

Detailed Information on Master of Advanced Studies (MAS) in Nutrition and Health (NH)

1. Background

The MAS in Nutrition and Health started with the first course in winter semester 2006/2007. The course is based on the former Post Graduate Course in Human Nutrition (NDS Humanernährung) and reflects the experience of 15 year's classes.

2. Objective

Natural Scientists, medical doctors and pharmacists with MSc qualification are offered an advanced education that gives a broad overview on aspects of food and nutrition, their influence on health, and their potential for prevention of diseases.

MAS NH graduates are trained to identify and understand problems of nutrition while working in the field of their original study area. Depending on this original study area, career in Nutrition Research, Nutrition Teaching, Nutrition Journalism and different sections of Food Industry will be possible.

3. Requirements

Education

Graduates with MSc (or equivalent) in Natural Science, including Medicine and Pharmacy, can be admitted to MAS NH. The rectorate decides about the equivalence of graduate certificates. The course leader together with the faculty members decides on admission to the MAS NH.

Food Science Engineers graduated from Universities of Applied Sciences need minimal average mark of 5 in the final exams and have to give proof of 2 years of professional experience.

4. Teaching modules

Disciplinary courses

- Dietary Etiologies of Chronic Disease
- The Role of Food and Nutrition for Disease Prevention
- Nutrition for Health and Development
- Nutrition Case Studies
- Epidemiology and Prevention
- Nutrigenomics
- Nutritional Aspects of Food Composition and Processing
- Selected Topics in Physiology related to Nutrition
- Physiology of Eating
- Nutrition and Performance
- Research Methodology in Nutrition
- Introduction to the Nutrition Research Process

- Nutrient Analysis of Foods
- Food Toxicology
- Advanced Topics in Nutritional Science

Selected optional courses

- Gentechnology in Foods
- Food and Consumer Behavior
- Problems and Solutions in Food Microbiology
- Food Safety and Quality Management
- Immunology
- Fermented Milk Products
- Food Law and Legislation
- Public Health Concepts
- Special Topics in Food Toxicology
- Translational Science for Health and Medicine
- Physical Activities and Health
- Digital Health

5. Structure

Applications

Applications for MAS NH can be done directly online through eApply via the School for Continuing Education (SCE) by June 30. or November 30., for the fall and spring semester, respectively. The link for registration can be found here: <https://sce.ethz.ch/en/programmes-and-courses/search-current-courses/mas/mas-eth-nh.html>

Schedule

Successful performers are awarded 60 ECTS points (European Credit Transfer and Accumulation System) for the MAS NH which requires 1800 study hours, the total including presence at classes, preparation and processing time, performance control and writing of thesis. The MAS NH is designed as two semester full-time study or can be extended to 3 or 4 semester as a part-time load.

Teaching

The course is in form of lectures, practical work, case studies, seminars and exercises. Teaching in the disciplinary subjects is concentrated on Wednesdays and Thursdays for fall semester, and on Thursday and Friday for spring semester.

Faculty

Faculty members come mainly from ETH Zurich and University Zurich. Guest lecturers are recruited from national and international institutions and industry.

Language

The general study language is English.

Performance evaluation

The performance in each lecture module will be evaluated as described in the course schedule <http://www.vz.ethz.ch>. The MAS-thesis is an important part of the program, comprising 20 out of 60 ECTS points which are awarded when the thesis reaches a minimum mark of 4.

Certificate

Successful students receive the title „Master of Advanced Studies ETH in Nutrition and Health (MAS ETH NH)“.

6. Costs

Course fee for MAS NH is CHF 19'500.- The amount is due within the first year, at the beginning of the two first semesters (50% each), regardless of the duration of the program.

7. Responsibilities

The MAS NH is part of the curriculum at the Department of Health Sciences and Technology at ETH Zurich.

Prof. Ferdinand von Meyenn is the delegate of the MAS Nutrition and Health, Dr. Isabelle Herter-Aeberli is the director of studies.

Lecture plan and content are decided by a committee of the course's faculty (FDK), which is assisted by one representative of the course's students and another of the scientific assistants at the Institute of Food, Nutrition and Health.

The School for Continuing Education (SCE) is responsible for the administration of all continuing education programs at ETH Zurich.

Contacts

Information about the course

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Application and registration

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