

Doctoral Programme in Clinical Veterinary Medicine (CVM)

CVM degree structure 2020-2023 (valid 1.8.2020-31.7.2023, updated July 2021)

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 [Sisu](#), [Courses](#)-site, or [Instructions for students website](#) (log in with University of Helsinki user account or choose your doctoral programme from the menu).

Degree structure	Code	Credits ECTS	Obligatory / optional	Instructions
1. Doctoral thesis	CVM-999		Obligatory	
2. Scientific content studies	CVM-998	30	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	PROV-207	5	Optional	

development of veterinary medicines				
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				
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	Health-997	10	Obligatory	
Nordic Summit for Doctoral Candidates	Health-121	1	Optional	
NorDoc PhD Summit Helsinki	Health-125	1	Optional	
COMMUNICATION AND TEACHING				
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 (vapaasti valittavia kurseja)	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	PHD-303	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 (vapaasti valittavia kurseja)	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 (vapaasti valittavia kurseja)	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 (vapaasti valittavia kurseja)	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	PHD-301	1	Optional	
Introduction to open data science	PHD-302	1	Optional	

Philosophy of Biological and Biomedical Sciences	Health-119	3	Optional	
Optional courses (vapaasti valittavia kursseja)	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 (vapaasti valittavia kursseja)	Health-148	1-10	Optional	
Optional courses	Health-149 -Health-152	1-2	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 Sisu.

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](#) (log in with University of Helsinki user account or choose your doctoral programme from the menu)
- Notify the planning officer 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 the following information and send the request to your doctoral programme's service address (cvm-info@helsinki.fi):
 - [Prefilled registration form](#) (pdf). Please make sure you fill in at least 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 (in the additional information field)
 - 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 Sisu.
- Your supervisor may also send the information directly to be registered to arviointi@helsinki.fi

Registration of study modules when all studies are completed and registered

- Both the Discipline-specific studies module (30 ECTS) and the Transferable skills module (10 ECTS) must be completed before the preliminary examination of the dissertation is started. The registration of study modules is done in Sisu. Please follow the instructions on [compilation of study modules](#) in the instructions for students website.