Courses offered

Courses and lectures

- Courses at Aalto University - MyCourses (all courses) or School of Engineering courses in MyCourses
- Search for current courses - the Aalto University course catalogue
- Trainings and events at Aalto
- Newsletters and email lists

Doctoral Orientation Days

- Joint orientation for all Aalto new doctoral candidates
- Organized in September, January and June, next time 1.-2.6.2022.
- Online material in MyCourses

Orientation course

Orientation course for doctoral candidates is organized once a year. Next course will take place Spring 2022.

A!ENG Research Lab – a course on science, research & scientific writing

A!ENG RESEARCH LAB

A course on doctoral research & scientific writing

A!ENG Research Lab is designed for Aalto’s doctoral candidates in their early stage of doctoral research. It introduces the doctoral process, the research principles, and the scientific writing. The course focuses on ways of conducting quality research, managing work and time and publishing in peer-reviewed journals of your field. It is also a platform to share your thesis and to meet and get support from peer doctoral candidates conducting research at Aalto.

The course will be held in the fifth study period on 13.4.- 1.6.2022 and covers 3 credits (ECTS). You can take the course without the scientific writing seminar, which then covers 2 credits. Lecturers from different backgrounds will hold sessions on topics including doctoral thesis process, scientific methods, research methodology, career and Well-being, scientific writing, planning and managing research and time.

Scientific Writing Seminar

The Scientific Writing Seminar is included in A!ENG Research Lab course, yet it can also be taken separately from the course, which then covers 1 credit. The importance of scientific writing and motivation behind writing and publishing scientific papers will be discussed in the seminar. Professor Emeritus Bengt Lundberg from Uppsala University will hold the seminar.

Course code: ENG-LV A!ENG Research Lab

Course page in MyCourses: Course: ENG-LV - Course with Varying Content, V D, Lectures, 13.4.2022-1.6.2022 (aalto.fi)

Enrolment in SISU: Sisu Student Tools (aalto.fi)

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

- Open Learning course on research ethics: https://findocnet.fi/course/view.php?id=137. To access this course, you need a password which you can obtain from the university's doctoral education services staff (minna.soderqvist@aalto.fi and tiina.kotti@aalto.fi).
- An online course including two compulsory workshops for doctoral students at Aalto University.
- Recommended for first or second year doctoral candidates
- Compulsory course from 1 August 2022

The course is organized two times during the academic year 2021-2022, 4. - 29.10.2021 (workshops on 11.10. at 14-18 and 18.10. at 14-18) and 7.3. - 4.4.2022 (workshops on 10.3. at 14-18 and 17.3. at 14-18).

Open Science

- Open learning course on Open science: https://findocnet.fi/course/index.php?categoryid=47. To access this course, you need a password which you can obtain from the university's doctoral education services staff (udes@aalto.fi).

Scientific writing and communication

- Courses for doctoral candidates offered by the Language Centre
  - Please note: Courses in Finnish for international students cannot be included in the doctoral degree
  - Courses in Research writing, presentation skills (In English) / more info: susan.gamache@aalto.fi
Presenting Doctoral Research – A practical course in preparing for an upcoming conference or seminar presentation

Preparing for the Doctoral Defence - Support for presenting and defending your research

Popularize your Research - Communicating your research to popular audiences in spoken and/or written form

Writing Doctoral Research for Engineering and Science – A practical course to improve your writing-in-progress

Communication Skills – Presentations and speeches, group communication and much more

Public speaking skills – Public speaking is interaction!

Impact and argumentation – Debates, argumentation and positive atmosphere

Conference Presentations – A short and practical presentation skills course

Communication (in English) / more info: rinna.toikka@aalto.fi

Communication Skills – Presentations and speeches, group communication and much more

Communication Skills – Presentations and speeches, group communication and much more

Impact and argumentation – Debates, argumentation and positive atmosphere

Conference Presentations – A short and practical presentation skills course

Courses in Intercultural Communication (in English) / more info: yoonjoo.cho@aalto.fi

Intercultural Communication - Conceptualising culture, intercultural stereotyping, nonverbal communication and more!

