

DPDR degree structure 2020-2023

1. Väitöskirja / Doctoral thesis

2. Tieteenalaopinnot / Scientific content studies 30 ECTS

Compulsory courses in the module is: Research ethics (PHD-401) min 1 credit. Other courses in the module must be advanced-level courses which support the dissertation work (Note: not already included in master's degree). The supervising professor will decide which courses are suitable for the module.

3. Yleiset valmiustaidot / Transferable skills 10 ECTS

Transferable skills are organized by Doctoral School in Health Sciences (DSHealth)

Laboratory animal science (NEU-603) is obligatory for all doctoral candidates working with lab animals (if not completed before).

DOCTORAL PROGRAMME IN DRUG RESEARCH	Code	Credits	Obligatory / optional	
1. Doctoral thesis	DPDR-999		Obligatory	

2. Scientific content studies	DPDR-998	30	Obligatory	
Research ethics education				Min.1 ects
Research Ethics for Health Scientists	Health-146	1-2	Optional	
Online course on research ethics	PHD-401	1	Optional	
Book exam				Max 10 ECTS
Book exam 1-2	DPDR-105 - DPDR-106	1-5	Optional	
Scientific activities / conferences and mobility			Other scientific education	Max 10 ECTS
Scientific conference/meeting/symposium 1-3	DPDR-107 – DPDR-109	2	Optional	
Research/study visit 1-2	DPDR-110 – DPDR-111	2	Optional	
Scientific content education			Other scientific education	
FinPharmaNet Annual Meeting 1-4	DPDR-101 – DPDR-104	1	Optional/recommended annually	
Microfluidics and nanotechnology for pharmaceutical applications (MiNaPharma)	PROV-607	5	Optional	
Introduction to spectroscopy	PROV-709	5	Optional	
Stereotaxis in neuropharmacological research	DPDR-120	2-3	Optional	
Reporters in Drug Research	DPDR-302	1-3	Optional	
Pharmacology Journal Club	DPDR-303	1-2	Optional	
Seminars in Drug Research	DPDR-304	1-3	Optional	
Kliininen lääketutkimus	DPDR-140	1-2	Optional	
Nanomedicines for Biomedical Applications	PROV-710	5	Optional	

2. Scientific content studies	DPDR-998	30	Obligatory	
NeuPhar	NEUBM-303	2-5	Optional	
Eläinlääkkeiden kehityksen ja käytön erityispiirteet	PROV-207	5	Optional	
Johdatus nanotieteeseen	PROV-209	5	Optional	
Farmakokinetiikan jatkokurssi I	PROV-302	5	Optional	
Lääkeainekemia	PROV-602	5	Optional	
Advanced immunobiology	PROV-407	5	Optional	
Molekyylibiologian perusteet farmasiassa	PROV-506	5	Optional	
Matlab-ohjelmiston käyttökurssi	PROV-707	5	Optional	
Lääkehoidon kokonaisarviointi ja kliininen farmasia	PROV-801	5	Optional (only for doctoral candidates in social pharmacy)	
Sosiaali- ja kliinisen farmasian tutkimusmenetelmät	PROV-802	10	Optional (only for doctoral candidates in social pharmacy)	
Terveystiedon edistäminen	PROV-803	5	Optional (only for doctoral candidates in social pharmacy)	
Lääkeinformaatio ja lääkeinformaatiopalvelut	PROV-805	5	Optional (only for doctoral candidates in social pharmacy)	
Sosiaali- ja kliinisen farmasian tutkimusseminaarit	PROV-806	5	Optional (only for doctoral candidates in social pharmacy)	
Kliinisen farmasian syventävä opintojakso proviisoriopiskelijoille	PROV-812	5-10	Optional (only for doctoral candidates in social pharmacy)	
Lääketeollisuuden ja lääkejakeletoiminnot sekä päivälääketeollisuudessa	PROV-905	3	Optional	
Lääketeollisuuden liiketalous	PROV-906	3	Optional	
Publications outside the thesis			Other scientific education	
Publication outside the thesis 1-6	DPDR-112 – DPDR-117	1	Optional	Max 6
Discipline-specific studies supporting the dissertation work			Other	
Other elective field-specific studies	DPDR-900	0-29	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	

3. Transferable skills	Health-997	10	Obligatory	
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	Optional	
Optional courses (vapaasti valittavia kursseja)	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 kursseja)	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	

3. Transferable skills	Health-997	10	Obligatory	
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 kursseja)	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 for all 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 kursseja)	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	5	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	