

Lecturer in Unit Operations and Processes Aalto University

Direct Link: <https://www.AcademicKeys.com/r?job=258101>

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Posted Jun. 10, 2025, set to expire Dec. 31, 2025

Job Title Lecturer in Unit Operations and Processes
Department T106 Chemical and Metallurgical Eng
Institution Aalto University
, , Finland

Date Posted Jun. 10, 2025

Application Deadline Open until filled
Position Start Date Available immediately

Job Categories Lecturer/Instructor

Academic Field(s) Bioengineering (all Bio-related fields)
Chemical/Petroleum

Job Website https://aalto.wd3.myworkdayjobs.com/aalto/job/Otaniemi-Espoo-Finland/Lecturer-in-Unit-Operations-and-Processes_R43457

Apply By Email

Job Description

Aalto University is where science and art meet technology and business. We shape a sustainable future by making research breakthroughs in and across our disciplines, sparking the game changers of tomorrow and creating novel solutions to major global challenges. Our community is made up of 13 000 students, 400 professors, and more than 4 500 other faculty and staff working on our dynamic campus in Espoo, Greater Helsinki, Finland. Diversity is part of who we are, and we actively work to ensure our community's diversity and inclusiveness. This is why we warmly encourage qualified candidates from all backgrounds to join our community.

The School of Chemical Engineering is one of the six schools of Aalto University.
[url=https://www.aalto.fi/en/departments-of-chemical-and-metallurgical-engineering]Department of Chemical and Metallurgical Engineering focuses on sustainable utilization of raw materials, designing

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and developing more efficient processes for new materials and products. We as chemical engineers contribute to the future society with sustainable processes enabling circular economy and bioeconomy.

We are now looking for a

Lecturer in Unit Operations and Processes

Chemical Engineering is one of the most essential disciplines for our life quality and is indispensable for green transition and sustainable use of natural resources. Unit operations and processes are among the core disciplines within Chemical Engineering. Ability to understand and apply chemical engineering principles in various unit operations, separation and purification technologies, and other related process units is elemental in various industrial fields, such as chemical, petrochemical, fine chemical, pulp and paper, and metallurgical industries. In Finland, Aalto University is one of the leaders when applying these skills and educating future experts to support our society. We have a relatively generic BSc program for all Chemical Engineering students, and a recently renewed MSc program specifically for Chemical and Metallurgical Engineering. The present lecturer position is hosted at The Department of Chemical and Metallurgical Engineering, which has a unique profile in Finland with faculty members whose expertise and research activities encompass the entire engineering discipline supporting research and education within chemical and metallurgical industries. To further strengthen our position as the top university in Finland within Chemical Engineering, we are looking for a lecturer to support our educational offer on unit operations and processes.

Your role and goals

We are looking for a motivated University Teacher, University Lecturer or Senior University Lecturer. The Aalto lecturer career system consists of four levels depending on qualifications and experience, and this recruitment is opened for applicants at first three levels. Please see more information on the lecturer career system: [url=<https://www.aalto.fi/en/teaching-and-learning/lecturer-career-system>]<https://www.aalto.fi/en/teaching-and-learning/lecturer-career-system>. The job is located in Otaniemi (Espoo) on the Aalto University campus.

Your tasks will include teaching in courses at Bachelor's and Master's level, including laboratory courses. Active support on the implementation of good laboratory practices and safety guidelines is also needed. The tasks also include development and planning of the study programs. Lecturers may also be involved as thesis advisors at all levels, including Doctoral education. The emphasis of this position is on teaching, but your work would also include a research element, as lecturers are expected to conduct research activities and follow up the development of their own field.