Teamwork and Leadership in the 21st Century - Leadership and culture, discursive leadership, team leadership and leadership ethics

Developing Intercultural Competence - Theoretical understanding and practical application of intercultural competence

Viestintä ja vuorovaikutustaidot – Monipuolinen viestinnän kurssi: esiintymistä, ryhmäesiintymistä ja paljon muuta

Esiintyminen on vuorovaikutusta!


Vaikuttaminen ja argumentointi – Vaihtelijä ja kiivalti keskustelijajä hyvässä hengessä

Työelämän vuorovaikutusosaaminen – Ryhmät, tiimit, yhteisöt… konfliktit ja yhteistyö

Vaikuttaminen ja argumentointi – Vaihtelijä ja kiivalti keskustelijajä hyvässä hengessä

Johtamisviestintä – Millaisista vuorovaikutusta johtaminen on ja millaisista osaamista tarvitaan?

Neuvottelutaito – Neuvottelu on yhteistyötä!

Kooperointi – Työympäristö ja yhteistyö

Kooperointi – Työympäristö ja yhteistyö

Erityiskurssit tohtoritutkijoiille / Lisätiedot Sonja.kniivila@aalto.fi

LC-L1017 – Asiastyöntijäesiintymisen vaatimukset ja kehittäminen

LC-L1018 – Yhteistyö ja yhteistyötä – vuorovaikutustaitoa

Services for doctoral students

writing clinic – book a free session and get individual tutoring to help you improve as a writer when writing a dissertation or a journal article in English / more info: anya.siddiqi@aalto.fi

speech clinic - book a session and practice presentations, speeches, lectures… available in Finnish and in English / more info: rinna.toikka@aalto.fi

Writing scientific journal articles

4-hour lecture for doctoral candidates

Services for doctoral students

Organized 1-2 times a year in the end of the spring and/or autumn terms

The lecture provides new doctoral candidates with basic understanding of how to write scientific journal articles. The lecture will motivate doctoral candidates to start writing sooner. After the lecture the doctoral candidates will understand what is required from a scientific article and what the related publishing processes entail. The doctoral candidate will know how to approach and write a scientific journal article effectively.

Contents

Practical tips for writing scientific articles

Improving chances for acceptance

Article logic, beginning and end

Editor's viewpoints

Group dynamics for writing articles

Discussion

Lecturer

Dr. Pekka Belt
Writing the compiling part of an article dissertation

- Organized 1-2 times a year

A 4-hour lecture for doctoral candidates at Aalto University.

The lecture provides doctoral candidates with an understanding of writing an article dissertation effectively once the related articles have been written. The lecture will help doctoral candidates in understanding the role of the separate articles and the dissertation as a whole. After the lecture doctoral candidates will know what is required from an article dissertation and how to reach the goal as efficiently as possible while maintaining high standards. Doctoral candidates will have a good perception of the dissertation requirements and structure.

Contents

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

Lecturer
Dr. Pekka Belt.

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 threats 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.

Pedagogical studies

- Pedagogical training in Aalto (requires Aalto password).
- Pedagogical studies can be included in the Scientific practices and principles -module. Doctoral candidates can take individual courses or a module up to 15 ECTS.
- Take a look at https://unips.fi/: It is a digital learning solution for university teachers and doctoral candidates 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

- Aalto Project Management for Doctoral Students D, LC-L1015 (1ECTS): [https://findocnet.fi/enrol/index.php?id=154](https://findocnet.fi/enrol/index.php?id=154). To access this course, you need a password which you can obtain from the university's doctoral education services staff (udes@aalto.fi)
- 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.
- Aalto Business Skills for Doctoral Students D, LC-L1012 (1ECTS). To access this course, you need a password which you can obtain from the university's doctoral education services staff (udes@aalto.fi).

Career planning and competence development

- HR offers support for career planning and competence development through workshops and other events (requires Aalto login)
- Aalto Career Course for Doctoral Students D, LC-L1013 (1ects). To access this course, you need a password which you can obtain from the university's doctoral education services staff (udes@aalto.fi).
Writing the doctoral thesis

**Theses and Tomatoes**

Are you feeling stuck with your thesis? Or are you just finding it hard to get into a routine with working on your thesis? Maybe you are unsure of what the next step should be or how to get started on a new chapter? Do you feel lonely in your thesis work? Would you like to work in a shared space with others in the same situation? There is no enrolment needed, just join us and get your thesis moving. The event is intended for doctoral students (although other academic staff is also welcomed) at Aalto University.

