciplines relating to his/her own field of research as enables him/her to follow developments in them
- Acquires communication, language and other related general skills in addition to (inter)national collaboration.

Additional information

EN:

Target group

The course is optional. The degree programme responsible of the unit is CVM. The course unit belongs to the module of Scientific content studies. The course unit is available to CVM members only.

Timing

Any time during the studies, the course will be offered continuously.

Contents

Participation to national or international scientific course, workshop or other teaching event.

Assessment practices and criteria

Grading: pass/fail.

Completion

Participation to national or international scientific course, workshop or other teaching event.

Fill in order: CVM-114, CVM-115, CVM-116, CVM-117, CVM-118, CVM-119, CVM-120, CVM-121, CVM-122, CVM-123. Do not apply for credits in the same code twice.

Credit registration: <https://studies.helsinki.fi/instructions/article/registration-doctoral-studies> (registration of other studies)

Other information

Instruction language: Finnish, Swedish, English.

Responsible person

Supervisor

Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching (min)	-----	1 cr
Method 2		5 cr
Participation in teaching (max)	-----	5 cr
Method 3		1 cr
Exam (min)	-----	1 cr
Method 4		5 cr
Exam (max)	-----	5 cr
Method 5		1 cr
Independent study (min)	-----	1 cr
Method 6		5 cr
Independent study (max)	-----	5 cr
Method 7		3 cr
Participation in teaching	-----	3 cr

CVM-124 Research visit 1

CVM-124 Research visit 1

CVM-124 Research visit 1

Abbreviation: Research visit

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	2 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Learning outcomes

EN: Doctoral candidate:

1. Becomes well#versed in his/her own field of research and its social significance
2. Gains knowledge and skills needed to apply scientific research methods independently and critically, and the ability to produce new scientific knowledge within his/her field of research
3. Becomes conversant with the development, basic problems and research methods of his/her own field of research
4. Gains such knowledge of the general theory of science and of other disciplines relating to his/her own field of research as enables him/her to follow developments in them
5. Acquires sufficient communication, language and other related general skills required for posts of high expertise and international collaboration.

These outcomes are strengthened by networking with peer doctoral candidates, supervisors and experts.

Additional information

EN:

Target group

The course is optional. The degree programme responsible of the unit is CVM. The course unit belongs to the module of Scientific content studies. The course unit is available to CVM members only.

Timing

Any stage during the studies, the course will be offered continuously.

Contents

Working outside own working place for minimum of 5 days.

Assessment practices and criteria

Invitation letter of the hosting laboratory is required.

It is recommended that doctoral candidate shares the knowledge and skills obtained in the visit at own research group and others interested in the topic.

Grading: pass/fail

Completion methods

Working outside own working place for minimum of 5 days. 2 ECTS / week

Credit registration: <https://studies.helsinki.fi/instructions/article/registration-doctoral-studies> (registration of other studies)

Additional information

Instruction language: Finnish, Swedish, English.

Responsible person

Supervisor

Completion method and assessment items	Recurrence	Credits
Method 1		2 cr
Participation in teaching		2 cr
Method 2		2 cr
Exam		2 cr
Method 3		2 cr
Independent study		2 cr

CVM-125 Research visit 2

CVM-125 Research visit 2

CVM-125 Research visit 2

Abbreviation: Research visit

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	2 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Learning outcomes

EN: Doctoral candidate:

1. Becomes well#versed in his/her own field of research and its social significance
2. Gains knowledge and skills needed to apply scientific research methods independently and critically, and the ability to produce new scientific knowledge within his/her field of research
3. Becomes conversant with the development, basic problems and research methods of his/her own field of research
4. Gains such knowledge of the general theory of science and of other disciplines relating to his/her own field of research as enables him/her to follow developments in them
5. Acquires sufficient communication, language and other related general skills required for posts of high expertise and international collaboration.

These outcomes are strengthened by networking with peer doctoral candidates, supervisors and experts.

Additional information**EN:****Target group**

The course is optional. The degree programme responsible of the unit is CVM. The course unit belongs to the module of Scientific content studies. The course unit is available to CVM members only.

Timing

Any stage during the studies, the course will be offered continuously.

Contents

Working outside own working place for minimum of 5 days.

Assessment practices and criteria

Invitation letter of the hosting laboratory is required.

It is recommended that doctoral candidate shares the knowledge and skills obtained in the visit at own research group and others interested in the topic.

