

# CHEM-E0105

# Academic Learning Community

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## Session 1: Kick-Off

Kyösti Ruuttunen  
14/09/2020



Aalto University  
School of Chemical  
Engineering



# Today's Agenda

**8:30 Welcome to the course! (Kyösti)**

**8:50 Presenting Scientific Article Exercise (Riikka)**

**8:55 Presenting important course topics (Kyösti)**

**9:10 Quality assurance of education and learning (Jouni)**

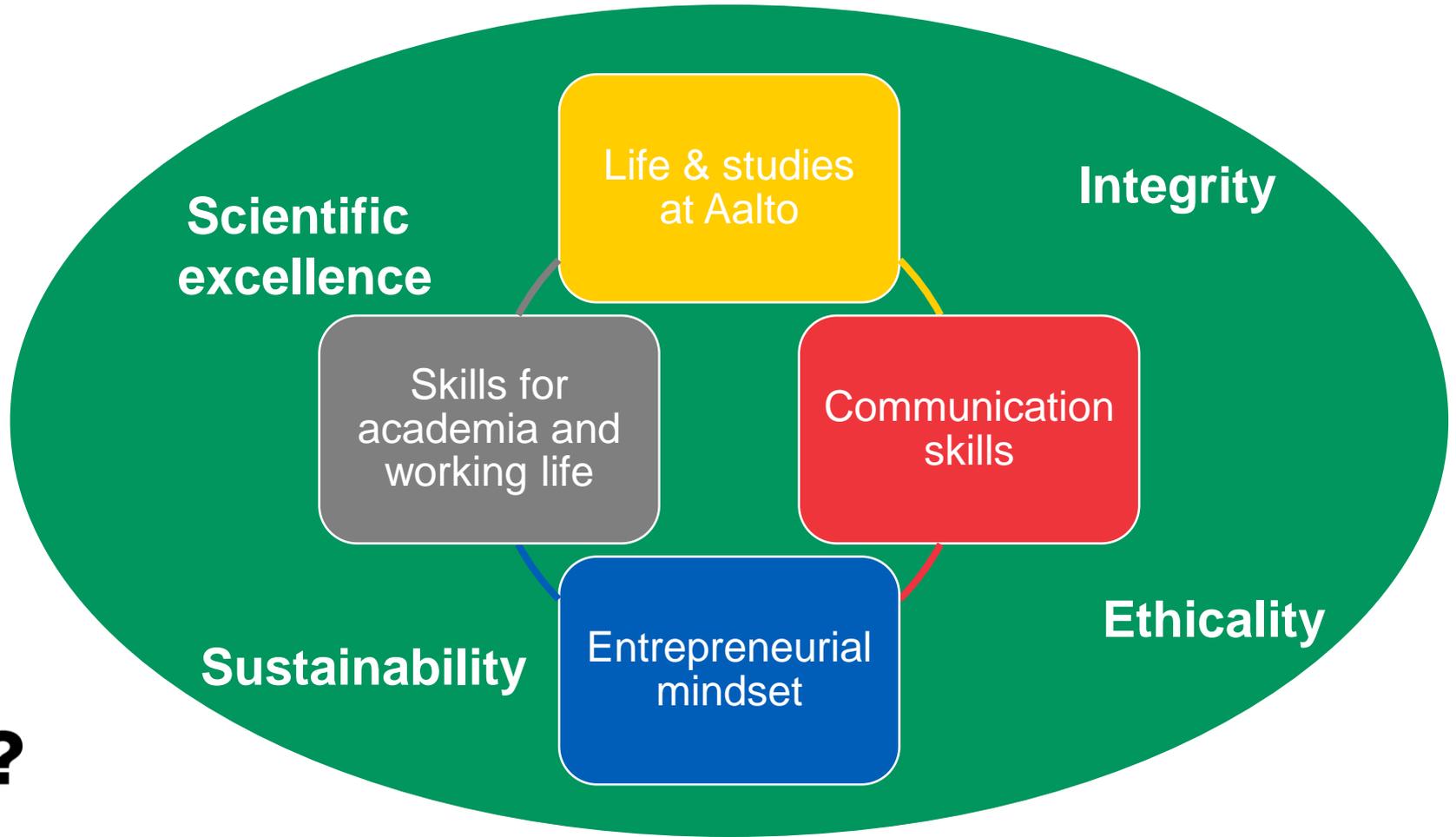
**9:30 Aalto Code of Conduct (Anni)**

**10:00 The session ends**

# Course Events & Schedule

<b>Orientation week</b> 2.-6.9.2020	<b>Period I</b> 7.9.-23.10.2020	<b>Period II</b> 26.10.-11.12.2020	<b>Period III</b> 11.1.-26.2.2021	<b>Period IV</b> 1.3.-16.4.2021	<b>Period V</b> 19.4.-4.6.2021
Major-Specific Orientation Tue 3.9. or Wed 4.9.	Matlab module Mon 7.9.	Academic Advising Personal Meeting Weeks 44-45, 2020	Scientific Article Exercise Workshop Mon 11.1.	Master's Thesis Review Exercise DL Sat 20.3.	Major-Specific Feedback Sessions II Weeks 16 & 17, 2020
Practical Information for International Students Tue 1.9.	Ethical Rules Mon 14.9.	Communication Exercises Weeks 47-49	Major-Specific Feedback Sessions I Week 3, 2021	Entrepreneurial Mindset Workshop Mon 22.3. Mon 29.3.	<i>For everyone</i>
IT services Fri 4.9.	Study Skills Mon 21.9.	Communication Exercises DL Dec. 2020	Scientific Article Exercise DL Sat 6.2.	Academic Advising Personal Meeting Weeks 13-14, 2021	<i>For students outside of Aalto CHEM</i>
Laboratory Safety Exam (online)	Aalto Talent Expo Virtual Week, 5.-9.10.		Master's Thesis Review Workshop Mon 8.2. Mon 15.2.	Entrepreneurial Mindset Exercise DL April, 2021	<i>Elective module (1 ECTS)</i>
	Career Planning Exercises, Mon 5.10.				<i>Deadlines</i>

# Course Contents



**A?**

# Intended Learning Outcomes

After the course the student can

- **adopt the code of conduct of the academic community**
- **set personal goals for effective learning and skills development**
- **communicate and collaborate in a multicultural and multidisciplinary learning environment**
- **identify opportunities for academic entrepreneurship and career development**
- **work safely in laboratory and conduct the principles of scientific research and communication**

Life & studies  
at Aalto

