

Filters used for the printout

Curriculum period: 2023-24. Studies included in the printout: Study modules and courses. Languages of the descriptions: All. Language of the printout template: English.

T921109 Doctoral Programme in Human Behaviour

T921109 Ihmisen käyttäytymisen tohtoriohjelma

T921109 Doktorandprogrammet i mänskligt beteende

2023-24

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	40-45 cr
Languages	English, Swedish, Finnish
Grading scale	Pass-Fail
Content approval required	no
Locations	Helsinki
University	University of Helsinki
Responsible organisation	Faculty of Medicine 100%
Responsible persons	Lääketieteellinen tiedekunta, Responsible teacher Katri Wegelius, Administrative person Katri Räikkönen-Talvitie, Responsible teacher
Degree programme type	Doctor's Degree
Degree titles	Doctor of Odontology Doctor of Medical Science Doctor of Philosophy (Psychology) Doctor of Philosophy
Study field	Fields of education (Ministry of Education and Culture), Medical science
Education classification	875201 Doctor of Dental Science 839103 PhD, Psychology 875101 Doctor of Medical Science 836501 PhD (Psychology) 875601 PhD, Medicine

Content description

FI: The Doctoral Programme in Human Behaviour (DPHuB) at the University of Helsinki is aimed at training professional researchers and academic scientists in the broad fields of experimental and clinical psychology, logopedics, and medicine (e.g., psychiatry, neurology, pediatrics, public health, clinical neurosciences).

Our key research areas are

- studying adaptive and maladaptive human behavior
- action
- perception
- cognition
- emotion
- social interaction
- development
- aging and individual differences

as well as neurocognitive, psychosocial, environmental, physiological, biological and molecular principles of human behavior, health consequences of human behavior, human behavior change, intervention, pre-

vention, and rehabilitation using various study designs ranging from experiments to population-based studies and clinical interventions.

Doctoral candidates enrolled in the DPHuB participate in a structured training environment encompassing basic and advanced courses in human behavior research, as well as an extensive transferable skills curriculum provided by the University of Helsinki Doctoral School. In addition to transferable skills curriculum, DPHuB operates in synergy with the other doctoral programmes of DSHealth.

DPHuB supports experimental work and integration of clinical work with professional researcher training by facilitating synergy and collaboration with the specialist programmes in Clinical Neuropsychology and Clinical Mental Health Psychology hosted by the University of Helsinki, and with the other specialist programmes in psychology (Psychotherapy, Developmental psychology, Health psychology and Occupational psychology) that lie in the collaborative Finnish national network of psychology, PsykoNet. It also facilitates synergy and collaboration between the Medical Faculty at the University of Helsinki and HUS, the key partner of the Medical Faculty in the implementation of its values and strategic goals.

The goal of the DPHuB is to achieve the doctoral degree (Doctor of Psychology, Doctor of Philosophy, or Doctor of Medical Science) from the Faculty of Medicine at the University of Helsinki within a four-year net time period. The progress of the doctoral candidate is supported by the officially appointed supervisor, a carefully selected thesis committee, and the doctoral programme.

Career

A doctoral degree opens doors to a variety of career possibilities. Apart from an academic career in national and international universities and research institutes, opportunities are available also in the public and private health care, for instance in primary and specialized medical care in HUS and elsewhere. Other opportunities span from scientific expert positions in ministries, research and governmental agencies, research institutes and advocacy organizations to jobs in private, spin-off and startup companies.

International mobility

Students and teachers of the DPHuB form a network that is highly international. Events are held and facilitated where doctoral candidates can network with top-level international scientists, who are visiting Finland. International mobility and networking is also encouraged and supported in the form of research/study visits, and participation in courses, conferences and meetings online and abroad where the doctoral candidates can discuss their research with experts in their field.

Networks

DPHuB is part of PsykoNet, the Finnish national university network of psychology, LOGONET, the Finnish national university network of logopedics, and DOPSY, the national doctoral training network in psychology. This provides further opportunities for networking in doctoral training events with other partner universities. In addition, DSHealth is part of the NorDoc network (Nordic Doctoral Training in Health Sciences).

Structure of degree (40 ECTS)

- Doctoral thesis project
- Discipline-specific training (30 ECTS)
- Transferable skills training (10 ECTS)

Take at least 30 ECTS of discipline-specific courses including at least one ECTS of research ethics. Take at least 10 ECTS of transferable skills courses. You can include up to 45 ECTS in your doctoral degree. The doctoral programme is responsible for organizing discipline-specific training. The University of Helsinki Doctoral School is responsible for organizing the transferrable skills courses and research ethics courses.

Obligatory course

Research ethics course (at least one ECTS) is obligatory for all doctoral candidates. Research ethics courses belong to the discipline specific study module.

The following courses have an upper limit for ECTS

- Scientific seminars and activities up to 15 ECTS
- Book exams up to 10 ECTS

- Journal Club up to 2 ECTS
- Scientific seminars, conferences, symposia, up to 8 ECTS
- Scientific publications not included in thesis, up to 6 ECTS
- Research visits, up to 6 ECTS
- Doctoral candidates pursuing specialist degrees in psychology, logopedics and medicine can include up to 15 ECTS of theoretical training of specialist training in a Doctoral degree.
- General language courses (other than transferable skills courses organized by the Doctoral Schools) can be included up to 2 ECTS if the language in question is needed for a doctoral candidate's PhD project or working life.
- Either Leadership training or university pedagogy can be included up to 5 ECTS. Both of them are optional courses.

Doctoral candidates are allowed to take courses organized by the other doctoral programmes, schools and other Universities.

Personal study plan and annual follow-up

A personal study plan is completed in Sisu and THESSA at the beginning of the PhD studies. The main supervisor accepts the study plan in THESSA.

An annual follow-up reporting is completed in THESSA.

Approving studies

- Courses completed outside the University of Helsinki included the study modules are approved by your supervisor.
- Discipline-specific study modules 30 ECTS and transferable skills study modules 10 ECTS are approved by the coordinating academic (also called responsible professor).
- Study modules can have the maximum of 45 ECTS registered in total.
- Study credits attained more than 10 years old are not approved in the degree.
- Attainments without defined amounts of credits can be transferred into credits, with 27 hours of work being one ECTS.

Learning outcomes

FI: The objective of the doctoral studies is to provide the doctoral candidates with

- A profound familiarity with their field and its social significance
- An in-depth understanding of the field's nature, key theories, concepts and research methods, the relation between theory and practice, and the practical applicability of the knowledge attained, as well as the ability to contribute to scientific knowledge
- Sufficient skills in communication, argumentation and problem-solving, as well as other qualifications for demanding and multidisciplinary research and expert positions in Finland and abroad

DEGREE STRUCTURE

Part of the degree	Credits
DOCTORAL PROGRAMME IN HUMAN BEHAVIOUR	40-45 cr
HUB-999 Doctoral thesis	0 cr
HUB-998 DISCIPLINE-SPECIFIC STUDIES	min 30 cr
RESEARCH ETHICS (grouping module)	
PHD-401 Research Ethics	1-2 cr
DISCIPLINE-SPECIFIC ELECTIVE STUDIES (grouping module)	
HUB-011 Book exam 1: Cognitive neuroscience	5-10 cr
HUB-012 Book exam 2: Developmental neuropsychology	10 cr
HUB-013 Book exam 3: Multilingualism and multiculturalism	5-10 cr
HUB-014 Book exam 4	1-10 cr

HUB-111 Clinical and cognitive human brain research	5 cr
HUB-112 Representational similarity analysis of brain imaging data	5 cr
HUB-113 Introduction to Bayesian hypothesis testing for behavioral research	1-2 cr
HUB-114 Functioning of sensory systems: Visual neuroscience	5 cr
HUB-115 Research methods and current topics in speech-language pathology	5 cr
HUB-119 Power calculations	1 cr
HUB-120 How to conduct systematic reviews and evaluate quality of evidence?	5 cr
HUB-121 MEG/EEG source modelling: from principles to practice	2 cr
DOCPop-119 Time-to-event data-analysis	4 cr
DOCPop-136 Health in context: a course in multilevel modelling for public health and health services research	3 cr
PSYM-554 eHealth: Theory and Practice	5 cr
NEUBM-301 Biological psychiatry 1	1-2 cr
SCIENTIFIC ACTIVITIES (grouping module)	
HUB-116 Behavioral life sciences	1-2 cr
HUB-201 Psychology Science Day	2 cr
HUB-204 HuBLu (DPHuB Lunch seminar)	1 cr
HUB-205 DOPSY symposium	1-2 cr
HUB-207 Journal Club	1-2 cr
HUB-210 Statistical research methods seminar	1-2 cr
HUB-230 Research seminar in logopedics	3-5 cr
HUB-300 Scientific seminars, conferences, symposia	2-8 cr
HUB-301 Scientific seminars, conferences, symposia	2 cr
HUB-305 Scientific publications not included in the thesis	1-6 cr
HUB-308 Research visits	2-6 cr
PHD-997 GENERAL COMPETENCE STUDIES	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-202 Academic Writing and Editing	2 cr
PHD-203 Conference presentation	2 cr
HEALTH-124 Facing the Final Frontier: Preparing the Doctoral Dissertation Book for Health Scientists	1 cr
PHD-205 Grant Writing I	1 cr
PHD-206 Grant Writing II	2 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 Health Scientists	3 cr
TIVI-Y911 Tiedeviestintä: Asiantuntijana digitaalisessa mediassa	5 cr
TIVI-Y912 Scientific journalism	5 cr
TIVI-Y913 Tiedeviestintä Tieteen popularisointi	5 cr
PHD-213 Tutkijan verkkokirjoittaminen	3 cr
PHD-214 Väittelijän vuorovaikutusosaaminen	2 cr
PHD-215 Writing Doctoral Research for Health Scientists	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
WORKING LIFE SKILLS (grouping module)	
HEALTH-114 Biomedical view to patenting	2 cr
PED511 UP1 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 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 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	2 cr
PHD-503 Leading a creative expert organisation	1-5 cr
HEALTH-111 Optional courses: Management and Entrepreneurship	1-5 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
OTHER GENERAL COMPETENCE STUDIES (grouping module)	

