

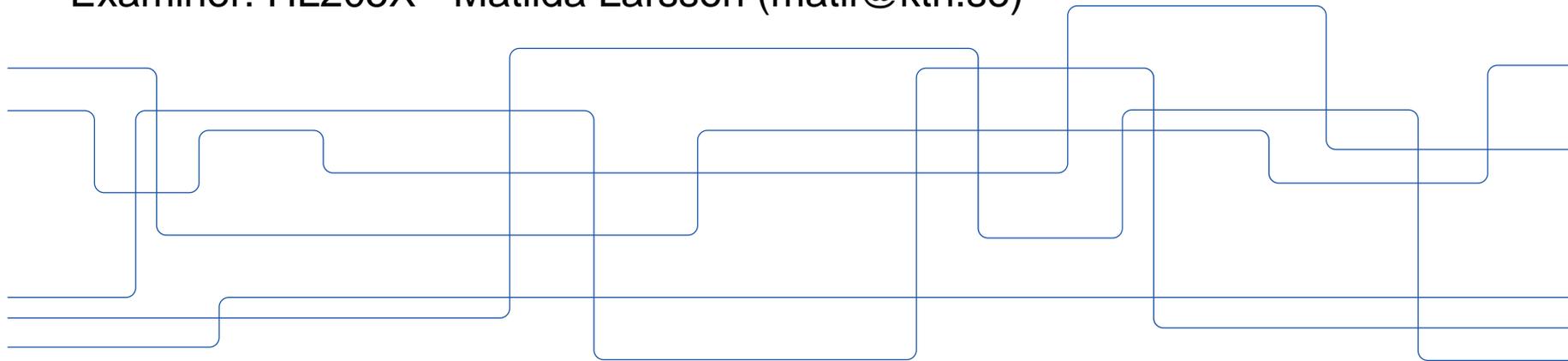


HL205X, HL207X

Degree Project in Medical Engineering, Second Cycle

Course manager: Maksims Kornevs (kornevs@kth.se)

Examiner: HL205X - Matilda Larsson (matil@kth.se)





Two different thesis courses

- **HL205X Degree Project in Medical Engineering (Examiner: Matilda Larsson)**
 - **HL207X Degree Project in Technology and Health (Examiner: Sebastiaan Meijer)**
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*“Engineering is the profession in which a knowledge of the mathematical and natural sciences, gained by **study, experience, and practice**, is applied with judgment to develop ways to utilize, economically, the materials and forces of nature for the benefit of humankind.”*

Accreditation Board for Engineering and Technology



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Accreditation Board for Engineering and Technology

- The master thesis project is the final step in your studies
 - It shows what you have learned
 - Demonstrate your knowledge by study, experience, and practice
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Basic information

- Credits: 30 credits equivalent to 20 weeks full-time
- Eligibility: ≤ 60 credits left in your master and completed bachelor
- Grading: P/F (see criteria here: <https://www.kth.se/social/program/tmlem/page/assessment-support-for-the-fulfillment-o/>)
- Presentation days (June 1 in Flemingsberg, ~20 August 2023, ~10 January 2024)
- Exemption:

www.kth.se/form/5d8c6d369c463d042923c9db

KTH Formulär Student | Alumn | Anställd | International website

Sök på KTH:s webbplats

Hem | Utbildning | Forskning | Samverkan | Om KTH | Bibliotek

Dispensansökan för att påbörja examensarbete på CBH-skolan

Detta formulär gäller endast för studenter antagna på civilingenjörsprogrammen i Teknisk kemi, Bioteknik eller Medicinsk teknik på CBH-skolan. Behörighetskravet för att få påbörja examensarbetet, 30 hp, är följande:

- Avklarat samtliga kurser i kandidatexamen inom civilingenjörsprogrammet
- Minst 60 hp avklarade på masterprogram

Namn:

Obligatoriskt svar

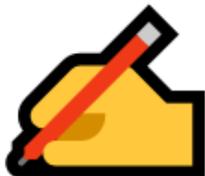
Personnummer:



The process



Find your project



Project proposal



Project description



During the process



Find your project

KTH-
exjobbportalen:
<https://www.kth.se/en/samverkan/exjobb/studenter>



your teachers

Program web:
<https://www.kth.se/social/program/temlem/page/projects-proposals/>

own ideas

MedTech
companies/ Other
Universities/
Research
Institutes



Find your project – tips from students

KTH international coordinator

Contacted the professor

Already working for the company

Work fair

Looked at the company's website and contacted R&D manager

Prepared my own project

KTH Degree Project Portal

Through the course

via the Business group of KTH

Course web

Sent a lot of emails to teachers



How do I know if it's the right one?

