



# AU SUMMER UNIVERSITY 2019

INTEGRATED NUTRIENT MANAGEMENT

24 - 28 JUNE 2019

# INTEGRATED NUTRIENT MANAGEMENT

**In this course, you will learn about the practical integration of farmers, municipalities, farm companies, research, consultancy and legislation in the integrated management of agricultural systems and nutrients, in particular nitrogen.**

Based on excursions, sustainable management of nutrients to help agriculture reduce environmental impacts, are demonstrated via case studies in Western Denmark; a world leading region for integration between intensive farming, livestock production, soil and environmental protection, socio-economy and relationships to rural development. As a lead country in these matters, taking the course in Denmark will help the students to acquire new expertise, new perceptions and a holistic view of the management of nutrients at a global scale and with environmental concerns.

A series of environmental legislations called the Water Environment Plans (WEP) are used as a teaching tool to illustrate these complex issues. The WEP deals,

among other things, with the leaching of nutrients from agricultural fields into the aquatic environment. All important aspects of the WEP related to the course will be explored, and you will meet people who are associated with the WEP in different ways. The course is co-organized between the two leading life science Universities and graduate schools of Aarhus (Denmark) and Hokkaido (Japan), with professors from both universities, and the dNmark and NitroPortugal alliances as teachers. Moreover, a number of study excursions will be arranged so that you can visit the experimental fields and places where the WEP is implemented in practice.

The basic idea of the course is to give you the opportunity to think about and learn how theories are applied in practice. This course is a link between theory and practice. Thereby, it will help the students to gather their own information as take home messages to help them boost their working performance and further studies at their home universities.

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AU Summer University welcomes Danish and international full time students, exchange students and free movers.

### APPLICATION

The online application system will open on 15 January 2019.

The application deadline is 1 April 2019.

Please visit:

[au.dk/summeruniversity](http://au.dk/summeruniversity) for more information on application procedures, housing, location and the social programme.

The course venue will be at Innovest in Skjern, with daily excursions. Housing will be offered, but at own expenses.

### INTEGRATED NUTRIENT MANAGEMENT

Date: 24 - 28 June

ECTS: 5

Level: Master's

In 2018 more than 1900 Danish and international students decided to spend part of their summer taking specialized, intensive courses at AU Summer University. 58 nationalities were represented.

### TARGET GROUP

A broad range of students from both biological, agricultural and other life sciences at master's level, end bachelor's level and selected PhD students.

