

THE PHD PROGRAMME IN HEALTH SCIENCE, 2015/2016

Areas of study

As an inter-faculty Programme, the PhD Programme in Health Science covers a wide range of areas of disciplines. Common to these areas of disciplines is the focus on human health issues, on a social, human-interactive and individual basis. Three departments contribute to the Programme: The Department of Social Work and Health Science, (Faculty of Social Sciences and Technology Management), the Department of Neuroscience and the Department of Public Health and General Practice (Faculty of Medicine).

The joint faculty procedures and administrative guidelines are found here:

Faculty of Social Sciences and Technology Management, <http://www.ntnu.edu/svt/phd-programme>. Faculty of Medicine, <http://www.ntnu.edu/dmf/research/phd>.

Objective of the PhD Programme in Health Science

After completing a PhD degree in Health Science,

- the candidate is in the forefront of knowledge in his or her own professional field
- the candidate can contribute to the development of new knowledge, new theories, methods of interpretation and documentation in the field
- the candidate has the knowledge and skills to independently formulate research questions and plan and conduct their own studies
- the candidate has the knowledge and skills to analyze, interpret and critically evaluate his/her own and others' studies, and place these in a larger context
- the candidate can present research results in oral and written forms through recognized national and international channels
- the candidate has an understanding and knowledge of ethical frameworks and legislation related to research in the field

ADMISSION (§ 5 in Regulations)

The applicant must have a Master's degree within the fields of Health Science, Medicine, Human Movement Science, Social Sciences or an equivalent education.

The application

It is preferred that the PhD plan, including the project description, is written in cooperation with the main supervisor. The application is to be sent to the Department where the candidate and supervisor have their affiliation.

ACADEMIC DISSEMINATION (§ 5.2 in Regulations)

In addition to the publication of the PhD project, it is required that the candidate presents the PhD work at a national or international academic conference. A written version of the paper presented, normally in English, serves as documentation and the basis for approval. Approval is made by the Department, based on the recommendation of the supervisor.

SUPERVISION

Admission at the Department of Social Work and Health Science

As a general rule, the supervisor should be employed at the Department of Social Work and Health Science. The main supervisor should always be responsible for at least 50 % of the

supervision time. It follows that any external supervisor(s) should not be responsible for more than 50 % of the supervision time

ORGANIZED ACADEMIC COURSE WORK (§ 8 in Regulations)

Structure and implementation

As part of the organized academic course work, a minimum of 7.5 credits must consist of a "Theory of Science" component. At the Faculty of Social Sciences and Technology Management, the course SFEL8000 "Theory of Science in the Social Sciences" is offered, and at the Faculty of Medicine, SMED8004 "Introduction to Research" and SMED8005 "Communication of Science" are offered. The candidates are free to choose among these courses, but equivalent courses at NTNU or at other universities may also be chosen. In addition to choosing among the courses listed below, the candidate may also include courses offered at NTNU or other national and international universities. These courses must be professionally/methodically relevant for the candidate's research project.

In a few cases, it may be pertinent to approve external courses provided that certain additional criteria are met, for example that an essay related to the course is submitted, even though this is not a requirement in the course itself. In these cases, the essay is submitted to the Department, and assessed by the supervisor.

Overview of all courses offered in the PhD Programme in Health Science:

Kode	Tittel	Sp	Semester
BEV8003*	Signal Analysis with Matlab in Human Movement Science	5	S
BEV8005 **	Modern Measurement Techniques in Human Movement Science	5	S
BEV8006	Research in Human Movement Science	5	*****
HLS8008*****	Research on Health Promotion	5	H
HLS8014*****	Current issue	5	S
HLS8018*****	Children of the Welfare State	5	H
HLS8022***	Individually selected syllabus	5	A/S
KLMED8004	Medical Statistics, Part I	7.5	A
KLMED8005	Medical Statistics, Part II	7.5	S
SARB8008*****	Ethnicity and diversity	5	*****
SARB8010*****	Social exclusion	5	S
SARB8016*****	Current issue	5	A
SARB8019*****	User involvement in different forms and different contexts	5	A
SMED8002	Epidemiology II	7.5	S
SMED8004	Introduction to Research	5	A/S
SMED8005	Communication of Science	3	S

* The course is normally reserved for candidates enrolled in the PhD Programme in Health Science

** The course is offered when sufficient persons are registered and teaching resources are available at the Department of Neuroscience

*** The course is reserved for candidates enrolled in the PhD Programme in Health Science. Responsible department is where the candidate's supervisor has his or

hers affiliation.