Grading: pass/fail

Completion methods

Working outside own working place for minimum of 5 days. 2 ECTS / week

Credit registration: <https://studies.helsinki.fi/instructions/article/registration-doctoral-studies> (registration of other studies)

Additional information

Instruction language: Finnish, Swedish, English.

Responsible person

Supervisor

Completion method and assessment items	Recurrence	Credits
Method 1		2 cr
Participation in teaching		2 cr
Method 2		2 cr
Exam		2 cr
Method 3		2 cr
Independent study		2 cr

CVM-126 Research visit 3

CVM-126 Research visit 3

CVM-126 Research visit 3

Abbreviation: Research visit

Curriculum periods

2023-24, 2024-25, 2025-26

Validity period

since 1 Aug 2023

Credits	2 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Learning outcomes

EN: Doctoral candidate:

1. Becomes well#versed in his/her own field of research and its social significance
2. Gains knowledge and skills needed to apply scientific research methods independently and critically, and the ability to produce new scientific knowledge within his/her field of research
3. Becomes conversant with the development, basic problems and research methods of his/her own field of research
4. Gains such knowledge of the general theory of science and of other disciplines relating to his/her own field of research as enables him/her to follow developments in them
5. Acquires sufficient communication, language and other related general skills required for posts of high expertise and international collaboration.

These outcomes are strengthened by networking with peer doctoral candidates, supervisors and experts.

Additional information

EN:

Target group

The course is optional. The degree programme responsible of the unit is CVM. The course unit belongs to the module of Scientific content studies. The course unit is available to CVM members only.

Timing

Any stage during the studies, the course will be offered continuously.

Contents

Working outside own working place for minimum of 5 days.

Assessment practices and criteria

Invitation letter of the hosting laboratory is required.

It is recommended that doctoral candidate shares the knowledge and skills obtained in the visit at own research group and others interested in the topic.

Grading: pass/fail

Completion methods

Working outside own working place for minimum of 5 days. 2 ECTS / week

Credit registration: <https://studies.helsinki.fi/instructions/article/registration-doctoral-studies> (registration of other studies)

Additional information

Instruction language: Finnish, Swedish, English.

Responsible person

Supervisor

Completion method and assessment items	Recurrence	Credits
Method 1		2 cr
Participation in teaching		2 cr
Method 2		2 cr
Exam		2 cr
Method 3		2 cr
Independent study		2 cr

CVM-127 Research visit 4**CVM-127 Research visit 4****CVM-127 Research visit 4****Abbreviation: Research visit**

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	2 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Learning outcomes**EN:** Doctoral candidate:

1. Becomes well#versed in his/her own field of research and its social significance
2. Gains knowledge and skills needed to apply scientific research methods independently and critically, and the ability to produce new scientific knowledge within his/her field of research
3. Becomes conversant with the development, basic problems and research methods of his/her own field of research
4. Gains such knowledge of the general theory of science and of other disciplines relating to his/her own field of research as enables him/her to follow developments in them
5. Acquires sufficient communication, language and other related general skills required for posts of high expertise and international collaboration.

These outcomes are strengthened by networking with peer doctoral candidates, supervisors and experts.

Additional information**EN:****Target group**

The course is optional. The degree programme responsible of the unit is CVM. The course unit belongs to the module of Scientific content studies. The course unit is available to CVM members only.

Timing

Any stage during the studies, the course will be offered continuously.

Contents

Working outside own working place for minimum of 5 days.

Assessment practices and criteria

Invitation letter of the hosting laboratory is required.

It is recommended that doctoral candidate shares the knowledge and skills obtained in the visit at own research group and others interested in the topic.

Grading: pass/fail

Completion methods

Working outside own working place for minimum of 5 days. 2 ECTS / week

Credit registration: <https://studies.helsinki.fi/instructions/article/registration-doctoral-studies> (registration of other studies)

Additional information

Instruction language: Finnish, Swedish, English.

Responsible person

Supervisor

Completion method and assessment items	Recurrence	Credits
Method 1		2 cr
Participation in teaching		2 cr
Method 2		2 cr
Exam		2 cr
Method 3		2 cr
Independent study		2 cr

CVM-128 Research visit 5

CVM-128 Research visit 5

CVM-128 Research visit 5

Abbreviation: Research visit

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	2 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Learning outcomes

EN: Doctoral candidate:

1. Becomes well#versed in his/her own field of research and its social significance
2. Gains knowledge and skills needed to apply scientific research methods independently and critically, and the ability to produce new scientific knowledge within his/her field of research
3. Becomes conversant with the development, basic problems and research methods of his/her own field of research
4. Gains such knowledge of the general theory of science and of other disciplines relating to his/her own field of research as enables him/her to follow developments in them
5. Acquires sufficient communication, language and other related general skills required for posts of high expertise and international collaboration.

