

RUMINANT NUTRITION AND ROUGHAGE SYSTEMS

LEVEL: MASTER 1

PERIOD: SEMESTER 1

LANGUAGE: EN

ECTS: 3

TEACHER/COORDINATOR: JOOP LENSINK / VALÉRIE JACQUERIE



1-Main objectives

- › Train future animal nutrition managers (formulation, R & D, sales) and breeding advisors
- › Enhance knowledge on ruminant feed and roughage systems (working in connection with farms)

2-Skills developed

- › Identify problems related to feed-imbalanced diets (health, product quality, sustainability...)
- › Develop a systematic and systemic approach regarding ruminant farms

3-General content

- › Roughage (fodder) systems and grazing management
- › Pasture management and plant variety use
- › Ruminant (feed) systems and sustainability approach
- › Metabolic diseases related to rumination
- › International feed and animal diet evaluation systems

4- Evaluation

- › Written individual exam

5- Program

- › Introduction: Ruminant production systems
- › Roughage and conservation methods
- › Pasture and grass management / Productivity of grass / Different species in grasslands
- › Roughage systems
- › Ruminant-specific metabolic diseases
- › Rationing and feed systems (in France and abroad): technical and economic analysis