**** The course may be canceled or modified if there are fewer than five participants, and the Department of Social Work and Health Science does not have teaching resources.

***** Look for further announcement.

Be aware that the following PhD courses have overlap with other courses:

BEV8005: BEV8002, 5 credits

BEV8006: BEV8004, 5 credits

KL MED8004: HLS3550, 7.5 credits, KLH3004, 7.5 credits, KLH3100, 5 credits, ST3000, 5 credits and ST3001, 5 credits

KL MED8005: ST2303, 3.5 credits and ST3000, 2.5 credits

SMED8004: SMED8000, 5 credits, PALC8001, 2 credits and MEDT8001, 1 credit

SMED8005: SMED8000, 3 credits and PALC8001, 1.5 credits

Academic course work at the Faculty of Social Sciences and Technology Management

Normally, the substantial course is taken at the Department of Social Work and Health Science. This is to ensure contact with the department and the rest of the doctoral candidates. The remaining credits are to be chosen freely depending on individual wishes and in agreement with the supervisor. Be aware that the organized academic course work component consists of 30 credits and has 3 elements:

- Theory of Science (minimum 7.5 credits)
- Methodological courses (minimum 7.5 credits)
- Theoretical/substantial courses (minimum 7.5 credits)

Academic course work at the Faculty of Medicine

Note that the organized academic course work component consists of 30 credits. Theory of Science (minimum 7.5 credits) is a mandatory element. It can be either both the courses SMED8004 and SMED8005 or the course SFEL8000. SFEL8000 will be the most adequate course for candidates who already have completed a fundamental theory of science course.

For more and updated information about courses at the Faculty of Medicine, see the

<http://www.ntnu.edu/dmf/phd/courses>.

Be aware that the organized academic course work component consists of 30 credits and has 3 elements:

- Theory of Science (minimum 7.5 credits)
- Methodical courses (minimum 7.5 credits)
- Theoretical/substantial courses (minimum 7.5 credits)

THESIS (§ 10 in Regulations)

Requirements for the thesis and rules for evaluation are given in [regulations](#) concerning the philosophiae doctor degree (PhD) at the Norwegian University of Science and Technology (NTNU). The thesis may be handed in as a larger collective piece of work (monograph) or a collection of articles. If the thesis consists of a number of smaller pieces of work, there should be at least 3-4 pieces as well as a summary. In this text, the candidate is given the opportunity to describe how he or she considers the thesis as a whole. The text summarizing the work, usually deals with how the thesis is placed within a wider theoretical field, and also, how the thesis answers the questions within this research area. This summarizing text is usually an introduction, a theoretical basis for all the work included and a summary of the problems addressed in the articles. The text gives an overview of the methods, a summing up of the

main results and a discussion of the most important findings and how these should be understood, both empirically and theoretically.

The articles may be a part of this text that summarizes the work, or they may also be placed at the back of the thesis. Dependent on quality and scope, the exact number of articles is to be clarified with the supervisor. The articles may be articles in scientifically refereed periodicals or chapters in anthologies. It is assumed that at least 50 % of the articles are already published, or accepted for publication when the thesis is submitted. All articles are required to have a standard that is appropriate for publication in scientifically refereed periodicals. The candidate is to be the primary author of at least 2 articles. In special cases, dispensation from the directions above may be given. Dispensation is to be clarified with the supervisor.

FINALIZATION (§§ 12-22 in Regulations)

For procedures for submission, appointment of an evaluation committee, the committee's report and assessment of the thesis, revision for new assessment, trial lecture and public defence, as well as awarding the PhD degree - see

SVT: <http://www.ntnu.edu/svt/phd-programme/thesis>

DMF: <http://www.ntnu.edu/dmf/phd/completion>