These outcomes are strengthened by networking with peer doctoral candidates, supervisors and experts.

Additional information

EN:

Target group

The course is optional. The degree programme responsible of the unit is CVM. The course unit belongs to the module of Scientific content studies. The course unit is available to CVM members only.

Timing

Any stage during the studies, the course will be offered continuously.

Contents

Working outside own working place for minimum of 5 days.

Assessment practices and criteria

Invitation letter of the hosting laboratory is required.

It is recommended that doctoral candidate shares the knowledge and skills obtained in the visit at own research group and others interested in the topic.

Grading: pass/fail

Completion methods

Working outside own working place for minimum of 5 days. 2 ECTS / week

Credit registration: <https://studies.helsinki.fi/instructions/article/registration-doctoral-studies> (registration of other studies)

Additional information

Instruction language: Finnish, Swedish, English.

Responsible person

Supervisor

Completion method and assessment items	Recurrence	Credits
Method 1		2 cr
Participation in teaching	-----	2 cr
Method 2		2 cr
Exam	-----	2 cr

Method 3

2 cr

Independent study

2 cr

CVM-107 Scientific conference 1**CVM-107 Scientific conference 1****CVM-107 Scientific conference 1****Abbreviation: Scientific conf**

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-2 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Prerequisites**EN:** None.**Learning outcomes****EN:**

- Doctoral candidate becomes conversant with the development, basic problems and research methods of his/her own field of research
- Doctoral candidate becomes well#versed in his/her own field of research and its social significance
- Doctoral candidate gains such knowledge of the general theory of science and of other disciplines relating to his/her own field of research as enables him/her to follow developments in them
- Acquires communication, language and other related general skills in addition to (inter)national collaboration.

Additional information**EN:****Target group**

The course is optional. The degree programme responsible of the unit is CVM. The course unit belongs to the module of "International Scientific Activities". The course unit is available to CVM members only. Max 10 credits possible.

Timing

Any stage of studies, the course will be offered continuously.

Contents

Attendance and presentation at (inter)national scientific event.

Assessment practices and criteria

Grading: pass/fail.

Completion

Attendance and presentation of poster or oral presentation in a scientific event.

2 ECTS / poster or talk. Max 10 credits possible.

Conferences are registered on: CVM-107, CVM-108, CVM-109, CVM-110, CVM-111. Do not register twice on the same course code.

Other information

Credit registration: <https://studies.helsinki.fi/instructions/article/registration-doctoral-studies> (registration of other studies)

Other information

Instruction language: Finnish, Swedish, English.

Responsible person

Supervisor

Credit transfer instructions

EN: Follow the instructions on the Instructions for Students website, [Registration of Doctoral Studies](#)

Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching (min)	-----	1 cr
Method 2		2 cr
Participation in teaching (max)	-----	2 cr
Method 3		1 cr
Exam (min)	-----	1 cr
Method 4		2 cr
Exam (max)	-----	2 cr
Method 5		1 cr
Independent study (min)	-----	1 cr
Method 6		2 cr
Independent study (max)	-----	2 cr

CVM-108 Scientific conference 2

CVM-108 Scientific conference 2

CVM-108 Scientific conference 2

Abbreviation: Scientific conf

Curriculum periods 2023-24, 2024-25, 2025-26

Validity period since 1 Aug 2023

Credits 1-2 cr

Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Learning outcomes

EN:

- Doctoral candidate becomes conversant with the development, basic problems and research methods of his/her own field of research
- Doctoral candidate becomes well#versed in his/her own field of research and its social significance
- Doctoral candidate gains such knowledge of the general theory of science and of other disciplines relating to his/her own field of research as enables him/her to follow developments in them
- Acquires communication, language and other related general skills in addition to (inter)national collaboration.

Additional information

EN:

Target group

The course is optional. The degree programme responsible of the unit is CVM. The course unit belongs to the module of "Scientific conferences and seminars". The course unit is available to CVM members only. Max 10 credits possible.

