

Food, Health and Innovation

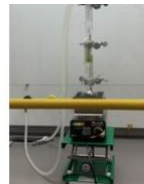
2023-2024

Term

April 2024 – June 2024 (10 weeks)

General information

This minor is open to students from third year (or higher) bachelor studies in the field of biomedicine, Bioinformatics or chemistry. A good background in molecular biology and microbiology is desired. The minor is taught in English and has a study load of 15 ECTS.



Research

Education

Foodlab Leiden: a scientific approach to food

Foodlab Leiden is a multi-disciplinary research and educational lab that combines the scientific fields of (micro)biology, chemistry, (bio)informatics and physics to study food and understand the potential impacts that food has upon our day-to-day existence.

Although most people regularly cook, they generally do not consider the science behind it. What is actually the purpose of cooking your food? Why do eggs solidify when heated? Why do fruits turn brown when you slice them? To understand what happens when we cook food, you need to be familiar with the underlying biological, chemical and physical principles.

During the minor you will get acquainted with the composition and properties of food, the processes involved in preparation of food and the relationship between food, taste and health.

Courses

The following courses are included in the program:

- History of cooking and plantbreeding (1 EC)
- Physiology and psychology of taste and health (3 EC)
- Food chemistry and analysis (4 EC)
- Fermentation and food safety (4 EC)
- Modernist cooking techniques (3 EC)





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University of Applied Sciences
Leiden

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2333 CK Leiden

Postbus 382
2300 AJ Leiden

The Netherlands

Website: hsleiden.nl/english

Entry requirements / level

The minor is at undergraduate level, but you will need two years of training in a biological or chemistry study to follow the tuition. Furthermore, basic knowledge of molecular biology and English is required.

Literature

Relevant and recent scientific literature, to be announced later.

Examination

Examination of the courses will be based on various assignments

Application form

Interested? Please fill in the required [application form](#)

Application deadline

1 November 2023

Tuition fees

There are no tuition fees required for students from partner institutions.

Accommodation

Our university offers a limited number of rooms via student housing corporation DUWO on a first come first serve basis. Please inform us via your application form if you would be interested. You can find more information about accommodation on our website.

Contact

If you have questions about the content and/or the organization of the minor please contact Wouter van Zon, PhD

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For information about the application procedure and/or accommodation please contact Lisette Oosterhuis

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