FILTERED STUDY MODULES

HUB-998 Discipline-specific studies

HUB-998 Tieteenalaopinnot

HUB-998 Studier inom vetenskapsområdet

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	min 30 cr
Languages	English, Finnish, Swedish
Graded module	yes
Grading scale	Pass-Fail
Content approval required	no
University	University of Helsinki
Responsible organisation	Doctoral Programme in Human Behaviour 100%
Responsible persons	Katri Wegelius, Administrative person Katri Räikkönen-Talvitie, Responsible teacher
Study module level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Medical science

Learning outcomes

FI: Tieteenalaopintojen kokonaisuuden suoritettuaan tohtorikoulutettava:

- on perehtynyt syvästi omaan tutkimusalaansa ja sen yhteiskunnalliseen merkitykseen
- on perehtynyt hyvin oman alansa kehitykseen, perusongelmiin ja tutkimusmenetelmiin
- on saavuttanut sellaisen yleisen tieteenalan ja tutkimusalaansa liittyvien muiden tieteenalojen tuntemuksen, joka mahdollistaa niiden kehityksen seuraamisen
- osaa tutkimustyössään toimia eettisesti vastuullisesti ja hyvän tieteellisen käytännön mukaisesti
- kykenee osallistumaan sekä oman alansa että monitieteiseen tieteelliseen keskusteluun kirjallisesti ja suullisesti
- on verkostoitunut muiden oman alansa tutkijoiden kanssa kansallisesti ja kansainvälisesti

SV: The objective of the substance specific study module is to provide the doctoral candidates with

- A profound familiarity with their field and its social significance
- An in-depth understanding of the field's nature, key theories, concepts and research methods, the relation between theory and practice, and the practical applicability of the knowledge attained, as well as the ability to contribute to scientific knowledge
- Sufficient skills in communication, argumentation and problem-solving, as well as other qualifications for demanding and multidisciplinary research and expert positions in Finland and abroad

EN: The objective of the substance specific study module is to provide the doctoral candidates with

- A profound familiarity with their field and its social significance
- An in-depth understanding of the field's nature, key theories, concepts and research methods, the relation between theory and practice, and the practical applicability of the knowledge attained, as well as the ability to contribute to scientific knowledge

- Sufficient skills in communication, argumentation and problem-solving, as well as other qualifications for demanding and multidisciplinary research and expert positions in Finland and abroad

Study module structure**Credits**

Study module structure	Credits
HUB-998 DISCIPLINE-SPECIFIC STUDIES -----	min 30 cr
RESEARCH ETHICS (grouping module)	
PHD-401 Research Ethics	1-2 cr
DISCIPLINE-SPECIFIC ELECTIVE STUDIES (grouping module)	
HUB-011 Book exam 1: Cognitive neuroscience	5-10 cr
HUB-012 Book exam 2: Developmental neuropsychology	10 cr
HUB-013 Book exam 3: Multilingualism and multiculturalism	5-10 cr
HUB-014 Book exam 4	1-10 cr
HUB-111 Clinical and cognitive human brain research	5 cr
HUB-112 Representational similarity analysis of brain imaging data	5 cr
HUB-113 Introduction to Bayesian hypothesis testing for behavioral research	1-2 cr
HUB-114 Functioning of sensory systems: Visual neuroscience	5 cr
HUB-115 Research methods and current topics in speech-language pathology	5 cr
HUB-119 Power calculations	1 cr
HUB-120 How to conduct systematic reviews and evaluate quality of evidence?	5 cr
HUB-121 MEG/EEG source modelling: from principles to practice	2 cr
DOCPOP-119 Time-to-event data-analysis	4 cr
DOCPOP-136 Health in context: a course in multilevel modelling for public health and health services research	3 cr
PSYM-554 eHealth: Theory and Practice	5 cr
NEUBM-301 Biological psychiatry 1	1-2 cr
SCIENTIFIC ACTIVITIES (grouping module)	
HUB-116 Behavioral life sciences	1-2 cr
HUB-201 Psychology Science Day	2 cr
HUB-204 HuBLu (DPHuB Lunch seminar)	1 cr
HUB-205 DOPSY symposium	1-2 cr
HUB-207 Journal Club	1-2 cr
HUB-210 Statistical research methods seminar	1-2 cr
HUB-230 Research seminar in logopedics	3-5 cr
HUB-300 Scientific seminars, conferences, symposia	2-8 cr
HUB-301 Scientific seminars, conferences, symposia	2 cr
HUB-305 Scientific publications not included in the thesis	1-6 cr
HUB-308 Research visits	2-6 cr

PHD-997 General competence studies**PHD-997** Yleiset valmiustaidot**PHD-997** Överförbara färdigheter

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	10 cr
Languages	English, Finnish, Swedish
Graded module	yes

Grading scale	Pass-Fail
Content approval required	no
University	University of Helsinki
Responsible organisation	University of Helsinki Doctoral School 100%
Responsible person	⚠ [information missing], Responsible teacher
Study module level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Education Fields of education (Ministry of Education and Culture), Business, administration and law Fields of education (Ministry of Education and Culture), Natural sciences Fields of education (Ministry of Education and Culture), Humanities Fields of education (Ministry of Education and Culture), Social sciences Fields of education (Ministry of Education and Culture), Agriculture and forestry Fields of education (Ministry of Education and Culture), Information and Communication Technologies (ICTs) Fields of education (Ministry of Education and Culture), Medical science

Learning outcomes

FI: Opintokokonaisuuden suoritettuaan tohtorikoulutettava:

- tunnistaa oman asiantuntijuutensa ja ymmärtää, miten se on sovellettavissa ja hyödynnettävissä työelämässä yliopistossa ja sen ulkopuolella
- omaa laajoissa ja vaativissa asiantuntija- ja kehitystehtävissä sekä kansainvälisessä yhteistyössä vaadittavan viestintä- ja kielitaidon
- omaa edellä mainittujen ja omien tulevaisuuden tavoitteidensa mukaisten tehtävien edellyttämiä muita taitoja kuten projektinhallintataidot, pedagogiset taidot, asioiden ja ihmisten johtaminen, neuvottelutaidot, hallinnolliset taidot, oman yrityksen perustamisen edellyttämät tiedot ja taidot.

SV: Efter att ha avlagt studiehelheten ska doktoranden:

- kunna identifiera sin egen expertis och förstå hur den kan tillämpas och utnyttjas i arbetslivet inom och utanför universitetet
- ha de kommunikations- och språkkunskaper som krävs för omfattande och krävande expert- och utvecklingsuppgifter och för internationellt samarbete
- ha övriga färdigheter som krävs för ovanstående uppgifter och för att kunna förverkliga sina framtida mål, t.ex. färdigheter i projektledning, pedagogiska färdigheter, ledarskapsfärdigheter, förhandlingsfärdigheter, administrativa färdigheter, kunskaper och färdigheter som krävs för att starta ett eget företag.

EN: After completing the module the student:

- Identifies his/hers expertise and understand how it is applicable and exploitable in working life at and outside the university
- Has skills needed in extensive and demanding expertise and development tasks, as well as international communication and language skills
- has the other skills required by the aforementioned tasks in accordance with their own future objectives, such as project management skills, pedagogical skills, management of things and people, negotiation skills, administrative skills, knowledge and skills required to set up a company.

Additional information

FI: Kohderyhmä

Pakollinen opintokokonaisuus.

Ajoitus

Suoritetaan yhtäaikaaisesti väitöskirjatyön kanssa. Yleisten valmiustaitojen opintokokonaisuus tulee olla suoritettuna ennen väitöskirjan esitarkastukseen jättämistä.

Opintokokonaisuudesta järjestetään opintoja lukukausittain, ks. tarkemmat tiedot opintojaksojen kohdalta.

Arviointimenetelmät ja -kriteerit

Suoritettu opintokokonaisuus arvostellaan arvosanalla "hyväksytty".

SV: Målgrupp

Obligatorisk studiehelhet

Timing

Avläggs parallellt med doktorsavhandlingen. Helheten måste vara avlagd och registrerad innan avhandling-
en lämnas in för förhandsgranskning.

Undervisning ordnas varje termin. Se noggrannare information under studieavsnittens information.

Bedömningsmetoder och kriterier

Studiehelheten bedöms med vitsordet "godkänd".

EN: Target group

Compulsory module.

Timing

To be completed simultaneously with the dissertation work. The general competence studies module has
to be completed before leaving the dissertation to preliminary examination.

Assessment practices and criteria

Grading: Pass.