Timing

Any stage of studies, the course will be offered continuously.

Contents

Attendance and presentation at (inter)national scientific event.

Assessment practices and criteria

Grading: pass/fail.

Completion

Attendance and presentation of poster or oral presentation in a scientific event.

2 ECTS / poster or talk. Max 10 credits possible.

Conferences are registered on: CVM-107, CVM-108, CVM-109, CVM-110, CVM-111. Do not register twice on the same course code.

Other information

Credit registration: <https://studies.helsinki.fi/instructions/article/registration-doctoral-studies> (registration of other studies)

Other information

Instruction language: Finnish, Swedish, English.

Responsible person

Supervisor

Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching (min)		1 cr
Method 2		2 cr
Participation in teaching (max)		2 cr
Method 3		1 cr
Exam (min)		1 cr
Method 4		2 cr
Exam (max)		2 cr
Method 5		1 cr
Independent study (min)		1 cr
Method 6		2 cr
Independent study (max)		2 cr

CVM-109 Scientific conference 3

CVM-109 Scientific conference 3

CVM-109 Scientific conference 3

Abbreviation: Scientific conf

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-2 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Learning outcomes**EN:**

- Doctoral candidate becomes conversant with the development, basic problems and research methods of his/her own field of research
- Doctoral candidate becomes well#versed in his/her own field of research and its social significance
- Doctoral candidate gains such knowledge of the general theory of science and of other disciplines relating to his/her own field of research as enables him/her to follow developments in them
- Acquires communication, language and other related general skills in addition to (inter)national collaboration.

Additional information**EN:**

Target group

The course is optional. The degree programme responsible of the unit is CVM. The course unit belongs to the module of "International Scientific Activities". The course unit is available to CVM members only. Max 10 credits possible.

Timing

Any stage of studies, the course will be offered continuously.

Contents

Attendance and presentation at (inter)national scientific event.

Assessment practices and criteria

Grading: pass/fail.

Completion

Attendance and presentation of poster or oral presentation in a scientific event.

2 ECTS / poster or talk. Max 10 credits possible.

Conferences are registered on: CVM-107, CVM-108, CVM-109, CVM-110, CVM-111. Do not register twice on the same course code.

Other information

Credit registration: <https://studies.helsinki.fi/instructions/article/registration-doctoral-studies> (registration of other studies)

Other information

Instruction language: Finnish, Swedish, English.

Responsible person

Supervisor

Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching (min)	-----	1 cr
Method 2		2 cr
Participation in teaching (max)	-----	2 cr
Method 3		1 cr
Exam (min)	-----	1 cr
Method 4		2 cr
Exam (max)	-----	2 cr
Method 5		1 cr
Independent study (min)	-----	1 cr
Method 6		2 cr
Independent study (max)	-----	2 cr

CVM-110 Scientific conference 4

CVM-110 Scientific conference 4

CVM-110 Scientific conference 4

Abbreviation: Scientific conf

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-2 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Learning outcomes

EN:

- Doctoral candidate becomes conversant with the development, basic problems and research methods of his/her own field of research
- Doctoral candidate becomes well#versed in his/her own field of research and its social significance
- Doctoral candidate gains such knowledge of the general theory of science and of other disciplines relating to his/her own field of research as enables him/her to follow developments in them
- Acquires communication, language and other related general skills in addition to (inter)national collaboration.

Additional information

EN:

Target group

The course is optional. The degree programme responsible of the unit is CVM. The course unit belongs to the module of "Scientific conferences and seminars". The course unit is available to CVM members only. Max 10 credits possible.

Timing

Any stage of studies, the course will be offered continuously.

Contents

Attendance and presentation at (inter)national scientific event.

Assessment practices and criteria

Grading: pass/fail.

Completion

Attendance and presentation of poster or oral presentation in a scientific event.

2 ECTS / poster or talk. Max 10 credits possible.

Conferences are registered on: CVM-107, CVM-108, CVM-109, CVM-110, CVM-111. Do not register twice on the same course code.

Other information

Credit registration: <https://studies.helsinki.fi/instructions/article/registration-doctoral-studies> (registration of other studies)

Other information

Instruction language: Finnish, Swedish, English.