Your experience and ambitions

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The candidate should have the following: * Doctoral degree in the relevant field. These are for example Chemical, Process or Metallurgical Engineering. Prior knowledge of at least some relevant separation processes is necessary * Demonstrable teaching experience and/or supervising/instructing experience * Pedagogical skills: Pedagogical studies are considered as merit at University teacher level whereas certain amount of studies is required at University lecturer or Senior University Lecturer level. More information: [[url=https://www.aalto.fi/en/teaching-and-learning/lecturer-career-system](https://www.aalto.fi/en/teaching-and-learning/lecturer-career-system)]<https://www.aalto.fi/en/teaching-and-learning/lecturer-career-system> * Excellent written and oral communication skills in English and ability to teach also in Finnish

In addition, the following are considered assets: * Knowledge of the Finnish university education system * Formal pedagogical training * Ability to develop teaching and learning * Experience on instruction or supervision of B.Sc, M.Sc. or D.Sc Thesis * Scientific publishing in the field or topics of teaching or in pedagogy/education * Interest on curriculum development, including e-learning and life-wide learning

The tasks in this position will include both large BSc level courses (mainly in Finnish) as well as more specialized MSc level courses. Research and industrial merits will also be taken into account in the selection process.

A successful candidate should be able to teach topics such as: * Heat and mass transfer as well as basics of fluid flow * Basic thermodynamics and phase equilibria * Separation process principles, including but not limited to distillation, extraction, absorption, evaporation, washing, crystallization and membrane separations * Process modeling and flow-sheeting, use of relevant process simulation tools * Experimental laboratory work related to courses * Project-based courses including networking and interaction with industrial partners

What we offer

The selected candidate will be offered a permanent position in the lecturer career system. Our facilities are located at Aalto University Otaniemi campus in Espoo, Finland.

Salary is determined according to the salary system of Aalto University, and it is based on the applicant's experience and qualifications.

The employment contract includes occupational health care, and Finland has a comprehensive social security system. Aalto University provides excellent learning and development opportunities, and a commuter ticket benefit. Unisport offers versatile sports facilities and exercise services with a staff discount.

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Ready to apply?

If you want to join our community, please submit your application through our online recruitment system no later than 10.8.2025 by using the link on Aalto University's webpage ("Apply now"). If you are an Aalto employee, you should apply for the position via our internal HR system Workday (Internal Jobs) by using your existing Workday user account (not via the external webpage for open positions).

To apply, please include the following documents in English and pdf: * Motivation letter (1 page description of your motivation for applying for this position and why you would be a suitable candidate)

* CV - please use the [url=https://tenk.fi/en/advice-and-materials/template-researchers-curriculum-vitae]template recommended by The Finnish Advisory Board on Research Integrity. * Publication list *

Teaching portfolio (5-8 pages) according to Aalto University's guidelines - see

[url=https://www.aalto.fi/sites/g/files/flghsv161/files/2021-

01/Teaching%20competence%20assessment_Guidelines_for_candidate_2020_Aalto%20University_FINAL.p

portfolio guidelines for candidates * Statement on future research (max. 3 pages)

Please see further instructions for preparing the application documents here:

[url=https://www.aalto.fi/en/teaching-and-learning/lecturer-career-

system]https://www.aalto.fi/en/teaching-and-learning/lecturer-career-system

For more information, please contact the Professor Ville Alopaeus (ville.alopaeus@aalto.fi), or for questions related to the recruitment process, HR Partner Alice Björklund (alice.bjorklund@aalto.fi).

Want to know more about us and your future colleagues? You can watch these videos:

[url=https://www.youtube.com/watch?v=5k_og_6zUJQ]Aalto University - Towards a better world,

[url=https://www.youtube.com/watch?v=dUfEGVM-ZP8&feature=youtu.be]Aalto People, and

[url=https://www.youtube.com/watch?v=ZK6pDWm1_CE]Shaping a Sustainable Future. You can

also check out our webpage about Aalto and Finland: [url=https://www.aalto.fi/en/services/welcome-to-

aalto-university-and-finland-info-package]https://www.aalto.fi/en/services/welcome-to-aalto-university-

and-finland-info-package and check out our new virtual campus experience:

[url=https://virtualtour.aalto.fi/]https://virtualtour.aalto.fi/

About Finland

Finland is a great place for living with or without family - it is a safe, politically stable, and well-organized Nordic society. Finland is consistently ranked high in quality of life and was just listed again

as the happiest country in the world: [url=https://worldhappiness.report/news/its-a-three-peat-finland-

keeps-top-spot-as-happiest-country-in-world/]https://worldhappiness.report/news/its-a-three-peat-

finland-keeps-top-spot-as-happiest-country-in-world/. For more information about living in Finland:

[url=https://www.aalto.fi/en/careers-at-aalto/for-international-staff]For international staff | Aalto

University

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Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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