Study module structure

Credits

Study module structure	Credits
PHD-997 GENERAL COMPETENCE STUDIES	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-202 Academic Writing and Editing	2 cr
PHD-203 Conference presentation	2 cr
HEALTH-124 Facing the Final Frontier: Preparing the Doctoral Dissertation Book for Health Scientists	1 cr
PHD-205 Grant Writing I	1 cr
PHD-206 Grant Writing II	2 cr
PHD-207 Kirjoittamiskäytännöt: Luovuutta ja ideoita väitöskirjan kirjoitusprosessi- in	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 Health Scientists	3 cr
TIVI-Y911 Tiedeviestintä: Asiantuntijana digitaalisessa mediassa	5 cr
TIVI-Y912 Scientific journalism	5 cr
TIVI-Y913 Tiedeviestintä Tieteen popularisointi	5 cr
PHD-213 Tutkijan verkkokirjoittaminen	3 cr
PHD-214 Väittelijän vuorovaikutusosaaminen	2 cr
PHD-215 Writing Doctoral Research for Health Scientists	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
WORKING LIFE SKILLS (grouping module)	
HEALTH-114 Biomedical view to patenting	2 cr
PED511 UP1 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 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 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	2 cr
PHD-503 Leading a creative expert organisation	1-5 cr
HEALTH-111 Optional courses: Management and Entrepreneurship	1-5 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

OTHER GENERAL COMPETENCE STUDIES (grouping module)

FILTERED COURSES

HUB-999 Doctoral thesis

HUB-999 Väitöskirja

HUB-999 Doktorsavhandling

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	0 cr
Languages	English, Finnish, Swedish
Grading scale	Fail-Pass-Pass with Distinction
University	University of Helsinki
Responsible organisation	Doctoral Programme in Human Behaviour 100%
Responsible person	 [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Medical science

PHD-401 Research Ethics

PHD-401 Tutkimusetiikka

PHD-401 Forskningsetik

Abbreviation: Tutkimusetiikka

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	1 Aug 2023-31 Jul 2026
Credits	1-2 cr
Languages	Finnish, English
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	University of Helsinki Doctoral School 100%
Responsible person	Simo Kyllönen, Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Humanities

Prerequisites

FI:

Suosittelut esitiedot

Tämän opintojakson lisäksi teologian tohtoriohjelman opiskelijan tulee suorittaa riittävä määrä muita tieteenalaopintoihin kuuluvia opintojaksoja.

SV:**Suosittelut esitiedot**

Tämän opintojakson lisäksi teologian tohtoriohjelman opiskelijan tulee suorittaa riittävä määrä muita tieteenalaopintoihin kuuluvia opintojaksoja.

EN:**Suosittelut esitiedot**

Tämän opintojakson lisäksi teologian tohtoriohjelman opiskelijan tulee suorittaa riittävä määrä muita tieteenalaopintoihin kuuluvia opintojaksoja.

Equivalences to other studies

920201 Research Ethics

or

921181 Research Ethics, online course

or

HKP-912 Research Ethics: Basics

or

DONAS-401 Research Ethics

or

YEB-114 Research ethics in Biosciences

or

YEB-117 Research ethics in Biosciences (online course)

or

921180 Research Ethics for Health Scientists

or

922502 Research Ethics

or

399674 Research ethics for health scientists

Equivalences (free text field)**SV:**

PHD-401

Research Ethics

EN:

PHD-401

Forskningsetik

Learning outcomes

FI: Opintojakson suoritettuaan opiskelija on kehittänyt taitojaan seuraavilla osa-alueilla:

- tunnistaa ja analysoida keskeisimpiä tutkimuseettisiä kysymyksiä
- osaa ottaa huomioon tutkimussuunnitelmien esiin nostamia eettisiä kysymyksiä ja haasteita ja vastata niihin

- tunnistaa ja ymmärtää tutkimusta ohjaavia keskeisiä eettisiä periaatteista ja niiden soveltamista tutkimuksen tekemiseen
- ymmärtää hyvän tieteellisen käytännön periaatteet ja sen loukkauksien käsittelyprosessin, sekä tutkimusluvan hakemisen ja tutkimuksen eettisen ennakkoarvioinnin menettelyt.
- tunnistaa tutkijan vastuut ja oikeudet
- ymmärtää eettisten päätösten ja valintojen vaikutukset yhteiskuntaan ja tutkimusyhteisöön.

SV: Opintojakson suoritettuaan opiskelija on kehittänyt taitojaan seuraavilla osa-alueilla:

- tunnistaa ja analysoida keskeisimpiä tutkimuseettisiä kysymyksiä
- osaa ottaa huomioon tutkimussuunnitelmien esiin nostamia eettisiä kysymyksiä ja haasteita ja vastata niihin
- tunnistaa ja ymmärtää tutkimusta ohjaavia keskeisiä eettisiä periaatteista ja niiden soveltamista tutkimuksen tekemiseen
- ymmärtää hyvän tieteellisen käytännön periaatteet ja sen loukkauksien käsittelyprosessin, sekä tutkimusluvan hakemisen ja tutkimuksen eettisen ennakkoarvioinnin menettelyt.
- tunnistaa tutkijan vastuut ja oikeudet
- ymmärtää eettisten päätösten ja valintojen vaikutukset yhteiskuntaan ja tutkimusyhteisöön.

EN: Opintojakson suoritettuaan opiskelija on kehittänyt taitojaan seuraavilla osa-alueilla:

- tunnistaa ja analysoida keskeisimpiä tutkimuseettisiä kysymyksiä
- osaa ottaa huomioon tutkimussuunnitelmien esiin nostamia eettisiä kysymyksiä ja haasteita ja vastata niihin
- tunnistaa ja ymmärtää tutkimusta ohjaavia keskeisiä eettisiä periaatteista ja niiden soveltamista tutkimuksen tekemiseen
- ymmärtää hyvän tieteellisen käytännön periaatteet ja sen loukkauksien käsittelyprosessin, sekä tutkimusluvan hakemisen ja tutkimuksen eettisen ennakkoarvioinnin menettelyt.
- tunnistaa tutkijan vastuut ja oikeudet
- ymmärtää eettisten päätösten ja valintojen vaikutukset yhteiskuntaan ja tutkimusyhteisöön.

Content

FI: Opintojaksossa käsitellään tutkimuseetiikkaan liittyviä kysymyksiä erityisesti humanistis-yhteiskuntatieteellisillä aloilla. Kurssimuotoisen opetuksen kautta hankittua osaamista on mahdollista täydentää kirjallisuudella tai esseellä.

SV: Opintojaksossa käsitellään tutkimuseetiikkaan liittyviä kysymyksiä erityisesti humanistis-yhteiskuntatieteellisillä aloilla. Kurssimuotoisen opetuksen kautta hankittua osaamista on mahdollista täydentää kirjallisuudella tai esseellä.

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Additional information

FI:

Suoritustavat (yleinen kuvaus)

Verkkokurssi (1 op), verkkokurssi ja lähiopetus (2 op) tai muu ohjaajan kanssa sovittava suoritustapa (kirjallisuudella, essee).

Arviointimenetelmät ja -kriteerit

Jatko-opintojen opintojaksot arvioidaan pääsääntöisesti kaksipuolaisella asteikolla hylätty - hyväksytty. Kurssimuotoisen opetuksen osalta arvosteluasteikko ilmoitetaan erikseen.

Oppimista tukevat aktiviteetit ja menetelmät

Opintojaksolla käytetään opiskelumenetelmiä, jotka edesauttavat itsenäisen ja kriittisen tutkijanotteen rakentumista ja oman tutkimusalan syvempää ymmärrystä.

Järjestämisajankohta/-kohdat

Kurssia toteutetaan syys- ja kevätlukukausilla

Suosittelava suoritusajankohta

Opintojen alussa

Opintokokonaisuudet

Tieteenalaopinnot

Opetuskielet

suomi

svenska

English

EQF-taso

tohtorin tutkinto / EQF-taso 8

SV:**Suoritustavat (yleinen kuvaus)**

Verkkokurssi (1 op), verkkokurssi ja lähiopetus (2 op) tai muu ohjaajan kanssa sovittava suoritustapa (kirjaintentti, essee).

Arviointimenetelmät ja -kriteerit

Jatko-opintojen opintojaksot arvioidaan pääsääntöisesti kaksiporaisella asteikolla hylätty - hyväksytty. Kurssimuotoisen opetuksen osalta arvosteluasteikko ilmoitetaan erikseen.

Oppimista tukevat aktiviteetit ja menetelmät

Opintojaksolla käytetään opiskelumenetelmiä, jotka edesauttavat itsenäisen ja kriittisen tutkijanotteen rakentumista ja oman tutkimusalan syvempää ymmärrystä.

Järjestämisajankohta/-kohdat

Kurssia toteutetaan syys- ja kevätlukukausilla

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Verkkokurssi (1 op), verkkokurssi ja lähiopetus (2 op) tai muu ohjaajan kanssa sovittava suoritustapa (kirjaintentti, essee).

Arviointimenetelmät ja -kriteerit

Jatko-opintojen opintojaksot arvioidaan pääsääntöisesti kaksiportaisella asteikolla hylätty - hyväksytty. Kurssimuotoisen opetuksen osalta arvosteluasteikko ilmoitetaan erikseen.

Oppimista tukevat aktiviteetit ja menetelmät

Opintojaksolla käytetään opiskelumenetelmiä, jotka edesauttavat itsenäisen ja kriittisen tutkijanotteen rakentumista ja oman tutkimusalan syvempää ymmärrystä.

