



## Semester Description of Study Programme at Aalborg University

### Semester description for 4<sup>th</sup> semester, Master in Sports Technology, Spring 2020

#### Semester details

The Department of Health Science and Technology  
Study board for Health, Technology and Sports Science  
[Curriculum for the Master's programme in Sports Technology](#)

#### Semester framework theme

*Herunder en mere udfoldet redegørelse i prosaform for semesterets fokus, arbejdet med at indfri lærings- og kompetencemål og den eller de tematikker, der arbejdes med på semesteret. Semesterbeskrivelsen rummer altså den "temaramme", som de studerende arbejder under, og endvidere beskrives semesterets rolle og bidrag til den faglige progression.*

The fourth semester is the last semester of this education where you will write a Master thesis. The Master's thesis is the last element of the scientific education, with the aim to integrate and/or deepen previously acquired skills and to display the ability to perform scientific work.

#### Semester organisation and time schedule

*Kortfattet beskrivelse af hvordan de forskellige aktiviteter på semesteret (såsom studieture, praktik, projektmoduler, kursusmoduler, herunder laboratoriearbejde, samarbejde med eksterne virksomheder, muligheder for tværfaglige samarbejdsrelationer, eventuelt gæsteforelæsere og andre arrangementer med videre) indbyrdes hænger sammen og understøtter hinanden samt den studerende i at nå semesterets kompetencemål.*

The only activity for you is your project work, which should be considered as a full time job. Different project proposals will be posted on Moodle. One status seminar will be organized, where the main goal is to present each other the different projects with the possibility to give each other feedback. Please see [the study board's policy for status seminar](#).

For all the latest information you are expected to follow Moodle and read your AAU e-mail on a daily basis.

The supervisors for the semester will primarily come from the department of Health Science and Technology (HST) and the department of Materials and Production (MP).

Please see [the study board's policy for forming groups](#).

#### Semester coordinator and secretariat assistance

*Angivelse af ankerlærer, fagkoordinator, semesterkoordinator (eller tilsvarende titel) og sekretariatsdækning*

Semester coordinator: Mark de Zee, [mdz@hst.aau.dk](mailto:mdz@hst.aau.dk), Department of Health, Science and Technology  
Semester secretary: Berit Lund Sørensen, [bic@hst.aau.dk](mailto:bic@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)

Master Thesis / Kandidatspeciale  
30 ECTS

### Location

Master, Sports Technology, 4<sup>th</sup> semester  
Study board for Health, Technology and Sports Science

### Module coordinator

*Angivelse af den ansvarlige fagperson for modulets tilrettelæggelse og afvikling. Den modulansvarlige kan være identisk med semesterkoordinatoren. Såfremt der udpeges en eksamensansvarlig nævnes vedkommende her.*

Mark de Zee, [mdz@hst.aau.dk](mailto:mdz@hst.aau.dk), Department of Health Science and Technology, together with the supervisors of each group.

### Type and language

*Angivelse af modulets type: fx kursusmodul, projektmodul, casemodul eller lign.  
Angivelse af sprog.*

Project module. In general, the project report is usually written in English.

### Objectives

*Kursets indhold og målsætninger beskrives i forhold til, hvad den studerende skal lære i forbindelse med modulet. Dette indbefatter gengivelse af studieordningens beskrivelse af viden, færdigheder og kompetencer. Der kan suppleres med kortfattet beskrivelse/uddybning af den metodiske, praktiske viden og kunnen, som den studerende opnår. Der kan evt. henvises til uddybninger på Moodle.*

### From Curriculum:

The Master Thesis is the last element of the scientific education, and thereby an opportunity to integrate and to deepen previously acquired skills and to display the ability to perform scientific work.

Students who complete the module:

### Knowledge

- have knowledge of instrumentation and physical performance as well as interplay between athlete and equipment at the highest international level of research
- are able to reflect on this knowledge on a scientific basis

### Skills

- are able to critically apply scientific methods and tools to research within the chosen area of knowledge
- are able to evaluate and to choose scientific theories and methods and to identify scientific problems within the chosen area of research
- are able to communicate problems, methods and results within the scientific area, in both oral and written form

### Competences

- are able to choose technologies, record, analyse and critically evaluate real and simulation results in relation to physical performance
- are able to independently initiate and to perform collaboration within the discipline and interdisciplinary as well, and to take professional responsibility
- are able to independently take responsibility for his or her own professional development and specialization

### Academic content and conjunction with other modules/semesters

*Herunder beskrives det kort og generelt, hvad modulets faglige indhold består i, samt hvad baggrunden og motivationen for modulet er, hvilket vil sige en kort redegørelse for modulets indhold og berettigelse.*

*Hensigten er at skabe indsigt i det enkelte modul for den studerende og at skabe mulighed for at forstå modulet i forhold til det øvrige semester og uddannelsen som helhed.*

This project is the last project you will make in this education. The Master's thesis is the last element of your scientific education, with the aim to integrate and/or deepen previously acquired skills and to display the ability to perform scientific work.

### **Scope and expected performance**

*Forventninger om den konkrete udmøntning af modulets ECTS-belastning, hvilket omfatter antallet af konfrontationstimer, øvelsesarbejde, tid til forberedelse, eventuel rejseaktivitet med videre.*

The semester represents 30 ECTS.

Students are expected to spend roughly 900 hours in this semester on the project work, which includes preparation for and participation in status seminar, preparation for the examination and the examination itself. It is the responsibility of the student and/or group in cooperation with the supervisor to divide its time over the different phases in the project like for example literature search, study design, data collection, data analysis, interpretation of the results and writing.

### **Participants**

*Her angives deltagerne i modulet, det vil sige først og fremmest en angivelse af deltagere, hvis der er flere årgange/retninger/samlæsning. Hvis der er tale om valgfag, angives den/de pågældende studieretning(er).*

4<sup>th</sup> semester master Sports Science Technology.

### **Prerequisites for participation**

*Herunder beskrives den studerendes forudsætninger for at deltage i kurset, det vil sige eksempelvis tidligere moduler/kurser på andre semestre etc. Beskrivelsen er overvejende beregnet på at fremhæve sammenhængen på uddannelsen. Dette kan eventuelt være i form af en gengivelse af studieordningsteksten.*

Knowledge, skills and competences corresponding to 1st, 2nd and 3<sup>rd</sup> semester of the Master's programme in Sports Technology.

### **Module activities (course sessions etc.)**

It is recommended to submit your Master thesis as a journal paper formatted according to the current criteria for scientific publications within natural sciences in order to disseminate the central aspects of the project work, together with supplementary materiel that support and elaborate important elements reported in the journal paper. This is not a requirement but a recommendation based on previous good experiences and in order to accommodate the learning objective, to apply scientific methods and tools to research within the chosen area of knowledge.

Please also see [the study board's definition of a project report](#) (in Danish)

### **Examination**

Project exams are held according to [Vejledning for projekteksamen på SUND](#) as to the form. The content is based on the learning objectives from the curriculum and the interpretation of those in the semester description.

Further information including exam dates is available at the exam web page:

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