

**Semester description for:****4th semester, Master in Science in Medicine with Industrial Specialisation - Spring 2020****Semester details**

[The study curriculum: Master in Science in Medicine with Industrial Specialisation](#)

Semester framework theme

This should include an elaborated description in a prose form of the focus of the semester, activities implemented to fulfil the competence objectives and the thematic(s) of the semester. In other words, the semester description includes the “framework theme” that the students will be exposed to during the semester. The role of the semester and its contribution to students’ academic progression should also be described.

During the second year of Master's (9th and 10th semester) students will work independently on projects outlined by a qualified supervisor. Projects can be of short duration (one semester-30 ECTS) whereby two projects are performed during the period of the final year. Alternatively, the projects can be of a long duration (two semesters-60 ECTS). During this period of time, the student will work on the research project outlined with adequate supervision from their supervisor. All projects have to be approved by the supervisor and the study leader. The Master students will be building on acquired knowledge and skills that has been obtained throughout the earlier semesters. Master students are allowed to collaborate with industry and require an internal contact person and University supervisor, the formality is such that an official agreement is made and approved before project start. Upon completion of the Masters project, the student should be at a level to enter the academic / industrial market.

Semester organisation and time schedule

This must be a short description the of the different activities of the semester, their mutual connections and the way in which they support each other and also support students in reaching their goals; such activities may be study trips, internship periods, project modules course modules, including laboratory activities, cooperation with external stakeholders, possible cross-disciplinary cooperation relations, any guest lectures and other events.

The 9th and 10th semester consists of either one long project that runs over the 2 semesters or two short projects. These are assessed in the form of a written report that is examined by oral examination with external censors. No courses are planned during this period. A status seminar will be held in the spring in the form of a progress report.

Semester coordinator and secretariat assistance

Names of anchorperson (teaching staff), course coordinator, semester coordinator (or similar title) and secretariat assistance provider(s).

Semester coordinator: Meg Duroux, megd@hst.aau.dk, Department of Health, Science and Technology
Semester secretary: Dorthe Skree, dsk@hst.aau.dk, Department of Health, Science and Technology
Student representative: Please check semester details on Moodle.

Module description (description of each module)**Module title, ECTS credits (and possibly STADS code)**

Profile: BM, TM, MMA

Master's Thesis / Kandidatspeciale

30 ECTS project module

Location

Master, Science in Medicine with Industrial Specialisation, 4th semester

Study Board for Medicine

Module coordinator

The academic staff member responsible for the organisation and execution of the module.

The module leader may be the same person as the semester coordinator. If a person responsible for exam is pointed out, please state name and e-mail address here.

Meg Duroux, megd@hst.aau.dk, Department of Health, Science and Technology.

Type and language

Module type (e.g. study subject module, course module, project module etc.)

Language of instruction.

The projects should preferably be written in English, although Danish is allowed in agreement with the supervisor.

Objectives

Description of the content and objectives of the course as regards learning objectives of the students in the module. This comprises a transcript of the knowledge, skills and competences described in the study regulations and curriculum. Reference can be made to elaborations on semester Moodle site and/or to curriculum on Study Board website (applicable for MedIS and Medicine).

<https://studieordninger.aau.dk/2019/17/1008>

From Curriculum:

After completing this module, the student is expected to:

Knowledge

- Demonstrate an overview and understanding of scientific literature related to the project

Skills

- Select and apply relevant methods in relation to the project
- Further develop scientific skills within the track and to display the ability to perform scientific work
- Integrate and to deepen previously acquired knowledge and skills

Competences

- Experience in identification and analysis of realistic and complex problems
- To apply and critically evaluate general scientific methods to solve specific problems
- To synthesize the results of a scientific project to new levels of scientific understanding
- Design a study with subsequent acquisition of data, processing of results, and discussion

Academic content and conjunction with other modules/semesters

A brief and general description of the academic content of the module as well as the basis and motivation for the module; i.e. a brief review of the content and foundation of the module.

The intention is to provide students with an overview of each module and to create understanding of the module in relation to the semester and the entire programme.

The 9th and 10th semester requires the student to use the skills and knowledge acquired from their bachelor and the first 2 semesters of their Masters. New skills and techniques are often introduced during this time period.

Scope and expected performance

The expected scope of the module in terms of ECTS load. This comprises number of teaching hours, exercises, preparation time, travel activity (if applicable) etc.

Participants

Indication of the participants in the module, particularly if they include several year groups, programmes or another type of co-teaching.

Students on the 9th and 10th semester Medicine with Industrial Specialisation (MedIS)

- Biomedicine
- Translational Medicine
- Medical Market Access

Prerequisites for participation

Description of the prerequisites for students' participation in the course, i.e. previous modules/courses in other semesters etc. The overall intention is to emphasise the coherence of the programme. This may be a transcript of the text in the study regulations and curriculum.

A completed Bachelor's degree (B.Sc.) in Medicine, Biotechnology, Molecular medicine, MedIS or similar.

Module activities (course sessions etc.)

The 9th and 10th semester does not include any courses. The student is expected to work fulltime with the help and guidance of their supervisor to achieve the research aims outlined in the project description. There is no delimitation to the project theme.

Examination**Eksamen**

1. The exam will take the form of an oral exam based on the project learning outcomes and content.
2. The project will be delivered digitally (DE)
3. Project exam will be conducted in the presence of internal supervisor (external supervisor if part of co-supervision -external to AAU or company) and external censor.
4. The oral project exam will start with a presentation of the project work and will be followed by questions.

We refer to the webpage concerning exams

<https://www.hst.aau.dk/uddannelser/Undervisning+og+eksamen/>

Description of group based project exams:

<https://www.hst.aau.dk/uddannelser/Regler+og+formularer/Gruppebaseret+projekteksamen/>

Link to digital exams:

[Digital Eksamen \(DE\)](#)