Responsible person

Supervisor

Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching (min)		1 cr
Method 2		2 cr
Participation in teaching (max)		2 cr
Method 3		1 cr
Exam (min)		1 cr
Method 4		2 cr
Exam (max)		2 cr
Method 5		1 cr
Independent study (min)		1 cr
Method 6		2 cr
Independent study (max)		2 cr

CVM-111 Scientific conference 5

CVM-111 Scientific conference 5

CVM-111 Scientific conference 5

Abbreviation: Scientific conf

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-2 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Learning outcomes

EN:

- Doctoral candidate becomes conversant with the development, basic problems and research methods of his/her own field of research
- Doctoral candidate becomes well#versed in his/her own field of research and its social significance

- Doctoral candidate gains such knowledge of the general theory of science and of other disciplines relating to his/her own field of research as enables him/her to follow developments in them
- Acquires communication, language and other related general skills in addition to (inter)national collaboration.

Additional information

EN:

Target group

The course is optional. The degree programme responsible of the unit is CVM. The course unit belongs to the module of "Scientific conferences and seminars". The course unit is available to CVM members only. Max 10 credits possible.

Timing

Any stage of studies, the course will be offered continuously.

Contents

Attendance and presentation at (inter)national scientific event.

Assessment practices and criteria

Grading: pass/fail.

Completion

Attendance and presentation of poster or oral presentation in a scientific event.

2 ECTS / poster or talk. Max 10 credits possible.

Conferences are registered on: CVM-107, CVM-108, CVM-109, CVM-110, CVM-111. Do not register twice on the same course code.

Other information

Credit registration: <https://studies.helsinki.fi/instructions/article/registration-doctoral-studies> (registration of other studies)

Other information

Instruction language: Finnish, Swedish, English.

Responsible person

Supervisor

Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching (min)	-----	1 cr
Method 2		2 cr
Participation in teaching (max)	-----	2 cr
Method 3		1 cr
Exam (min)	-----	1 cr
Method 4		2 cr
Exam (max)	-----	2 cr
Method 5		1 cr

Independent study (min)	1 cr
Method 6	2 cr
Independent study (max)	2 cr

CVM-112 Scientific publications not included in the thesis 1

CVM-112 Scientific publications not included in the thesis 1

CVM-112 Scientific publications not included in the thesis 1

Abbreviation: Scientific publ

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-2 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Learning outcomes

EN:

- Doctoral candidate becomes conversant with the development, basic problems and research methods of his/her own field of research
- Doctoral candidate becomes well#versed in his/her own field of research and its social significance
- Doctoral candidate gains such knowledge of the general theory of science and of other disciplines relating to his/her own field of research as enables him/her to follow developments in them
- Acquires communication, language and other related general skills in addition to (inter)national collaboration.

Additional information

EN:

Target group

The course is optional. The degree programme responsible of the unit is CVM. The course unit belongs to the module of Scientific content studies. The course unit is available to CVM members only.

Timing

Any stage of studies, the course will be offered continuously.

Contents

Writing a publication or performing other tasks not included in the thesis.

Assessment practices and criteria

Grading: pass/fail.

Completion

Writing a publication or performing other tasks not included in the thesis.

Doctoral student as 1st author (2 cr), as another author (1 cr). Max 4 cr.

Credit registration: <https://studies.helsinki.fi/instructions/article/registration-doctoral-studies> (registration of other studies)

Other information

Instruction language: Finnish, Swedish, English.

Responsible person

Supervisor

Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching (min)	-----	1 cr
Method 2		2 cr
Participation in teaching (max)	-----	2 cr
Method 3		1 cr
Exam (min)	-----	1 cr
Method 4		2 cr
Exam (max)	-----	2 cr
Method 5		1 cr
Independent study (min)	-----	1 cr
Method 6		2 cr
Independent study (max)	-----	2 cr

CVM-113 Scientific publications not included in the thesis 2

CVM-113 Scientific publications not included in the thesis 2

CVM-113 Scientific publications not included in the thesis 2

Abbreviation: Scientific publ

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-2 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Learning outcomes

EN:

- Doctoral candidate becomes conversant with the development, basic problems and research methods of his/her own field of research
- Doctoral candidate becomes well#versed in his/her own field of research and its social significance
- Doctoral candidate gains such knowledge of the general theory of science and of other disciplines relating to his/her own field of research as enables him/her to follow developments in them
- Acquires communication, language and other related general skills in addition to (inter)national collaboration.

Additional information

EN:

Target group

The course is optional. The degree programme responsible of the unit is CVM. The course unit belongs to the module of Scientific content studies. The course unit is available to CVM members only.

