

## **EM-SANF**

### **European MSc in Sustainable Animal Nutrition and Feeding**

**Duration:** 24 months

**Course description:**

Feeding the growing world population in a sustainable manner (i.e., environmentally sound and socio-economically acceptable) is today's major challenge requiring highly trained experts with a multi-focus view towards animal nutrition. This EM-SANF MSc programme educates students to solve animal nutrition challenges of the future. Complementary expertise of four European Higher Education Institutes and support from academic partners worldwide and the international feed industry will educate students to meet the challenge of "twice the food production at half the ecological footprint".

The EM-SANF MSc is taught in English, including lectures, practicals, excursions, examinations and thesis work. A "thesis-oriented approach is employed with students starting with course work during the 1<sup>st</sup> year to enable them to conduct research as part of their thesis in the 2<sup>nd</sup> year. In the 1<sup>st</sup> semester (S1) of year 1, each student makes a choice between two partners either focusing on "feed market & economics" or "nutrition & environment". After S1, students continue their education at one of the two other partners and focus on "feed & food evaluation" or "modelling nutrient metabolism". The 2<sup>nd</sup> year is divided in an internship and a thesis, supervised by the chosen partners in the 1<sup>st</sup> year, and if possible conducted at one of the other (associate) partners. Some of the subjects can be followed by all students at each partner due to cross-teaching, video-conferencing and distance learning. Study advisors will assist each student to make decisions in planning. In total 4 different tracks (4 combinations of double degrees) can be followed.

The education is complemented with a 2 week Introduction Programme (IP) for 1<sup>st</sup> year students allowing training of scientific skills and networking with fellow students (midterm and graduate), tutors, associate and industry partners. During a Summer Conference (2<sup>nd</sup> week of the IP), mid-term students present their thesis proposals to the Consortium, the 1<sup>st</sup> year students, and the representatives of associate partners. The official Graduation Ceremony will take place at the end of the IP.

This MSc-course is open to motivated students with a BSc degree in Animal Sciences, Biology (Zoology oriented) or Veterinary Sciences from non-European and European universities, with a number of compulsory prerequisites (basic knowledge of Statistics, Mathematics and Chemistry).

**Website:** [www.emsanf.eu](http://www.emsanf.eu)

**Partners:**

WAGENINGEN UNIVERSITY, Netherlands (Co-ordinating institution)  
AARHUS UNIVERSITY, Denmark  
PURPAN ENGINEERING SCHOOL, France  
UNIVERSITY DEBRECEN, Hungary

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**Maximum grant:**

714 200 € (30 000 € consortium + 684 200 € scholarships), 2012  
688 800 € (30 000 € consortium + 658 800 € scholarships), 2013