The student should:

- demonstrate knowledge of the scientific grounds of their chosen subject area, as well as in-depth insight into current research and development and in-depth knowledge of relevant methodology.
 - demonstrate the ability to identify, analyze, assess and handle complex phenomena, questions and situations, even with limited information.
 - demonstrate the ability to plan and, with adequate methods, carry out skilled tasks within a given time frame and evaluate this work
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Project proposal



- **short** description of the intended project
 - feasible in 20 weeks full-time work
 - clear current big unknown, clear goal, clear scientific methods, desirable outcomes
 - submit a project proposal via the following online form: <https://www.kth.se/form/project-proposal>
 - Project proposal is just a rough estimate if a project is OK, not a final decision
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Project description



- Project proposal is approved, you will receive project description form
 - Fill it out carefully! It is your work contract
 - It takes time to fill it
 - Once completed send it to kornevs@kth.se

 - Wait for a decision
 - If PASS – great, if FAILED – change or look for a new project
 - most project descriptions pass
 - Project description needs to be approved by **15 December 2022**
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Project description



Background to the problem and description of the aim of the degree project

Specified objectives and tasks: you need to clearly define your research objectives

Expected results: enter the expected result for your thesis and summarize the significance of the work

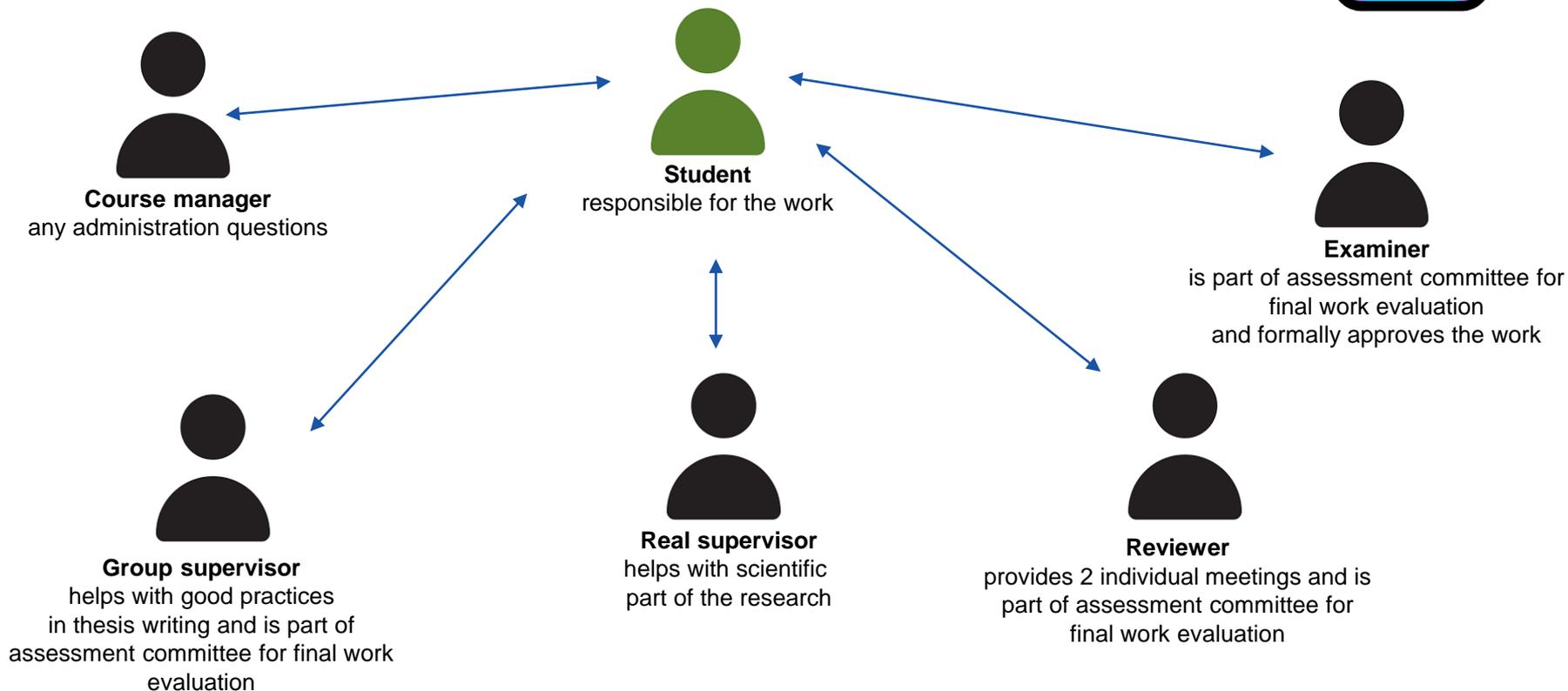
Methodology: you should make clear how you intend to approach the research aim and the techniques and logic that you will use to address it

Project and schedule: describe how you plan to structure your time and add some milestones to the schedule will help you to keep track of the progression of your plan

Reference list

The project description needs to be at least 4-5 pages and one month is recommended to complete the description properly!

During the process





During the process



- Kick-off meeting
 - 6 group meetings to help to work on your thesis
 - Several reviews of other students' works
 - Mid-term submission 1 March (subject to change)
 - Rough draft of all parts
 - Showing that the proposed methodology works
 - Final presentation **1 June 2023**

 - Good work does require working full time for 20 weeks
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The process

before

- Project proposal approval (~15 November 2022)
- Project description submission (15 December 2022)

during

- Project start (~17 January 2023)
- Mid-term submission (~1 March 2023)
- Project report submission (~17 May 2023)

after

- Opposition review report submission (~31 May 2023)
 - Degree project defence (1 June 2023)
 - Final version approval by reviewer
 - Final version upload to DiVA submission (~20 June 2023)
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