Timing

Any stage of studies, the course will be offered continuously.

Contents

Writing a publication or performing other tasks not included in the thesis.

Assessment practices and criteria

Grading: pass/fail.

Completion

Writing a publication or performing other tasks not included in the thesis.

Doctoral student as 1st author (2 cr), as another author (1 cr). Max 4 cr.

Credit registration: <https://studies.helsinki.fi/instructions/article/registration-doctoral-studies> (registration of other studies)

Other information

Instruction language: Finnish, Swedish, English.

Responsible person

Supervisor

Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching (min)	-----	1 cr
Method 2		2 cr
Participation in teaching (max)	-----	2 cr
Method 3		1 cr
Exam (min)	-----	1 cr
Method 4		2 cr
Exam (max)	-----	2 cr
Method 5		1 cr
Independent study (min)	-----	1 cr
Method 6		2 cr
Independent study (max)	-----	2 cr

CVM-130 CVM autumn seminar 1

CVM-130 CVM autumn seminar 1

CVM-130 CVM autumn seminar 1

Abbreviation: CVM autumn semi

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-2 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Prerequisites

EN: No prior doctoral education is required.

Learning outcomes

EN: Doctoral candidates becomes aware of the progression colleagues research and current processes in CVM doctoral education (CVM and faculties recommendations and obligations), career prospects and networks with other doctoral candidates and supervisors.

Additional information

EN:

Target group

CVM degree programme is responsible for the course. This course belongs to Scientific content studies module. The course is available to students from other degree programmes.

Timing

Annual meeting for updating current doctoral candidate research and relevant topics.

The course is usually offered in the autumn term every year, most likely in teaching period II.

Contents

One-two days of lectures, discussions, group works and assignments.

1-2 cr. Credits may vary annually.

Assessment practices and criteria

Approximate credits: attendance 0,5-1.0 cr, poster/oral presentation 0.5-1.0 cr.

Completion methods

Lectures, poster and/or oral presentations of the research, interactive discussions, group works and assignments as contact teaching.

Additional information

Instruction language: English.

Responsible person

CVM planning officer, Student council and other CVM members.

Study materials

EN: Recommended supplementary material defined typically before the course in web sites of CVM, Faculty of Veterinary Medicine or Faculty of Agriculture and Forestry.

Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching (min)	-----	1 cr
Method 2		2 cr
Participation in teaching (max)	-----	2 cr
Method 3		1 cr
Exam (min)	-----	1 cr
Method 4		2 cr
Exam (max)	-----	2 cr
Method 5		1 cr
Independent study (min)	-----	1 cr
Method 6		2 cr
Independent study (max)	-----	2 cr

CVM-131 CVM autumn seminar 2

CVM-131 CVM autumn seminar 2

CVM-131 CVM autumn seminar 2

Abbreviation: CVM autumn semi

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-2 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Prerequisites

EN: No prior doctoral education is required.

Learning outcomes

EN: Doctoral candidates becomes aware of the progression colleagues research and current processes in CVM doctoral education (CVM and faculties recommendations and obligations), career prospects and networks with other doctoral candidates and supervisors.

Additional information

EN:

Target group

CVM degree programme is responsible for the course. This course belongs to Scientific content studies module. The course is available to students from other degree programmes.

Timing

Annual meeting for updating current doctoral candidate research and relevant topics.

The course is usually offered in the autumn term every year, most likely in teaching period II.

Contents

One-two days of lectures, discussions, group works and assignments.

1-2 cr. Credits may vary annually.

Assessment practices and criteria

Approximate credits: attendance 0,5-1.0 cr, poster/oral presentation 0.5-1.0 cr.

Completion methods

Lectures, poster and/or oral presentations of the research, interactive discussions, group works and assignments as contact teaching.

Additional information

Instruction language: English.

Responsible person

CVM planning officer, Student council and other CVM members.

Study materials

EN: Recommended supplementary material defined typically before the course in web sites of CVM, Faculty of Veterinary Medicine or Faculty of Agriculture and Forestry.

Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching (min)	-----	1 cr
Method 2		2 cr
Participation in teaching (max)	-----	2 cr
Method 3		1 cr
Exam (min)	-----	1 cr
Method 4		2 cr
Exam (max)	-----	2 cr
Method 5		1 cr
Independent study (min)	-----	1 cr
Method 6		2 cr
Independent study (max)	-----	2 cr

CVM-132 CVM autumn seminar 3

CVM-132 CVM autumn seminar 3

CVM-132 CVM autumn seminar 3

Abbreviation: CVM autumn semi

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-2 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Prerequisites

EN: No prior doctoral education is required.

