



Certificate of completed midway review

Note that this form must be completed electronically. The chair of the department's doctoral education group and the Head of Department certify on page 1 that the midway review has been completed. Other information is completed by the review group. The certificate must be prepared within two weeks.

The original is sent to the department's doctoral education group to be reviewed and signed. The certificate is archived at the department and a copy sent foutb@adm.umu.se.

Doctoral student:

Name	Personal identity number
Department	Principal supervisor
Admission date	Planned defence of doctoral thesis, year and month

Thesis project:

Title

Date of midway review

Umeå,

Signature (Chair of the department's doctoral education group)	Name (printed)
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Signature (Head of Department)	Name (printed)
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- *If signing digitally, fill in name and state 'signed digitally'*



The review group's statement

Instructions for the review group can be found in *Guidelines for carrying out a midway review*.

Assessment of written summary

Aspects	Comment/justify
The aim and/or research question(s) are clearly stated and justified.	
The introduction demonstrates knowledge of previous research, and links to the aim/research question(s).	
Methods and results are presented clearly.	
The text is coherent and easy to understand, there is a common thread running through it, and the language is scientifically correct.	
Terms and concepts are well chosen and used consistently.	
The literature review is relevant.	
The reflection on the limitations of the project, the methods and the presented results has sufficient depth. Potential risks in the ongoing work are discussed.	

Opinions on how the doctoral student can improve and develop the written summary



Assessment of oral presentation of the project

Aspects	Comment/justify
The research field is presented clearly and summarised well.	
Research question(s) are stated clearly and justified.	
Methods and results are presented clearly.	
Reflection on the project's weaknesses and/or limitations.	
Reflection on the significance of the results achieved thus far in relation to the research question(s).	
Terms and concepts have a sound scientific basis and are used consistently.	
Ability to take a critical approach towards their own data.	

Opinions on how the doctoral student can improve and develop the oral presentation



Assessment of the doctoral student's ability to defend and justify their project, and to relate their project to other medical research and other societal benefits

Aspects	Comment/justify
Reflection on the opportunities and limitations of science and its impact on their own project.	
Reflection on ethical aspects.	
Reflection on the project's impact on individuals' equal terms.	
Reflection on the research project from a sustainability perspective.	
Reflection on the project's consequences from an international perspective.	

Doctoral level courses and other credit course components

Comments on third-cycle courses, other credit course components and the literature course.



Publications/manuscripts

Any additional comments and suggestions for further development to enable the degree objectives to be achieved on defending the thesis

Comment on the timetable up until the time of thesis defence



The review group's final opinions and justification in accordance with the guidelines and the national objectives

Members of the review group

Title and name:

Department:

Title and name:

Department:

Title and name:

Department:

Umeå,

.....
On behalf of the review group

.....
Name (printed)

- *If signing digitally, fill in name and state 'signed digitally'*



National objectives for the degree (Swedish Higher Education Ordinance Chapter 6, Sections 4 and 5)

Knowledge and understanding

For the degree of doctor, the doctoral student must:

- demonstrate broad knowledge within – and a systematic understanding of – the research field, and in-depth and current specialist knowledge within a limited part of the research field; and
- demonstrate familiarity with scientific methods in general and with the specific research field's methods in particular.

Competence and skills

For the degree of doctor, the doctoral student must:

- demonstrate a capacity for scientific analysis and synthesis, and for independent critical review and assessment of new and complex phenomena, research questions and situations;
- demonstrate an ability to identify and formulate research questions – critically, independently, creatively and with scientific accuracy – and to plan and, using appropriate methods, carry out research and other advanced tasks within specified time limits, and to evaluate and review this work;
- with a thesis, demonstrate the ability to make a significant contribution towards the development of knowledge through their own research;
- demonstrate an ability – in both national and international contexts, both orally and in writing, and in an authoritative manner – to present and discuss research and research findings in dialogue with the scientific community and with society as a whole;
- demonstrate an ability to identify the need for additional knowledge; and
- demonstrate the conditions – both within research and education and in other advanced professional contexts – to contribute towards the development of society and to support other people's learning.

Judgement and approach

For the degree of doctor, the doctoral student must:

- demonstrate intellectual independence and scientific integrity, and the ability to make research ethics assessments; and
- demonstrate a deeper insight into the potential and limitations of science, its role in society and people's responsibility for how it is used.

Local objectives for the degree

Knowledge and understanding

For the degree of doctor, the doctoral student must:

- demonstrate broad knowledge of scientific theory and sustainable development in general, and of medical science in particular.

Competence and skills

For the degree of doctor, the doctoral student must:

- demonstrate a good ability to relate their own research to other ongoing medical research and, by extension, to clinical application and other societal benefits.

Judgement and approach

For the degree of doctor, the doctoral student must:

- demonstrate a good ability to relate to the complexity of medical research, its ethical aspects and its impact on individuals and society.