

Semester Description of Study Programme at Aalborg University

Semester description for 3rd semester, Master in Sports Technology, Autumn 2019

Semester details

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

The theme of the third semester is "Application of Scientific Methods in Sports Technology". In this semester, you get the possibility to get experience in applying scientific methods and/or performing scientific experiments related to Sports Technology at Aalborg University or in a company or another university in Denmark or abroad. This empowers the acquired skills from the previous semesters to new applications or fields.

Semester organisation and time schedule

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.
For all the latest information, you are expected to follow Moodle and read your university e-mail.

Semester coordinator and secretariat assistance

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

Semester coordinator: Mark de Zee, mdz@hst.aau.dk, Department of Health, Science and Technology
Semester secretary: Berit Lund Sørensen, blc@hst.aau.dk, School of Medicine and Health
Student representative: Please check semester details on Moodle.

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

Application of Scientific Methods in Sports Technology
30 ECTS project module

Location

Master, Sports Technology, 3rd semester
Study board for Health, Technology and Sports Science

Module coordinator

Mark de Zee, mdz@hst.aau.dk, Department of Health, Science and Technology, together with the supervisors of each group.

Type and language

Project module. In general, the project-report will be written in English.

Objectives**From Curriculum:**

Students who complete this project module:

Knowledge

- Have knowledge of instrumentation and physical performance as well as interplay between the athlete and equipment
- Can reflect on this knowledge on a scientific basis

Skills

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

Competences

- Can choose technologies, record, analyse and evaluate real and/or simulation results in relation to sports technology
- Can initiate and perform collaboration with relevant partners within the discipline
- Are able to take responsibility for their own professional development

Academic content and conjunction with other modules/semesters

To give the student experience in applying scientific methods or performing scientific experiments related to Sports Technology at a University Department or in a company in Denmark or abroad. With this project, the student will be able either to broaden and/or to deepen his or her experience in a specific research area.

Scope and expected performance

30 ECTS.

Each student is expected to spend appr. 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

3rd semester master Sports Science Technology.

Prerequisites for participation

N/A

Module activities (course sessions etc.)

The supervisors for this project module are active researchers from the department of Health Science and Technology (HST) and the department of Materials and Production (MP).

It is recommended to submit your report 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 material that support and elaborate important elements reported in the journal paper and document the fulfilment of the learning objectives for this module.

Examination

The project exam is held according to "[Guide to group based project exams](#)" as regards to the form. The examination is based on the learning outcomes from the curriculum and the interpretation in the semester description.

Further, the exam plan is available at www.smh.aau.dk.