

Doctoral Programme in Clinical Veterinary Medicine (CVM)

CVM degree structure 2020-2023 (valid 1.8.2020-31.7.2023)

1. Doctoral thesis
2. Scientific content studies (30 ECTS)
3. Transferable skills (10 ECTS)

Note that the curriculum is to large extent choice-based and may contain optional courses and studies not listed here. **Obligatory parts of the curriculum are marked in red.** You can find more information on eg. learning objectives and teaching schedules by searching the course code in [WebOodi](#) or [Courses](#)-site.

Degree structure	Code	Credits ECTS	Obligatory / optional	Instructions
1. Doctoral thesis	CVM-999		Obligatory	
2. Scientific content studies	CVM-998	30	Obligatory	
THESIS COMMITTEE MEETINGS			Obligatory	Min 1 meeting obligatory annually
Thesis committee meeting 1-4	CVM-201 - 204	0	Obligatory	
RESEARCH ETHICS EDUCATION			Obligatory	Min 1 ECTS
Research Ethics for Health Scientists	Health-146/921180	1-2	Alternative	Organized by DSHealth
Online course on research ethics	PHD-401/921181	1	Alternative	Organized by DSHealth
BOOK EXAM				Max 10 ECTS
Book exam 1-2	CVM-105 – CVM-106	1-5	Optional	
INTERNATIONAL SCIENTIFIC ACTIVITIES				
Scientific conference (max 5 conferences)	CVM-107 – CVM-111	1-2	Optional	Max 10 ECTS; 1 ECTS without presentation 2 ECTS with presentation
Scientific publications not included in the thesis (max 2 publications)	CVM-112 – CVM-113	1-2	Optional	2 ECTS significant contribution, 1 ECTS co-authorship
National and international symposium, seminar, course (max 10 courses)	CVM-114 – CVM-123	1-5	Optional	0,5 ECTS/day, collect together to receive whole credits
Research visit (max 5 visits)	CVM-124 – CVM-128		Optional	2 ECTS / week (min 5 days)
SCIENTIFIC CONTENT EDUCATION: THEORETICAL				
CVM autumn seminar	CVM-130 – CVM-133	1-2	Recommended annually	

Eläinlääkkeiden kehityksen ja käytön erityispiirteet/Special characteristics of use and development of veterinary medicines	PROV-207	5	Optional	
Clinical trials in veterinary medicine	CVM-134	1	Optional	
Optional courses and events			Optional	
SCIENTIFIC EDUCATION: METHODOLOGICAL				
Laboratory Animal Sciences	NEU-603 or course organized by LAC Helsinki	2-5	Obligatory/optional	Obligatory for all DS Health students working with lab animals if not completed before
Evidence based treatments in veterinary medicine	ELL-432	3	Optional	Highly recommended
Presentation of scientific topics for the public	CVM-138	1	Optional	1 ECTS/ presentation
STATISTICS AND/OR EPIDEMIOLOGY			Obligatory	Min. 2 ECTS
Optional courses in statistics and/or epidemiology organized by CVM or other instances			Optional	
Introduction of veterinary epidemiology	CVM-136	1-3	Optional	
Statistics: SPSS	CVM-137	2-10	Optional	
Optional courses and events			Optional	
3. Transferable skills				
Nordic Summit for Doctoral Candidates	Health-121	1	Optional	
NorDoc PhD Summit Helsinki	Health-125	1	Optional	
COMMUNICATION AND TEACHING			Optional	Choose a maximum of 10 ECTS
Academic writing and editing	Health-133	2	Optional	
Grant Writing I	Health-134	1	Optional	
Grant Writing II	Health-135	1	Optional	
Principles of Peer Review	Health-136	1	Optional	