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Communication  
skills

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Entrepreneurial  
mindset

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Skills for  
academia and  
working life

# Detailed Course Schedule

Period I: 2.9.–23.10.2020

Event (date)	Students' tasks (DL)
<i>Orientation week<sup>(a)</sup> (2.-6.9.)</i>	<i>Attendance</i>
Major-specific orientation (3. or 4.9.)	Attendance or essay (ask Planning Officer)
<u><i>Matlab module<sup>(b)</sup> (7.-22.9.)</i></u>	<i>Tutorials &amp; homework (18. and 25.9.)</i>
Study session 1: Ethical rules (14.9.)	Attendance, quiz 1 (opens after session)
Study session 2: Study skills (21.9.)	Attendance, quiz 2 (opens after session)
Aalto Talent Expo Virtual Week (5.-9.10.)	Planning, attending, questionnaire (TBA)
<u><i>Career planning exercises<sup>(b)</sup> (5.10.)</i></u>	<i>Study sessions, online exercises (30.1.)</i>

<sup>a)</sup>One credit awarded to non-Aalto bachelors

<sup>b)</sup>Elective one-credit modules

Different colours represent the different topics covered during the course (see slide 4)

# Detailed Course Schedule

*Period II: 26.10.–11.12.2020*

Event (date)	Students' tasks (DL)
Academic advising personal meeting (weeks 44-45)	Attendance
Communication skills (weeks 47-49)	Workshops, exercise (TBA)

Different colours represent the different topics covered during the course (see slide 4)

***Workload: 0.6 cr.***

# Detailed Course Schedule

*Period III: 11.1.–26.2.2021*

Event (date)	Students' tasks (DL)
Study session 3: Scientific Article Exercise (SAE; 11.1.)	Quiz 3 (opens after session); SAE exercise (6.2.)
Major-specific feedback session (week 3)	Attendance or an exercise (TBA)
Study session 4: M.Sc. Thesis workshop 1 (8.2.)	Quiz 4 (opens after session)
Study session 5: M.Sc. Thesis workshop 2 (8.2.)	Quiz 5 (opens after session); Master's thesis review (20.3. – Period IV)

Different colours represent the different topics covered during the course (see slide 4)

***Workload: 1.2 cr.***

# Detailed Course Schedule

*Period IV: 1.3.–16.4.2021*

Event (date)	Students' tasks (DL)
Study session 6: Entrepreneurial mindset 1 (22.3.)	Exercise (TBA)
Study session 6: Entrepreneurial mindset 2 (29.3.)	Exercise (TBA)
Academic advising personal meeting (weeks 13 -14)	Attendance