Järjestämisajankohta/-kohdat

Kurssia toteutetaan syys- ja kevätlukukausilla

Suosittelava suoritusajankohta

Opintojen alussa

Opintokokonaisuudet

Tieteenalaopinnot

Opetuskielet

suomi

svenska

English

EQF-taso

tohtorin tutkinto / EQF-taso 8

Study materials

FI: Kurssimuotoisen opetuksen osalta ilmoitetaan tarvittaessa erikseen suoritettava kirjallisuus. Mikäli opintojakso suoritetaan muulla tavoin, kirjallisuudesta ja aineistosta sovitaan väitöskirjatyön ohjaajan kanssa.

SV: Kurssimuotoisen opetuksen osalta ilmoitetaan tarvittaessa erikseen suoritettava kirjallisuus. Mikäli opintojakso suoritetaan muulla tavoin, kirjallisuudesta ja aineistosta sovitaan väitöskirjatyön ohjaajan kanssa.

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

HUB-011 Book exam 1: Cognitive neuroscience

HUB-011 Book exam 1: Cognitive neuroscience

HUB-011 Book exam 1: Cognitive neuroscience

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	5-10 cr
Languages	English, Finnish, Swedish
Grading scale	Pass-Fail

University	University of Helsinki
Responsible organisation	Doctoral Programme in Human Behaviour 100%
Responsible persons	Kimmo Alho, Responsible teacher Teppo Särkämö, Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Medical science

Learning outcomes

FI: Studying for this book examination gives the student an up-to-date big picture of research findings and theories in cognitive neuroscience.

Content

FI: The 10 ECTS exam covers the entire book and the 5 ECTS exam covers Parts VII–XIII (chapters 48–97) of the book. Parts I–VI contain up-to-date advanced knowledge on brain development and brain mechanisms of perception, memory, attention, intention, action, as well as topics in computational cognitive neuroscience. Parts VII–XIII contain advanced knowledge on reward, decision-making, linguistic, and conceptualization systems of the brain, as well as chapters on methodological advances in cognitive neuroscience, social neuroscience, and the role of neuroscience in the society.

Additional information

FI: The three-hour exam with four selected essay questions will be organized in Examinarium, the electronic examination room system, where students can take exams at times suitable for them.

Passing requires an acceptable answer to each question. An acceptable answer needs to indicate that the student has studied the book examined here and that they can combine information from different chapters of the book when appropriate.

Study materials

FI: The book to be studied for this exam is Poeppel, Mangun & Gazzaniga (eds.), *The Cognitive Neurosciences*, 6th ed., MIT press, 2020. An electronic copy is accessible from University of Helsinki IP addresses at <http://cognet.mit.edu/erefs/cognitive-neurosciences-6th-edition>

Literature

<http://cognet.mit.edu/erefs/cognitive-neurosciences-6th-edition>

Completion method and assessment items	Recurrence	Credits
Method 1		5 cr
Exam		5 cr
Method 2		10 cr
Exam		10 cr

HUB-012 Book exam 2: Developmental neuropsychology

HUB-012 Book exam 2: Developmental neuropsychology

HUB-012 Book exam 2: Developmental neuropsychology

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	10 cr
Languages	English, Finnish, Swedish
Grading scale	General scale, 0-5
University	University of Helsinki

Responsible organisation	Doctoral Programme in Human Behaviour 100%
Responsible persons	Teija Kujala, Responsible teacher Katri Wegelius, Administrative person
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Medical science

Learning outcomes

FI: Studying for this book examination gives the student an up-to-date big picture of research findings and theories in the most central neurodevelopmental disorders.

Content

FI: The books to be studied for this exam are Pennington et al. Diagnosing Learning Disorders, from science to practice (2018, 3rd ed.), Anderson et al., Developmental Neuropsychology, a clinical approach (2019, 2nd ed.), Simon Baron-Cohen: Autism and Asperger Syndrome - the facts (2008).

Additional information

FI: Passing requires an acceptable answer to each question. An acceptable answer needs to indicate that the student has studied the books examined here and that they can combine information from different chapters of the book when appropriate.

Completion method and assessment items	Recurrence	Credits
Method 1		10 cr
Exam		10 cr

HUB-013 Book exam 3: Multilingualism and multiculturalism

HUB-013 Book exam 3: Multilingualism and multiculturalism

HUB-013 Book exam 3: Multilingualism and multiculturalism

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	5-10 cr
Languages	English
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Human Behaviour 100%
Responsible persons	Minna Laakso, Responsible teacher Katri Wegelius, Administrative person
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Medical science

Learning outcomes

FI: Studying for this book examination gives the student an up-to-date big picture of research findings and theories in multilingualism and -culturalism.

Content

FI: The books to be studied for this exam are Bhatia, T.K & Ritchie (2013), The Handbook of Bilingualism and Multilingualism and Kohnert, K. (2013) Language Disorders in Bilingual Children and Adults. The 10 ECTS exam covers the entire books and the 5 ECTS exam covers Bhatia & Ritchie Parts II–III (chapters 3-27), i.e.,

neurological, psychological and societal aspects of multilingualism and -culturalism, and Kohnert Sections II-III (chapters 4-11).

Additional information

FI: Target group: Doctoral students in logopedics and related disciplines.

Timing: Exam will be available every second year in period 4.

Completion methods: The three-hour exam with four randomly selected essay questions will be organized in Examinarium, the electronic examination room system, where students can take exams at times suitable for them.

Assessment practices and criteria: Pass or fail. Passing requires an acceptable answer to each question. An acceptable answer needs to indicate that the student has studied the book examined here and that they can combine information from different chapters of the book when appropriate.

Completion method and assessment items	Recurrence	Credits
Method 1		5-10 cr
Exam		5-10 cr

HUB-014 Book exam 4

HUB-014 Book exam 4

HUB-014 Book exam 4

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-10 cr
Languages	English, Finnish, Swedish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Human Behaviour 100%
Responsible persons	⚠ [information missing], Responsible teacher Katri Wegelius, Contact-info
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Medical science

Learning outcomes

FI: Book examinations help doctoral students develop their expertise and theoretical knowledge of their research field. Examinations can be an efficient way to familiarize students with their field, especially in the beginning of studies, thus establishing a framework for later research.

Content

FI: Depends on the course in question, supports a doctoral candidate's PhD project in research. Study materials and literature: The examination literature will be agreed upon on a case-to-case basis together with the examiner.

Additional information

FI: Target group: DPHuB doctoral students

Timing: The course can be completed at any stage of studies

Completion methods: Examination

Assessment practices and criteria:

- Pass, fail
- You can earn 1 ECTS per 100 pages. The maximum is 10 ECTS per 1000 pages.
- You can take the maximum of two exams.
- The maximum number of credits for Book exams is 10 ECTS.

Other information: A doctoral candidate is expected to find an examiner independently. The examiner is principally the person in charge of the discipline or supervisor or some other specialist in the field.

After the examination, the examiner sends the following information to dphub-office@helsinki.fi

- Course code
- Doctoral candidate's name and UH student number
- Number of ECTS: (1-10 ECTS)
- Assessment: Pass/fail
- Date of the examination
- Language of the examination
- Examiner's name
- The examination material

No registration for the course.

Responsible person: Supervisor, coordinating academic or another specialist in the field.

Completion method and assessment items	Recurrence	Credits
Method 1		1-10 cr
Exam		1-10 cr

HUB-111 Clinical and cognitive human brain research

HUB-111 Clinical and cognitive human brain research

HUB-111 Clinical and cognitive human brain research

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	5 cr
Languages	English
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Human Behaviour 100%
Responsible persons	Teppo Särkämö, Responsible teacher Juha Salmitaival, Responsible teacher Aleksi Sihvonen, Responsible teacher Katri Wegelius, Administrative person
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Medical science

Learning outcomes

FI: In this course, participants will acquire theoretical knowledge on the neural mechanisms of cognitive and emotional deficits associated with common neurodevelopmental, psychiatric and neurological/neurodegenerative disorders across the life span as well as methodological knowledge on modern behavioral and neuroimaging tools used in clinical and cognitive neuroscience research.

Content

FI: This course gives an overview of the current state-of-the-art in clinical and cognitive neuroscience, both from a theoretical and methodological standpoint. Through thematic expert lectures, participants will learn about recent advances in uncovering the structural and functional neural mechanisms of cognitive and emotional deficits in neurodevelopmental (e.g., autism, attention deficits, dyslexia), psychiatric (e.g., schizophrenia) and neurological / neurodegenerative (e.g. stroke, Alzheimer's disease, Parkinson's disease) disorders. The lectures will also feature methodological parts focusing on the practical implementation of advanced behavioral and neuroimaging analysis tools commonly used in cognitive neuroscience research in clinical populations, including e.g., lesion mapping, morphometry, tractography, and connectivity. The course is aimed at advanced master's students and doctoral students interested in clinical cognitive neuroscience; no previous research experience in the area is required, but basic knowledge on cognitive neuroscience and clinical disorders is recommended.

Additional information

FI: Timing: The course can be completed at the end of master's studies or at any stage of doctoral studies. The course is organized every two years.

Completion methods: Lecture series (hybrid) with expert/guest speakers, attendance required. Course assignment: writing a scientific essay on self-selected lecture topic.

Activities and teaching methods in support of learning: lectures and course assignment.

Assessment practices and criteria: Pass or fail. Attendance and finishing the assignment are required to earn credits.