Writing Doctoral Research	Health-137	3	Optional	
Conference Presentations	Health-138	2	Optional	
Academic Pitching	Health-139	1	Optional	
Tieteen popularisointi - näin kerron tutkimuksestani	Health-140	1	Optional	
Academic Rhetoric and Argumentation	Health-100	1	Optional	
Create a beautiful and credible scientific poster	Health-129	2	Optional	
Theory of pedagogics (eg. University pedagogics)	Health-102	1-5	Optional	
Teaching in courses	Health-103	1-2	Optional	
Optional courses: Communication and teaching	Health-104	1-5	Optional	
Shut Up & Write – A Weekly Open Workshop for Writers	Health-122	1-3	Optional	
Facing the Final Frontier: Preparing the Doctoral Dissertation Book	Health-124	1	Optional	
Principles of scientific writing	Health-131	2	Optional	
Principles of scientific writing 2 - from proposal to paper	Health-132	2	Optional	
Creative Scientists - Path towards breakthrough ideas	Health-141	3	Optional	
Scientific Writing Boot Camp	Health-142	2	Optional	
MANAGEMENT & ENTREPRENEURSHIP			Optional	Choose a maximum of 10 ECTS
Project management and Leadership	Health-105	2	Optional	
Research Funding	Health-106	1-2	Optional	
Introduction to quality management	Health-107	1-2	Optional	
Company visits	Health-108	1-2	Optional	

Working in a company	Health-109	1-2	Optional	
Student council and doctoral programme/ school activities	Health-110	1-2	Optional	
Optional courses: Management and Entrepreneurship	Health-111	1-5	Optional	
From Idea to Impact	Health-130	2	Optional	
Innovate, Protect, Spin it off and Start it up	Health-126	2	Optional	
PhDs to Business life	Health-143	3	Optional	
CAREER PLANNING AND DEVELOPMENT			Optional	Choose a maximum of 10 ECTS
DSHealth Career Day	Health-112	1	Optional	
Optional courses: Career planning and development	Health-113	1-5	Optional	
PhD Career Course - career planning course for doctoral candidates	PHD-101	2	Optional	
Designing Your Life – Preparing for Life after the PhD	Health-127	2	Optional	
LEGISLATION			Optional	Choose a maximum of 10 ECTS
Laboratory Animal Sciences	NEU-603	2-5	Obligatory/optional	Obligatory for all doctoral candidates working with lab animals (if not completed before)
IPR&Copyrights	Health-144	1-2	Optional	
Biomedical view to patenting	Health-114	1	Optional	
Medical and Bio Law	Health-115	1-2	Optional	
Introduction to Labour Law	Health-116	1-2	Optional	
Optional courses: Legislation	Health-117	1-5	Optional	
BASIC RESEARCH TOOLS AND SKILLS			Optional	Choose a maximum of 10 ECTS
Managing Scientific Information	Health-145	1	Optional	
Open science online course	Health-118	1	Optional	
Philosophy of Biological and Biomedical Sciences	Health-119	3	Optional	

Optional courses: Basic research tools and skills	Health-120	1-5	Optional	
Science Communication and Public Engagement	Health-128	1-5	Optional	
OTHER GENERAL COMPETENCE STUDIES			Optional	Choose a maximum of 10 ECTS
Optional courses	Health-148	1-10	Optional	

Instructions on how to register your studies

Courses at the University of Helsinki:

The teacher of a course or exam will assess the course / exam and send the credits for registration. You can check the responsible person for every course and study unit from WebOodi.

Courses and other studies completed elsewhere:

- Individual study units can be approved the doctoral programme's planning officer (or by your supervisor)
- See also Instructions for Students website <https://guide.student.helsinki.fi/en/article/registration-doctoral-studies> (log in with University of Helsinki user account or choose your doctoral programme from the menu)
- Notify the planner of new completed study units (such as conferences and courses done outside University of Helsinki, articles outside thesis, teaching at courses).
- Include in your message (in the message field!) the following information and send the request to your doctoral programme's service address (cvm-info@helsinki.fi):
 - Your name and study number
 - Name and code of the study unit, number of credits if known
 - Complete name, complete date(s), place and organizer of the course/conference/event
 - Certificate of attendance (usually you get one especially if you ask for it)
 - A screenshot/photo of the abstract book showing your abstract and the conference name
 - Information or link of the article
 - Conference report/responsible teacher's statement/other documentation needed to get the credits. You can check the requirements from WebOodi.
- ALTERNATIVELY, fill out [this form](#) and send it together with the attachments to the doctoral programme's service address
- Your supervisor may also send the information directly to be registered to Viikki-register@helsinki.fi

Registration of study modules when all studies are completed and registered

- Both the Discipline-specific Studies module (30 ECTS) and the General Competence Studies module (10 ECTS) are approved by the responsible teacher appointed to you. Fill in [the attached module registration form](#) and send it to the doctoral programme's planning officer, who will send the form forward for approval and registration
- Both modules must be completed before the preliminary examination of the dissertation is started.