Learning outcomes

EN: Doctoral candidates becomes aware of the progression colleagues research and current processes in CVM doctoral education (CVM and faculties recommendations and obligations), career prospects and networks with other doctoral candidates and supervisors.

Additional information

EN:

Target group

CVM degree programme is responsible for the course. This course belongs to Scientific content studies module. The course is available to students from other degree programmes.

Timing

Annual meeting for updating current doctoral candidate research and relevant topics.

The course is usually offered in the autumn term every year, most likely in teaching period II.

Contents

One-two days of lectures, discussions, group works and assignments.

1-2 cr. Credits may vary annually.

Assessment practices and criteria

Approximate credits: attendance 0,5-1.0 cr, poster/oral presentation 0.5-1.0 cr.

Completion methods

Lectures, poster and/or oral presentations of the research, interactive discussions, group works and assignments as contact teaching.

Additional information

Instruction language: English.

Responsible person

CVM planning officer, Student council and other CVM members.

Study materials

EN: Recommended supplementary material defined typically before the course in web sites of CVM, Faculty of Veterinary Medicine or Faculty of Agriculture and Forestry.

Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching (min)		1 cr
Method 2		2 cr
Participation in teaching (max)		2 cr
Method 3		1 cr
Exam (min)		1 cr
Method 4		2 cr
Exam (max)		2 cr
Method 5		1 cr
Independent study (min)		1 cr
Method 6		2 cr
Independent study (max)		2 cr

CVM-133 CVM autumn seminar 4

CVM-133 CVM autumn seminar 4

CVM-133 CVM autumn seminar 4

Abbreviation: CVM autumn semi

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-2 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Prerequisites

EN: No prior doctoral education is required.

Learning outcomes

EN: Doctoral candidates becomes aware of the progression colleagues research and current processes in CVM doctoral education (CVM and faculties recommendations and obligations), career prospects and networks with other doctoral candidates and supervisors.

Additional information**EN:****Target group**

CVM degree programme is responsible for the course. This course belongs to Scientific content studies module. The course is available to students from other degree programmes.

Timing

Annual meeting for updating current doctoral candidate research and relevant topics.

The course is usually offered in the autumn term every year, most likely in teaching period II.

Contents

One-two days of lectures, discussions, group works and assignments.

1-2 cr. Credits may vary annually.

Assessment practices and criteria

Approximate credits: attendance 0,5-1.0 cr, poster/oral presentation 0.5-1.0 cr.

Completion methods

Lectures, poster and/or oral presentations of the research, interactive discussions, group works and assignments as contact teaching.

Additional information

Instruction language: English.

Responsible person

CVM planning officer, Student council and other CVM members.

Study materials

EN: Recommended supplementary material defined typically before the course in web sites of CVM, Faculty of Veterinary Medicine or Faculty of Agriculture and Forestry.

Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching (min)	-----	1 cr
Method 2		2 cr
Participation in teaching (max)	-----	2 cr
Method 3		1 cr
Exam (min)	-----	1 cr
Method 4		2 cr
Exam (max)	-----	2 cr
Method 5		1 cr
Independent study (min)	-----	1 cr
Method 6		2 cr
Independent study (max)	-----	2 cr

CVM-134 Clinical trials in veterinary medicine

CVM-134 Clinical trials in veterinary medicine

CVM-134 Clinical trials in veterinary medicine

Abbreviation: Clinical trials

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Prerequisites

EN: No prior doctoral education is required.

Learning outcomes

EN: Doctoral candidates will learn the basics and the special aspects of veterinary clinical trials, including legislation and good laboratory practice. Performing trials on animals owned by private persons or institutions are covered.

Additional information

EN:

Target group

CVM degree programme is responsible for the course. This course belongs to Scientific skills education module. The course is available to students from other degree programmes.

Timing

The students benefit most of the course when attending in the early stage of the PhD Research programme.

The course will be offered in the autumn just before or after the CVM Autumn Seminar every second of third year, most likely in the teaching period II.

Contents

Two days lectures, interactive discussions, group works and assignments.

Assessment practices and criteria

Attendance 1.0 cr.