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

HUB-112 Representational similarity analysis of brain imaging data

HUB-112 Representational similarity analysis of brain imaging data

HUB-112 Representational similarity analysis of brain imaging data

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	5 cr
Languages	English
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Human Behaviour 100%
Responsible persons	Viljami Salmela, Responsible teacher Katri Wegelius, Administrative person
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Medical science

Prerequisites

FI: Basics of neuroimaging methods and Matlab-software are required.

Learning outcomes

FI: This course gives a hands-on training in which the students will learn how to analyze brain imaging data with multivariate analysis methods and models.

Content

FI: The focus of this course is advanced multivariate methods for neuroimaging data. Especially, the aim is to learn multivariate data analysis methods, and how models, for example based on behavioral responses, can be used to analyze brain imaging data (EEG & fMRI). All the lectures contain hands-on assignments. The following topics are covered: basics of Matlab and related analyses toolboxes (SPM, RSA, Decoding), multivariate analysis methods in brain imaging (representational similarity analysis, decoding), university high performance computing clusters, modeling behavioral data. After the course, the students should be able to apply these methods to their own data.

The course is aimed at master's students and doctoral students interested in multivariate brain imaging data analysis methods. Basic knowledge on cognitive neuroscience and Matlab is required. Students can analyze their own data during the course.

Additional information

FI: Timing: The course can be completed at the end of master's studies or at any stage of doctoral studies. The course is organized annually.

Completion methods: Lecture series. Course assignments, attendance required.

Activities and teaching methods in support of learning: lectures and hands-on assignments.

Assessment practices and criteria: Pass or fail. Attendance and finishing all assignments are required to earn credits.

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

HUB-113 Introduction to Bayesian hypothesis testing for behavioral research

HUB-113 Introduction to Bayesian hypothesis testing for behavioral research

HUB-113 Introduction to Bayesian hypothesis testing for behavioral research

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-2 cr
Languages	English
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Human Behaviour 100%
Responsible persons	Piia Turunen, Responsible teacher Teija Kujala, Responsible teacher Katri Wegelius, Administrative person
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Medical science

Learning outcomes

FI:

- The student recognizes the basic concepts of Bayesian hypotheses testing
- The student will be able to plan, perform, interpret, and report simple Bayesian analyses
- The student will be able to describe the main differences between Bayesian and traditional statistical analyses
- The student can weigh the benefits and drawbacks of using Bayesian analyses

Content

FI: Bayesian analysis methods are becoming more widespread in many research areas, including behavioural sciences. This workshop offers a gentle introduction to Bayesian statistics. We will review basic concepts and stages of Bayesian hypothesis testing, including performing and interpreting simple Bayesian analyses such as a Bayesian t-test, the main differences between Bayesian and traditional statistical analyses, and some benefits and drawbacks of using Bayesian analyses.

Additional information

FI:

Timing: The course can be completed at any stage of studies. Organized in the autumn term, every second year

Completion methods: A course for students on Bayesian hypothesis testing, with 12h of lectures that include analysis exercises, plus readings and assignments. 1 credit for attendance and completing regular assignments. Additional 1 credit for completing a voluntary extra assignment.

Activities and teaching methods in support of learning: Lectures and analysis exercises using a simple analysis software (JASP) that requires no coding. Readings and assignments.

Assessment practices and criteria: Pass or fail. Attendance and finishing assignments are required to earn credits.

Study materials

FI: List of required literature will be updated for each course.

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

HUB-114 Functioning of sensory systems: Visual neuroscience

HUB-114 Aistijärjestelmien toiminta: näkemisen neurotiede

HUB-114 Sinnessystemens funktion: visuell neurovetenskap

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	5 cr
Languages	English
Grading scale	General scale, 0-5
University	University of Helsinki
Responsible organisation	Doctoral Programme in Human Behaviour 100%
Responsible persons	Ilmari Kurki, Responsible teacher Katri Wegelius, Administrative person
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Medical science

Prerequisites

FI: Basic studies in cognitive neuroscience, cognitive psychology and/or perception

Learning outcomes

FI: By completing the course, the student gets basic understanding of brain and cognitive mechanisms of visual perception and gets a good overview of modern research methods. Student is able to describe some

of the main findings in the field and explain the principles of neurophysiological, brain imaging and psychophysical methodologies when studying visual perception.

Content

FI: Vision is one of the most studied and best understood disciplines in neuroscience. This course gives an introduction to current research methods and knowledge in visual neuroscience. The lecturers are active researchers that use behavioral/psychophysical, modelling, brain imaging and neurophysiological methods. Each give one lecture on their own specialty topic (such as low-level processing, visual working memory or cortical functional specification) with an emphasis on explaining research methods. The course will give a comprehensive view of visual information processing stages in the brain and shows how various research methods can be used complementary to investigate visual perception.

Additional information

FI: Target group: The course is available to DPHuB students (and a quota of 6 available for students of Doctoral Programme Brain & Mind and Master's Programme in Neuroscience)

Timing: The course can be completed at any stage of studies. Organized in period IV, every second year

Completion methods: The seminar consists of seven weekly face-to-face meetings, where participation is compulsory. Students are expected to read an article or book chapter for each meeting and take part in a quiz before each meeting. Students also prepare a short research paper in small groups

Activities and teaching methods in support of learning: Attending to lectures, answering to quiz questions weekly and writing the research paper

Equivalencies with other studies: PSYK-421 Functioning of sensory systems and in Aalto University NBE-E4530 Visual neuroscience.

Study materials and literature: Lectures and compulsory reading of book chapters and/or articles for each lecture

Assessment practices and criteria: 0 – 5 Evaluation is based on quiz answers (50%), and quality of research paper (50%)

Responsible person: Ilmari Kurki (University of Helsinki), Linda Henriksson (Aalto University)

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

HUB-115 Research methods and current topics in speech-language pathology

HUB-115 Research methods and current topics in speech-language pathology

HUB-115 Research methods and current topics in speech-language pathology

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	5 cr
Languages	English
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Human Behaviour 100%
Responsible persons	Minna Laakso, Responsible teacher Satu Saalasti, Responsible teacher Leena Tuomiranta, Responsible teacher Katri Wegelius, Administrative person

Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Medical science

Learning outcomes

FI: Students learn to design research using audio and video data, use advanced research methodology, and understand scientific implementation and results achieved in current research projects.

Students will be able to:

- understand research results and research designs used in current studies in speech-language pathology
- design data collection and analysis procedures for their research question/hypotheses
- make high-quality live and online recordings of audio and/or video data
- choose and use appropriate research tools, e.g. ELAN and Praat software (<https://archive.mpi.nl/tla/elan>; <https://www.fon.hum.uva.nl/praat>), in the analysis of embodied behavior, prosody, and speech
- design data annotation procedures and analysis templates for their study

Additional information

FI:

Timing: The course can be completed at any stage of studies. Organized in the spring term, every second year

Completion methods: The curriculum consists of lectures given by national and international researchers on their research design, methodology and results obtained, and course assignments in designing research and analysing audio- and videotaped data corpuses.

Activities and teaching methods in support of learning:

- videotutorials and workshops in using Praat and ELAN software
- demonstrations on relevant research/ intervention methodology (e.g. ultrasound biofeedback, VR virtual reality)

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

HUB-119 Power calculations

HUB-119 Power calculations

HUB-119 Power calculations

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1 cr
Languages	English
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Human Behaviour 100%
Responsible persons	Marius Lahti-Pulkkinen, Responsible teacher Katri Wegelius, Administrative person
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Medical science

Learning outcomes

FI: Doctoral candidates will learn how to conduct power calculations in different study designs and what effect size means. They will also learn about what post hoc calculations of statistical power means.

Content

FI: An overview and step-by-step guide how to calculate statistical power in different study designs and how to evaluate and judge about effect size.

Additional information

FI: Timing: The course can be completed at any stage of studies. The course is arranged in the Spring term every two years.

Completion methods: MOOC and practical self-study exercises.

Activities and teaching methods in support of learning: A 1-day seminar with in-person teaching and stand-alone practical exercises.

Study materials and literature: All material are online.

Assessment practices and criteria: Pass, fail. Practical exercises need to be completed.

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

HUB-120 How to conduct systematic reviews and evaluate quality of evidence?

HUB-120 How to conduct systematic reviews and evaluate quality of evidence?

HUB-120 How to conduct systematic reviews and evaluate quality of evidence?

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	5 cr
Languages	English
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Human Behaviour 100%
Responsible persons	Marius Lahti-Pulkkinen, Responsible teacher Katri Wegelius, Administrative person
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Medical science

Learning outcomes

FI: The student will get familiar with systematic reviews and quality of evidence assessment, learns about the pre-registering process of a systematic review, and will be able to perform systematic reviews and evaluate quality of evidence. In addition, the student will learn how to report findings of systematic reviews and quality of evidence assessment in scientific journals.

Content

FI: An overview of systematic reviews according to Preferred reporting items for Systematic Review (PRISMA), how PRISMA diagrams are displayed, and an overview of the quality of evidence assessment using the Newcastle-Ottawa-Scale (NOS). A step-by-step guide on how to register systematic reviews (e.g., PROSPERO), perform systematic reviews and create PRISMA flow diagrams. A step-by-step guide to pre-establish

criteria for quality of evidence assessment for cohort, case-control and cross-sectional studies and for clinical trials, and how to evaluate the quality of evidence.

