

Towards Sustainable Bioeconomy

Are you interested in bioeconomy, industrial biotechnology and green chemistry?

Are you considering to search for a job in industry after your academic studies?

If yes, here is a course you should join.

Towards bio-based Finland, 2 ECTS

KAB24007 (UTU)

TK00BS28-3003 (ÅAU)

April 20th-22nd 2021, fully online event

Registration latest April 13th via Nettiopsu (UTU) or Peppi (ÅAU)

If you are from other organization but would like to register, please contact the responsible teachers.

The course deals with basic concepts of sustainability, bioeconomy and circular economy. It gives an overview of current and potential bioeconomy in Finland, starting from biomass resources and advanced conversion technologies to national and EU strategies. Lectures are given by top experts from different fields in industry and academia and the course includes a virtual excursion to the Smart Chemistry Park, which is South Western Finland's technology innovation park largely devoted to bioeconomy and cleantech.

Academic lecturers

Eva-Mari Aro, University of Turku

Markku Kulmala, University of Helsinki

Henrik Grenman, Åbo Akademi University

Yagut Allahverdiyeva, University of Turku

Chunlin Xu, Åbo Akademi University

Pauli Kallio, University of Turku

Tekla Tammelin, FinnCERES Flagship

Mikko Pohjola, University of UTU

Industry lecturers

Maija Pohjakallio, Sulapac Ltd.

Lari Vähäsalo, CH Bioforce

Antoine Mialon, MetGen

Aino-Maija Lakaniemi, Neste Oy

Blanka Toukoniitty, Neste Oy

Elina Peltomaa, Algonomy

Linda Fröberg-Niemi, Smart Chemistry Park

The students are expected to keep a **learning diary** throughout the course and at the end of the course each student is assigned one of the topics to plunge into and to write a final report. The **in-depth essay** should describe the Finnish as well as global current situation, reflect on the future and include literature search.

The course lasts **three full days** and requires full attendance but in case of colliding events students need to be in contact with the responsible teachers in advance. More **detailed program** will be available soon in SmartBio web pages www.smartbio.fi as well as in Moodle. The course is intended for advanced Master students as well as for PhD students.

Responsible teachers: Prof. Yagut Allahverdiyeva (allahve@utu.fi)

Prof. Henrik Grénman (henrik.grenman@abo.fi)