Completion methods

Lectures, discussions, group works and assignments as contact teaching. The student can schedule the entire course or parts of it.

Additional information

Instruction language: Finnish.

Responsible person

CVM planning officer, other CVM members.

Study materials

EN: Recommended supplementary material: web sites of CVM, Faculty of veterinary medicine or Agriculture and Forestry, ELLA National Animal Experiment Board in Finland, Viikki Campus Research Ethics Committee, The Finnish Medicines Agency (Fimea). Exact links will be provided.


Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching		1 cr
Method 2		1 cr
Exam		1 cr
Method 3		1 cr
Independent study		1 cr

CVM-141 Survey design

CVM-141 Survey design

CVM-141 Survey design

Abbreviation: Survey design

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	2 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	 [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Completion method and assessment items	Recurrence	Credits
Method 1		2 cr
Participation in teaching		2 cr
Method 2		2 cr
Exam		2 cr
Method 3		2 cr
Independent study		2 cr

CVM-144 Animal personality

CVM-144 Animal personality

CVM-144 Animal personality

Abbreviation: Animal personal

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Prerequisites

EN: The course is suitable for doctoral candidates with basic understanding of population genetics and evolution biology.

Learning outcomes

EN: Animal personality is growing interdisciplinary scientific field. After the course the student will understand animal personality and methods applied in animal personality research. The student will also know how personality connects to the welfare and other properties of the animal, and what is the evolutionary significance of personality.

Additional information

EN:

Target group

Doctoral students in DSHealth and YEB

Completion methods

Lectures (8 hours), student presentation and preparation for the presentation (8 hours)

Contents

The course is an introduction to animal personality and methods in animal personality research. The course will begin from the definition of animal personality and the methods applied in personality research. The course will also cover the inheritance of animal personality and connection of animal personality with metabolism and other biological factors. Eventually, evolutionary effects of animal personality and the connection of personality to animal welfare will be studied. The course consists mainly of lectures, and after the lecture part the students will have (alone or in small groups) short presentations covering topics in animal personality research.

Assessment practices and criteria

Pass/fail. In order to pass the course the student has to participate in at least 75% of the teaching, prepare and have the presentation and listen to the presentations of other students, and give feedback of those.

Responsible person

Milla Salonen (milla.ahola@helsinki.fi)


Study materials**EN:** Related literature

1. Briffa, M., & Weiss, A. (2010). Animal personality. *Current Biology*, 20(21), R912–R914.
2. Pennisi, E. (2016). The power of personality. *Science*, 352(6286), 644–647.
3. Stamps, J., & Grootuis, T. G. G. (2010). The development of animal personality: Relevance, concepts and perspectives. *Biological Reviews*, 85(2), 301–325.
4. Carere, C., & Maestriperi, D. (Eds.). (2013). *Animal Personalities: Behavior, Physiology, and Evolution*. University of Chicago Press.

Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching		1 cr
Method 2		1 cr
Exam		1 cr
Method 3		1 cr
Independent study		1 cr

CVM-146 Animal ethics workshop**CVM-146** Animal ethics workshop**CVM-146** Animal ethics workshop

Abbreviation: Animal ethics w

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible person	 [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Completion method and assessment items	Recurrence	Credits
Method 1		1 cr
Participation in teaching		1 cr
Method 2		1 cr
Exam		1 cr
Method 3		1 cr
Independent study		1 cr

CVM-148 Modern handling of large experimental animals

CVM-148 Modern handling of large experimental animals

CVM-148 Modern handling of large experimental animals

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-2 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Clinical Veterinary Medicine 100%
Responsible persons	Anna Mykkänen, Responsible teacher ⚠ [information missing], Administrative person
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Agriculture and forestry

Tweet text

EN: The course aims to give new tools for people working with large animals to develop their methods towards a more animal friendly use of experimental animals.

Learning outcomes

EN: The student will learn techniques of animal-friendly large animal handling. The student will learn to recognise signs of fear and pain in large animals and methods to improve animal welfare during experiments.

Additional information

EN: The course includes a mandatory homework task, which includes engaging into discussion and commenting other participants' homework. Participants will be divided into groups and take part in one practical each. You can indicate which animal is of interest to you when you register into the course.

Organisers: Anna Mykkänen, Anna Valros, Laura Hänninen, Eeva Mustonen

Completion method and assessment items	Recurrence	Credits
Method 1		1-2 cr
Participation in teaching	-----	1-2 cr