Additional information

FI: Timing: The course can be completed at any stage of studies. Organized in the fall term every second year. The course will be organized for the first time in Fall 2023.

Completion methods: Lectures/ Seminar days, group work, hands-on group assignments on conducting systematic reviews and practical exercises on a topic that supports the doctoral student's own research theme.

Activities and teaching methods in support of learning: Lectures, groups discussions, hands-on assignments and practical exercises. The course will consist of two seminar days or a series of lectures on systematic reviews. Thereafter, the students will conduct as a learning task a pairwork of conducting a systematic review on their study topic.

Study materials and literature: Recently published systematic reviews, PRISMA and NOS guidelines.

Assessment practices and criteria: Pass, fail. Full attendance on seminar days/lectures and completion of the learning task required.

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

HUB-121 MEG/EEG source modelling: from principles to practice

HUB-121 MEG/EEG source modelling: from principles to practice

HUB-121 MEG/EEG source modelling: from principles to practice

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	2 cr
Languages	English, Finnish, Swedish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Human Behaviour 100%
Responsible persons	Teija Kujala, Responsible teacher Katri Wegelius, Administrative person
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Medical science

Prerequisites

FI: Participants are assumed to have some knowledge of EEG and/or MEG, or some other neuroimaging technique, but it is not a strict prerequisite for the course. Previous knowledge of python is not required.

Learning outcomes

FI: The course participant understands the basics of MEG and EEG source modelling and can do source modelling. The participant is able to select a suitable source modeling technique for their own experiment.

Content

FI: The course gives an introduction to how MEG and EEG signals are generated, and how source modeling can be used to infer the underlying neural activity. Different source modeling techniques and their application to evoked responses and oscillatory activity are introduced. The course gives a full overview of the

analysis steps needed to perform source modeling on MEG data, from pre-processing the raw data to statistical modelling of source level data. Each step of the analysis is accompanied by hands-on exercises. The exercises are implemented in MNE python, but the general principles can be adapted to any analysis software.

Additional information

FI: Target groups

The primary target groups are DPHuB PhD students and researchers affiliated to CoBra HiLIFE platform - CBRU, BioMag, BABA center

Completion methods

Participation in teaching, hands-on analysis, and a short written report.

Assessment practices and criteria

Participation in teaching and hands-on sessions and an acceptable written report

Activities and methods in support of learning

Lectures provide a theoretical background and hands-on analyses sessions support the skills to conduct the actual source-modeling analyses

Literature and learning material

Lecture slides, hands-on script examples, and tutorials from the MNE python website

Responsible organisations

Doctoral Programme in Human Behaviour, CoBra HiLIFE platform, Aalto University (for students of Aalto)

Responsible persons

Teija Kujala, Mia Liljeström (mia.liljestrom@hus.fi)

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

DOCPOP-119 Time-to-event data-analysis

DOCPOP-119 Time-to-event data-analysis

DOCPOP-119 Time-to-event data-analysis

Abbreviation: Time-to-event d

Curriculum period	2023-24
Validity period	since 1 Aug 2023
Credits	4 cr
Languages	English
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Population Health 100%
Responsible person	Jari Kalevi Haukka, Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Medical science

Prerequisites

FI: It is strongly recommended that the participant knows the basics of [R data-analysis language](#).

SV: It is strongly recommended that the participant knows the basics of [R data-analysis language](#).

EN: It is strongly recommended that the participant knows the basics of [R data-analysis language](#).

Learning outcomes

FI: After course participants understands basic concepts of time-to-event analyses and has skills to carry out basic data-analyses of area.

SV: After course participants understands basic concepts of time-to-event analyses and has skills to carry out basic data-analyses of area.

EN: After course participants understands basic concepts of time-to-event analyses and has skills to carry out basic data-analyses of area.

Additional information

FI:

Kohderyhmä

- The Doctoral Programme in Population Health coordinates the course.
- This is an optional course.
- The course is part of the discipline-specific training module.
- The course is available to students of other degree programmes.

Ajoitus

The course can be completed at any stage of studies. Not available every year.

Toteutus

The course consists of lectures and practicals.

Sisältö

- Introduction
- Estimation of survival and hazard functions
- Lexis, multiple timescales
- Regression modele (Cox's proportionmal hazards, Poisson regression)
- Comparison to population (SIR, SMR)
- Multistate
- Especially Fine-Gray competing risks model
- Repeated events
- Time dependent variables

Oppimista tukevat aktiviteetit ja opetusmenetelmät

- lectures
- practicals
- assignments
- discussion group (in Moodle)

Arviointimenetelmät ja -kriteerit

Completed assignments:

Grading: pass/fail

Vastuhenkilö

Haukka Jari

SV:

Målgrupp

- The Doctoral Programme in Population Health coordinates the course.
- This is an optional course.
- The course is part of the discipline-specific training module.
- The course is available to students of other degree programmes.

Timing

The course can be completed at any stage of studies. Organized in the autumn term, not available every year.

Studieavsnittets form

The course consists of lectures and practicals.

Innehåll

- Introduction
- Estimation of survival and hazard functions
- Lexis, multiple timescales
- Regression models (Cox's proportional hazards, Poisson regression)
- Comparison to population (SIR, SMR)
- Multistate
- Especially Fine-Gray competing risks model
- Repeated events
- Time dependent variables

Aktiviteter och undervisningsmetoder som stöder lärandet

- lectures
- practicals
- assignments
- discussion group (in Moodle)

Bedömningsmetoder och kriterier

Completed assignments:

Grading: pass/fail

Ansvarig person

Haukka Jari

EN:

Target group

- The Doctoral Programme in Population Health coordinates the course.
- This is an optional course.
- The course is part of the discipline-specific training module.
- The course is available to students of other degree programmes.

Timing

The course can be completed at any stage of studies. Organized in the autumn, not available every year.

Completion methods

The course consists of lectures and practicals.

Contents

- Introduction
- Estimation of survival and hazard functions
- Lexis, multiple timescales
- Regression models (Cox's proportional hazards, Poisson regression)
- Comparison to population (SIR, SMR)
- Multistate
- Especially Fine-Gray competing risks model
- Repeated events
- Time dependent variables

Activities and teaching methods in support of learning

- lectures
- practicals
- assignments
- discussion group (in Moodle)

Assessment practices and criteria

Completed assignments:

Grading: pass/fail

Responsible person

Haukka Jari

Completion method and assessment items	Recurrence	Credits
Method 1		4 cr
Participation in teaching		4 cr

DOCPOP-136 Health in context: a course in multilevel modelling for public health and health services research**DOCPOP-136 Health in context: a course in multilevel modelling for public health and health services research****DOCPOP-136 Health in context: a course in multilevel modelling for public health and health services research****Abbreviation: Health in conte**

Curriculum period	2023-24
Validity period	since 1 Aug 2023
Credits	3 cr
Languages	English
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Population Health 100%
Responsible person	⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Natural sciences

Additional information**FI:** Ei järjestetä 2021**EN:** Not organized in 2021

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

PSYM-554 eHealth: Theory and Practice**PSYM-554 eTerveys: Teoria ja käytäntö****PSYM-554 eHälsa: Teori och praktik****Abbreviation: eTerveys: Teori**

Curriculum periods	2023-24, 2024-25, 2025-26
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Validity period	since 1 Aug 2023
Credits	5 cr
Languages	Finnish
Grading scale	General scale, 0-5
University	University of Helsinki
Responsible organisation	Master's Programme in Psychology 100%
Responsible person	Niklas Ravaja, Responsible teacher
Study level	Advanced studies
Study field	Fields of education (Ministry of Education and Culture), Social sciences

Learning outcomes

FI: Opintojakson suoritettuaan opiskelija

- tuntee eTerveyssovellusten ja -palveluiden toimintaperiaatteita ja eTerveystudkimuksen nykytilan
- hallitsee eTerveyden kannalta keskeisiä teorioita
- ymmärtää psykologisten prosessien merkityksen eTerveydessä
- ymmärtää minkälaiset kysymykset vaativat lisätutkimusta
- pystyy arvioimaan eTerveyssovellusten ja -palveluiden vahvuuksia ja heikkouksia
- pystyy osallistumaan eTerveyspalveluiden kehittämiseen

Content

FI:

- käyttäytymismuutosten teoriatausta
- eTerveyssovellusten ja -palveluiden toimintaperiaatteet
- emotionaaliset, kognitiiviset ja motivationaaliset prosessit eTerveyden yhteydessä
- virtuaalitodellisuus, terveys ja hyvinvointi
- nettiterapiat
- eTerveyssovellusten ja -palveluiden kehittäminen monitieteisenä yhteistyönä
- CeHRes tiekartta sovellusten ja palveluiden kehityksessä
- eTerveysratkaisujen rajoitteet

Additional information

FI:

Kohderyhmät

Opintojakso on vaihtoehtoinen psykologian maisteriohjelman opiskelijoille.

Opintojakso on tarjolla Terveyden huollon kehittämisen maisteriohjelman opiskelijoille.

Opintojaksosta vastaa psykologian maisteriohjelma.

Opintojakso kuuluu psykologian syventäviin opintoihin.

Ajoitus

Maisterin tutkinnon ensimmäinen tai toinen opiskeluvuosi.

Opintojakso järjestetään joka vuosi syyslukukaudella.

Toteutus

6-9 luentokertaa (90min) + itsenäistä/ryhmätyöskentelyä + loppukuulustelu.

