Courses offered

- Courses offered by the departments
- Doctoral Orientation Days
- Information security and data protection for students at Aalto University
- Research ethics for doctoral students, LC-L1010 (2 ECTS)
- Transferable skills and competences
  - Self-study courses on transferable skills
  - Scientific writing and communication
  - Pedagogical studies
  - Project management and research funding
  - Entrepreneurship
  - Career planning and competence development

Courses offered by the departments

- Department of Applied Physics
- Department of Computer Science
- Department of Industrial Engineering and Management
- Department of Neuroscience and Biomedical Engineering
- Department of Mathematics and Systems Analysis

Search for current courses - the Aalto University course catalogue

Courses at Aalto University - MyCourses (all courses) and School of Science courses in MyCourses

Doctoral Orientation Days

- Joint orientation for all Aalto new doctoral students
- Organized in September, January and June. Invitation to the event will be sent separately. Next orientation 2.–3.6.2021.
- Online material in MyCourses

Information security and data protection for students at Aalto University

Information security and data protection are important aspects of cyber security. Cyber security risks are also valid and recognized in Aalto. Students need to know how to stay protected from phishing attempts and digital threads and to ensure important files, like thesis stay secured.

Student’s information security and data protection online material can be accomplished either in English, Finnish or Swedish.

Research ethics for doctoral students, LC-L1010 (2 ECTS)

- An online course including two compulsory workshops for doctoral students at Aalto University.
- Recommended for first or second year doctoral students
- The course is organized two times during the academic year 2020-2021

Transferable skills and competences

Self-study courses on transferable skills

Self-study courses for doctoral students provided by the Finnish Doctoral Education Network.

- Open Science, LC-L1011 (1 ECTS)
- Business Skills for Doctoral Students, LC-L1012 (1 ECTS)
- Career Course for Doctoral Students, LC-L1013 (1 ECTS)
- Interactive Leadership Skills for Doctoral Students, LC-L1014 (1 ECTS)
- Project Management for Doctoral Students, LC-L1015 (1 ECTS)
- Writing Research Grant Applications for Doctoral Students, LC-L1016 (1 ECTS)
- Research Ethics (1-2 ECTS). This is also provided as a normal course with teacher Henriikka Mustajoki twice a year.

Although the courses are completed as independent study, it is recommended that you start in the beginning of each semester to be able to schedule the joint coursework simultaneously with other Aalto doctoral students. You can access the courses through HAKA login with your Aalto access codes but you need an access code to enroll on a course. Please contact Minna Söderqvist (minna.soderqvist@aalto.fi) to obtain the access details as well as to inform her once you have completed all the exercises to obtain your study credits (ECTS).
Scientific writing and communication

- Aalto University Communication courses for doctoral students offered by the Language Centre
- Please note: Courses in Finnish for international students cannot be included in the doctoral degree
- Nervous about a conference presentation or a speech? Check out the Aalto University Speech Clinic
- Need help with academic writing in English? Check out the Aalto University Writing Clinic

Writing scientific journal articles - lecture for doctoral students

- Organized two times a year, next time in autumn 2020

The lecture takes a hands-on approach to academic writing. It provides young researchers and doctoral students, in particular in the field of industrial engineering and management, with an understanding of how to write peer-reviewed scientific journal articles. This lecture will be organised in two online sessions.

Contents

- Practical tips for writing scientific articles based on experiences from the field of industrial engineering and management
- Improving chances for acceptance
- Article logic, beginning and end
- Editor's viewpoints
- Group dynamics for writing articles
- Discussion

Lecturer

Dr Pekka Belt obtained his PhD in industrial engineering and management from the University of Oulu, Finland, in 2009. He has extensive industrial experience from several electronics enterprises, covering company functions from technology development to international marketing. He has also given lectures and courses in many Finnish universities for doctoral students on writing doctoral theses and scientific articles.

Writing the compiling part of an article thesis - lecture for doctoral students

- Organized two times a year, next time in autumn 2020

The lecture provides practical advice for doctoral students on how to write the compiling part of an article thesis effectively. It will help doctoral students in understanding the role of separate articles and the thesis as a whole. The lecture will be organised in two online sessions.

Contents

- Structure of an article thesis
- Perceiving the whole created by the articles
- General quality requirements and forms of theses
- Publication process
- Optimal order of writing
- Schedule for writing the compilation

Lecturer

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Pedagogical studies

- Pedagogical training in Aalto (requires Aalto password).
- Pedagogical studies can be included in the Scientific practices and principles -module. Doctoral students can take individual courses or a module up to 25 ECTS. In this case, the maximum amount of 20 ECTS in Scientific practices and principles -module can be exceeded. (Doctoral Programme Committee 21.8.2012).
- Take a look at https://unips.fi/ It is a digital learning solution for university teachers and doctoral students to study university pedagogy. The pages contain e.g. modules for self-study on all kinds of topics related to teaching.

Project management and research funding

- More information about future events and trainings (requires Aalto password).

Entrepreneurship

- Aalto Ventures Program (AVP) offers courses in entrepreneurship. Doctoral students are welcome to join the courses.
- Entrepreneurship and start-ups in Aalto University.
- EIT Digital Innovation and entrepreneurship (I&E) program for doctoral students in the field of ICT gives knowledge and competences to start new businesses and to launch new products and services.
Career planning and competence development

- HR offers support for career planning and competence development through workshops and other events (requires Aalto login)