More information and the zoom-link here: [https://into.aalto.fi/display/enopisk/Courses+and+workshops+for+students](https://into.aalto.fi/display/enopisk/Courses+and+workshops+for+students)

**Leadership**

- Aalto Interactive Leadership Skills for Doctoral Students D, LC-L1014 (1ects): [https://findocnet.fi/enrol/index.php?id=153](https://findocnet.fi/enrol/index.php?id=153). To access this course, you need a password which you can obtain from the university’s doctoral education services staff (udes@aalto.fi).

**Writing grant applications**

- Aalto Writing Research Grant Applications for Doctoral Students D, LC-L1016 (1ects). To access this course, you need a password which you can obtain from the university's doctoral education services staff (udes@aalto.fi).

**Help during your doctoral studies**

**PhD Pathfinder - Guiding you on your PhD journey (mariatornroos.fi)**

Audio podcasts can be found also from aalto.fi with the search words "maria törnroos"

**Get together for doctoral students and supervising professors**

Get together for doctoral students and supervising professors is organized once a year, in spring term.

25th May, 2018, at 8.30-12.30 at Dipoli, Palaver, Otakaari 24

**Programme**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 – 9:00</td>
<td>Coffee and Tea</td>
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<tr>
<td>9:00 – 9:15</td>
<td>Opening of the get together by the Dean Gary Marquis</td>
</tr>
<tr>
<td>9:15 – 9:35</td>
<td><strong>A breath of fresh air: How research can help you fall in love with your dayjob again, DSc(Tech) Kenneth Dooley</strong></td>
</tr>
<tr>
<td>9:35 – 9:55</td>
<td>Go with the flow - or not: My path to doctoral thesis, DSc(Tech) Tero Niemi</td>
</tr>
<tr>
<td>9:55 – 10:05</td>
<td>&quot;Aallonhuiput&quot; presentation, President Tilman Bauer and Advocacy Officer Pascale Blyth</td>
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<tr>
<td>10:05 – 10:15</td>
<td><strong>Break</strong></td>
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<tr>
<td>10:15 – 10:45</td>
<td>Building your brand in the job market, HRD Specialist, Recruitments Anna Lehtinen</td>
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<tr>
<td>10:45 – 11:00</td>
<td>Ongoing issues about doctoral studies and graduated doctors’ feedback 2017, discussion, Head of Doctoral Programme of Engineering Harri Koivusalo</td>
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<tr>
<td>11:30 – 12:30</td>
<td>Free lunch</td>
</tr>
</tbody>
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10th May, 2019, at 11:30 – 15:00, Dipoli, Palaver, Otakaari 24

**Programme**

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<td>Free lunch at Palaver</td>
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<td>Opening of the get together by the Dean Gary Marquis</td>
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<tr>
<td>12:30 – 12:45</td>
<td><strong>Failures and findings - my steps to dissertation, DSc(Tech) Salla</strong></td>
</tr>
<tr>
<td>12:45 – 13:00</td>
<td>Research is seldom a 9-to-5 job – entrepreneurial approach to doctoral studies, DSc(Tech) Raine Viitala</td>
</tr>
<tr>
<td>13:00 – 13:15</td>
<td>&quot;Aallon huiput&quot; presentation, Vice President Abdollah Noorizadeh and doctoral student Pascale Blyth</td>
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<tr>
<td>13:15 – 13:30</td>
<td>ACRIS, open access and open data, Information Specialist Taija Tuoresjärvi, Research and Innovation Services</td>
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<tr>
<td>13:30 – 13:35</td>
<td><strong>Break</strong></td>
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<tr>
<td>13:35 – 14:05</td>
<td>Personal Development as a target, HRD Specialist Rikka Rissanen</td>
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<tr>
<td>14:05 – 15:00</td>
<td>Ongoing issues about doctoral studies and graduated doctors’ feedback 2018, discussion, Head of Doctoral Programme of Engineering Harri Koivusalo</td>
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