Sisältö

-

Oppimista tukevat aktiviteetit ja opetusmenetelmät

Opiskelija

- kuuntelee asiantuntijaluentoja ja osallistuu tehtäviin
- osallistuu aktiivisesti keskusteluun
- kirjoittaa oppimispäiväkirjoja

Opettaja

- jakaa tietoa ja ohjaa alueen tieteelliseen ajatteluun
- keskustelee opiskelijoiden kanssa kurssilla käsiteltävistä aiheista
- purkaa opiskelijoiden kanssa annettuja tehtäviä

Arviointimenetelmät ja -kriteerit sekä arvosteluasteikko

Loppukuulustelu arvioidaan asteikolla 0-5.

Study materials

FI: Loppukuulustelu:

- eHealth Research, Theory and Development: A Multi-Disciplinary Approach, 1st Edition, 2018, Edited by Lisette van Gemert-Pijnen, Saskia M. Kelders, Hanneke Kip, Robbert Sanderma (saatavana e-kirjana)
- opetusmateriaalit (ml. kurssilla jaettavia artikkeleita)

Completion method and assessment items Recurrence

Credits

Method 1

5 cr

Participation in teaching

5 cr

NEUBM-301 Biological psychiatry 1

NEUBM-301 Biological psychiatry 1

NEUBM-301 Biological psychiatry 1

Abbreviation: Biological psyc

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 Brain and Mind 100%

Responsible person Iiris Hovatta, Responsible teacher

Study level Postgraduate studies

Study field Fields of education (Ministry of Education and Culture), Natural sciences

Learning outcomes

EN: After the course, the student knows what the current themes of research in biological psychiatry are. In addition, they know how to prepare and present a poster or oral talk. They will also learn to summarize essential content of the presentations and reflect their learning in a wider context. The symposium also enhances networking and possibilities for collaboration.

Content

EN: The symposium consists of presentations of various fields of biological psychiatry, including human genetic and imaging studies, and functional, pharmacological and genetic analyses in model organisms.

Additional information

EN: Timing

Every 1-2 years, period II or period IV

Completion methods

The symposium involves submitting an abstract, presenting a poster or oral presentation, and attending talks by other presenters and the poster session, and writing an essay/learning diary. Attendance to the symposium is required to pass the course.

Assessment practices and criteria

Scale is pass/fail

Responsible person

Professor Iiris Hovatta

EQF level 8

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

HUB-116 Behavioral life sciences

HUB-116 Behavioral life sciences

HUB-116 Behavioral life sciences

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-2 cr
Languages	English
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Human Behaviour 100%
Responsible persons	Katri Räikkönen-Talvitie, Responsible teacher Katri Wegelius, Administrative person
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Medical science

Learning outcomes

FI: During this multidisciplinary symposium, doctoral candidates will learn what the current hot topics of research in behavioral life sciences are. The goal is also to enhance multidisciplinary networking between experts in the field of behavioral life sciences giving keynote lectures and doctoral candidates presenting posters and talks. This facilitates future collaboration and possibilities for post doctoral studies. The doctoral candidates will also learn how to write an abstract, how to submit an abstract for review, and how to prepare and present a poster or oral talk for a multidisciplinary audience. In addition, the student will learn to give feedback to other presenters and receive feedback regarding their own presentation.

Content

FI: The symposium consists of presentations of various fields of behavioral life sciences.

Additional information

FI:

Timing: The course can be completed at any stage of studies. Organized every second year.

Completion methods: The symposium involves preparatory group or self-study before the symposium, writing and submitting an abstract for review, presenting a poster or giving a talk, and attending talks by experts and other doctoral candidates and a poster session. Attendance to the symposium is required to pass the course.

Activities and teaching methods in support of learning: keynote lectures, poster presentations and talks by doctoral students, self-study and preparation, group discussion.

Assessment practices and criteria: Pass, fail.

- You earn one ECTS for attendance throughout the seminar
- You earn two ECTS for attendance throughout the seminar and having a presentation

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

HUB-201 Psychology Science Day

HUB-201 Psychology Science Day

HUB-201 Psychology Science Day

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	2 cr
Languages	English, Finnish, Swedish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Human Behaviour 100%
Responsible persons	Ilmari Kurki, Responsible teacher Katri Wegelius, Administrative person
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Medical science

Learning outcomes

FI: The Psychology Science Day is a full-day scientific seminar held annually in the IV term in conjunction with the Experimental psychology course for Bachelor-level psychology students. For the doctoral students, the aim of the Science Day is to get experience on preparing and delivering a scientific conference presentation on their own research and to get constructive feedback from peers and research staff in a supportive environment. In addition this gives an opportunity to learn of the latest research and developments within human behavior research, and get an idea of the of research projects of their peers and of the role and support they can get from their doctoral programme. Conversely, this is also an opportunity for the Master- and Bachelor-level students to learn about doctoral studies and about the DPHuB doctoral programme. Doctoral students will also be able to network with each other, with Master- and Bachelor-level students, and with the research staff of the Department of Psychology and Logopedics.

Content

FI: The Science Day will focus on the different aspects of human behavior research. The course will be completed as contact teaching (attendance required), which includes (i) attendance throughout the seminar, (ii) giving a presentation (poster or talk) of own PhD project and (iii) following the presentations of the other students and discussing about those with them (also giving feedback). Students will receive 2 ECTS for completing the course (grading is pass/fail).

Additional information

FI: Participation to the Science Day is possible at any stage of the PhD studies for students that use experimental paradigms in their PhD project. If participation is at the beginning of the PhD studies, the obligatory presentation can focus on the study plan of the PhD project. If participation is at a later stage, then the presentation can be more about the collected data and results of the PhD. The Science Day is organised annually the IV term. Participation is limited to 5 PhD students per year.

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

HUB-204 HuBLu (DPHuB Lunch seminar)

HUB-204 HuBLu (DPHuB Lunch seminar)

HUB-204 HuBLu (DPHuB Lunch seminar)

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1 cr
Languages	English
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Human Behaviour 100%
Responsible persons	Polina Girchenko, Responsible teacher Katri Wegelius, Administrative person
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Medical science

Learning outcomes

FI: HuBLu gives the doctoral candidates an opportunity to learn about the hot topics within human behavior research conducted at the Department of Psychology and Logopedics. In addition, the goal is to network with other doctoral candidates and the academic staff at the Department of Psychology and Logopedics. Doctoral candidates have the opportunity to learn about the research of the teaching staff at the Department of Psychology and Logopedics and to present their own research by giving a talk, and learn to get feedback of own research work and give feedback for others.

Content

FI: HuBLu will focus on the different aspects of research in psychology and logopedics.

Additional information

FI: Timing: The course can be completed at any stage of the studies

Completion methods: The course will be completed as online contact teaching (attendance required), with an opportunity for giving a talk.

Activities and teaching methods in support of learning: The course will be completed as online contact teaching (attendance required), with an opportunity for giving a talk on the doctoral student's research project.

Assessment practices and criteria: Pass, fail. Full attendance is required.

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

HUB-205 DOPSY symposium

HUB-205 DOPSY symposium

HUB-205 DOPSY symposium

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-2 cr
Languages	English, Finnish, Swedish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Human Behaviour 100%
Responsible persons	Marius Lahti-Pulkkinen, Responsible teacher Katri Wegelius, Administrative person
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Medical science

Learning outcomes

FI: DOPSY symposium gives the doctoral candidates an opportunity to learn about the latest research and developments within psychology in Finland. In addition, the goal is to network with other doctoral candidates and the academic staff coming from the different universities in Finland. Doctoral candidates have the opportunity to present their research by giving a talk or presenting a poster, and learn to get feedback of own work and give feedback for others.

Content

FI: DOPSY symposium will focus on the different aspects of research within the field of psychology. The symposium will be completed as contact teaching (attendance required), with an opportunity to attend keynote lectures and for giving a talk or presenting a poster on the doctoral student's research project.

Full attendance is required.

- You earn one ECTS for attendance throughout the seminar
- You earn two ECTS for attendance throughout the seminar and having a presentation

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

HUB-207 Journal Club

HUB-207 Journal Club

HUB-207 Journal Club

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-2 cr
Languages	English
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Human Behaviour 100%
Responsible persons	Polina Girchenko, Responsible teacher Katri Wegelius, Administrative person
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Medical science

Learning outcomes

FI: To identify knowledge gaps and evaluate critically scientific work.

Content

FI: Published studies. Scientific content varies from course to another. The content of the paper supports doctoral candidate's thesis work.

Additional information

FI:

Timing: The course can be completed at any stage of the studies

Completion methods: Structured group discussions and being the led reviewer for one paper and presenting the review.

Completion: Participation and own presentation.

Assessment practices and criteria: Pass, fail

After attending at least 10 times, you earn one ECTS. After giving a presentation as a led reviewer, you earn one ECTS.

The maximum of two ECTS for Journal clubs can be included in the doctoral studies.

Other information: Journal clubs organized by clinics, research groups, departments etc. can be accepted.

Responsible person: Polina Girchenko. Varying teachers. If you want to earn credits from Journal clubs organized by clinics, research groups, departments and your supervisors are not employed by the UH, the coordinating academic (formerly known as responsible professor) of the doctoral thesis may accept the course. The coordinating academic from the Faculty is the person whom the doctoral candidate has selected when applied for a study right for a doctoral degree.