Different colours represent the different topics covered during the course (see slide 4)

***Workload: 0.6 cr.***

# Detailed Course Schedule

*Period V: 19.4.–4.6.2021*

Event (date)	Students' tasks (DL)
Major-specific feedback session (weeks 16-17)	Attendance or an exercise (TBA)

Different colours represent the different topics covered during the course (see slide 4)

***Workload: 0.1 cr.***

# Total Workload

*Minimum workload for the course is either three or four credits*

Student's background	Orientation week & Period I	Period II	Period III	Period IV	Period V	TOTAL
Aalto B.Sc.	0.5 cr. (14 h)	0.6 cr. (16 h)	1.2 cr. (32 h)	0.6 cr. (16 h)	0.1 cr. (3 h)	3 cr. (81 h)
Non-Aalto B.Sc.	1.5 cr. (41 h)	0.6 cr. (16 h)	1.2 cr. (32 h)	0.6 cr. (16 h)	0.1 cr. (3 h)	4 cr. (108 h)

*Combined with the elective modules, it is possible to earn up to 5 cr.*

Elective modules	Period I	Period II	Period III	Period IV	Period V	TOTAL
Matlab	1 cr. (27 h)	-	-	-	-	1 cr. (27 h)
Career planning	1 cr. (27 h)			-	-	1 cr. (27 h)

# Aalto Talent Expo Virtual Week 5<sup>th</sup> – 9<sup>th</sup> of October

**Come and meet the employers in JobTeaser during the Aalto Talent Expo Virtual Week event! Explore the virtual stands & open job ads of exhibitors.**

**Included in the program:**

- **1:1 & group video meetings with exhibitors**
- **Live Chat sessions with exhibitors**
- **Webinars**
- **CV & LinkedIn clinic**
- **Portfolio Review**
- **Speed Mentoring**
- **...and more!**

Full program and more detailed information about the event can be found in JobTeaser: <https://aalto.jobteaser.com/>.

The Virtual Stands and registration to the program opens two weeks prior to the event, on September 21, 2020.

# Code of Conduct – Why?

- Integrity and high ethical standards are especially important in science and research
  - Finnish National Board of Research Integrity, <https://www.tenk.fi/en>
- Everyone must be able to study and work without experiencing harassment or bullying
- **Aalto Code of Conduct – *Aallon tapa toimia – Sätt att agera***
  - <https://www.aalto.fi/en/aalto-university/code-of-conduct>
  - <https://www.aalto.fi/fi/aalto-yliopisto/aallon-tapa-toimia>
  - <https://www.aalto.fi/sv/aalto-universitetet/satt-att-agera>



# Skills for academia and working life – Why?

The better the students can describe their skills and competences, the better their employability

- Self-efficacy beliefs also important

Multitude of students are employed by the company for which they did their thesis work

Tuononen T. *et al.* in *Higher Education Transitions*, 2017, pp. 238-253  
Aalto CHEM study guide, <https://into.aalto.fi/display/encbme/Curriculum+2020-2022>  
(accessed 9/9/2020)

Academic Learning Community (3 - 5)

Major studies (60 cr)

Master's thesis (30 cr)

Electives (25 - 27 cr)

# Academic Advising – What Is It?

## Objectives

### 1. Conduct discussion about studies and career options

- hear opinions and ideas from an experienced person
- discuss different possibilities

### 2. Give and get feedback

### 3. Integrate students into university community

### 4. Facilitate the interaction between students and academic staff

### 5. Increase students' motivation and study progress as well as support students at every stage of their studies.

*Some of the students do still want meetings even if they have graduated...*

*I think it is just the fact that my advisor listened to everything and she didn't make it difficult to talk to her.*

# Academic Advising as a Part of This Course

You all have an academic advisor, who is a faculty member

- If you do not know who your advisor is, get into contact with your major's planning officer

You are supposed to have two personal meetings with your advisor during this study year

- Autumn 2020: weeks 44-45 (October 26<sup>th</sup> – November 6<sup>th</sup>)
- Spring 2021: weeks 13-14 (March 29<sup>th</sup> – April 9<sup>th</sup>)

According to the feedback, advising is important and liked by both the students and the staff

- Interaction and openness are the key!
- The advising meetings are confidential

*The meetings allowed me to understand better each student's situation.*

*I liked discussing future aspects and some problems faced as an international student.*

*Very good concept! Good to have a person assigned to you so you know who to ask when you need help with something.*

*Let's make  
this the  
best course  
ever!*

**A!** Aalto University  
School of Chemical  
Engineering

Photo: Kitty Norros

**A!**

Aalto University