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

HUB-210 Statistical research methods seminar

HUB-210 Tutkimusmenetelmäseminaari

HUB-210 Seminarium om statistiska forskningsmetoder

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 Human Behaviour 100%
Responsible persons	Tom Rosenström, Responsible teacher Katri Wegelius, Administrative person
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Medical science

Prerequisites

FI: Master's level studies in some field and experience in running statistical analyses (e.g., having used SPSS, STATA, SAS or R)

Learning outcomes

FI: The students familiarize with some of the key background ideas and theory of data-analytical methods through examples related to psychology and health sciences. They understand the methods as a part of broader methodological frameworks rather than as disparate tools.

Content

FI: This course focuses on advanced statistical methods in behavioral research. See precise content from current year's course page.

Additional information

FI: Target group:

The target audience of the course are doctoral students, researchers in the applied fields, and advanced master's students interested in research.

Timing: The course can be completed at any stage of studies. Organized in the spring term each year.

Completion methods: Lectures and hands-on assignments

Activities and teaching methods in support of learning: lectures, self-study and hands-on assignments.

Assessment practices and criteria: Pass, fail. Full attendance required.

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

HUB-230 Research seminar in logopedics

HUB-230 Logopedian tutkimusseminaari

HUB-230 Forskningsseminarium i logopedi

Curriculum periods	2023-24, 2024-25, 2025-26
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Validity period	since 1 Aug 2023
Credits	3-5 cr
Languages	English, Finnish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Human Behaviour 100%
Responsible persons	Minna Laakso, Responsible teacher Katri Wegelius, Administrative person
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Medical science

Prerequisites

FI:

- Master's degree completed
- Basic knowledge of logopedics or related disciplines (e.g. audiology, linguistics, neurology, phonetics, phoniatrics, psychology, vocology)

Learning outcomes

FI:

After completing the seminar, doctoral students will

- understand the field of research in logopedics/speech-language pathology including eating, hearing, swallowing, and voice disorders,
- recognize the usefulness of current and advanced research methodology for their own study,
- have knowledge on scientific research designs, implementation, and results of research projects.

Students will be able to network with other doctoral candidates and the academic staff at the Department of Psychology and Logopedics.

Content

FI: Research seminar in the field of logopedics meeting once a month during university semesters.

Additional information

FI: Credits

3 credits (active participation for 2 years)/ 5 credits (active participation for 4 years)

Completion methods

Participation in seminarium (80%). Participants are required to present their own doctoral research by giving a talk, or inviting a presenter/discussion on a theme relevant for their doctoral research. They will learn to get feedback of their own research and give feedback to others. The course can be completed entirely by distance learning.

Assessment practices and criteria

Active participation in the seminar and 80% attendance in seminar meetings are required.

Activities and methods in support of learning

The seminar will be conducted as online meetings (attendance required) with pre-materials. Doctoral students will have an opportunity to attend research presentations and discuss with others on current research topics, methodology, and other relevant issues, as well as to present and get feedback on their own research projects.

Target groups

Doctoral students in Logopedics or related disciplines with an interest in speech-language pathology.

Compulsory for doctoral students in Logopedics.

Teaching period when the course will be offered

once a month in periods 1-4 yearly

Responsible persons

Professor Minna Laakso & Coordinator Marianna Visapää, minna.laakso@helsinki.fi, marianna.visapaa@helsinki.fi

Completion method and assessment items	Recurrence	Credits
Method 1		3-5 cr
Participation in teaching		3-5 cr

HUB-300 Scientific seminars, conferences, symposia

HUB-300 Scientific seminars, conferences, symposia

HUB-300 Scientific seminars, conferences, symposia

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	2-8 cr
Languages	English, Finnish, Swedish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Human Behaviour 100%
Responsible persons	Katri Wegelius, Contact-info ⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Medical science

Learning outcomes

FI: Participation in academic conferences, symposia and seminars, as well as presentations of current research (poster or talk) provide doctoral students with additional experience in presentation, as well as the possibility to learn new things and further their expertise in their field. In addition, students are given the chance to network both nationally and internationally.

Content

FI: Scientific content varies from one event to another and supports doctoral candidate's research project.

Additional information

FI:

Completion methods: Participation and presentation.

Assessment practices and criteria: Pass, fail

- You earn two ECTS for a talk or poster presentation. The maximum of 8 ECTS can be included in the doctoral thesis.
- Credits cannot be earned just by attending a conference.
- An attendance certificate is required.

Credit registration: apply for a personalized evaluation in SisU.

Relations to other study units: HuB-301, HuB-302, HUB-303

Responsible person: Supervisor. If your supervisors are not employed by the UH, the coordinating academic (formerly known as responsible professor) of the doctoral thesis may accept the course. The coordinating academic from the Faculty is the person whom the doctoral candidate has selected when applied for a study right for a doctoral degree.

Completion method and assessment items	Recurrence	Credits
Method 1		2-8 cr
Independent study		2-8 cr

HUB-301 Scientific seminars, conferences, symposia

HUB-301 Scientific seminars, conferences, symposia

HUB-301 Scientific seminars, conferences, symposia

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	2 cr
Languages	English, Finnish, Swedish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Human Behaviour 100%
Responsible persons	Katri Wegelius, Contact-info ⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Medical science

Learning outcomes

FI: Participation in academic conferences, symposia and seminars, as well as presentations of current research (poster or talk) provide doctoral students with additional experience in presentation, as well as the possibility to learn new things and further their expertise in their field. In addition, students are given the chance to network both nationally and internationally.

Content

FI: Scientific content varies from one event to another and supports doctoral candidate's research project.

Additional information

FI: Completion methods: Participation and presentation.

Assessment practices and criteria: Pass, fail

- You earn two ECTS for a talk or poster presentation. The maximum of 8 ECTS can be included in the doctoral thesis.
- Credits cannot be earned just by attending a conference.
- An attendance certificate is required.

Credit registration: apply for a personalized evaluation in Sisu.

Relations to other study units: HuB-300, HuB-302, HUB-303

Responsible person: Supervisor. If your supervisors are not employed by the UH, the coordinating academic (formerly known as responsible professor) of the doctoral thesis may accept the course. The coordinating academic from the Faculty is the person whom the doctoral candidate has selected when applied for a study right for a doctoral degree.

Completion method and assessment items	Recurrence	Credits
Method 1		2 cr
Independent study		2 cr

HUB-305 Scientific publications not included in the thesis

HUB-305 Scientific publications not included in the thesis

HUB-305 Scientific publications not included in the thesis

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	1-6 cr
Languages	English, Finnish, Swedish
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Human Behaviour 100%
Responsible persons	Katri Wegelius, Contact-info ⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Medical science

Learning outcomes

FI: Writing articles is an essential part of doctoral training and the development of expertise. Publications advance the academic research career of doctoral students, increase their visibility in the academic community and make it possible to gain merit essential to an academic research career. Networking on national and international levels.

Content

FI: Writing publications not to be included in a doctoral dissertation.

Additional information

FI:

Assessment practices and criteria: Pass, fail

- A doctoral candidate can earn ECTS from publications not to be included in his/her doctoral dissertation.
- A doctoral candidate writes a short description about his/her contribution to the publication and sends it to the Doctoral Programme.

The number of credits is based on

- 1 credit / any scientific publication where the doctoral candidate is included
- 2 credits / scientific publication where the doctoral candidate is the first or last author

Responsible person: Supervisor. If your supervisors are not employed by the UH, the coordinating academic (formerly known as responsible professor) of the doctoral thesis may accept the course. The coordinating academic from the Faculty is the person whom the doctoral candidate has selected when applied for a study right for a doctoral degree.

Completion method and assessment items	Recurrence	Credits
Method 1		1-6 cr
Independent study		1-6 cr

HUB-308 Research visits

HUB-308 Research visits

HUB-308 Research visits

Curriculum periods	2023-24, 2024-25, 2025-26
Validity period	since 1 Aug 2023
Credits	2-6 cr
Languages	English
Grading scale	Pass-Fail
University	University of Helsinki
Responsible organisation	Doctoral Programme in Human Behaviour 100%
Responsible persons	Katri Wegelius, Contact-info ⚠ [information missing], Responsible teacher
Study level	Postgraduate studies
Study field	Fields of education (Ministry of Education and Culture), Medical science

Learning outcomes

FI: Visiting a collaborating research group abroad gives the doctoral candidate the opportunity to experience first-hand how other research groups function, how to conduct research in a new environment, exchange ideas and deepen his/her knowledge on the topic. Networking is a crucial part of research visits; the visit can serve as a basis for future collaboration or post doctoral research.

Content

FI: Visiting a research group abroad.

Additional information

FI: Completion methods: Research visit and written report including a description of the research visit: where and when the training was done, research methods used, possible results, and discussion on the learning outcomes of the visit.

Feedback from the host/leader of the research group where the research visit was carried out.

Assessment practices and criteria: Pass, fail.

- 2 ECTS require 5 days of work.
- The maximum is 6 ECTS which require 30 working days.
- A testimonial is required.

Relations to other study units: HuB-309, HUB-310

Other information: No registration for the course.

Credit registration: apply for a personalized evaluation in SisU.

Responsible person: Supervisor. If your supervisors are not employed by the UH, the coordinating academic (formerly known as responsible professor) of the doctoral thesis may accept the course. The coordinating academic from the Faculty is the person whom the doctoral candidate has selected when applied for a study right for a doctoral degree.

Completion method and assessment items	Recurrence	Credits
Method 1		2-6 cr
Independent study	-----	2-6 cr