

Title of the subject	: Ruminant nutrition
Subject leader	: Robert Tothi, PhD, assistant professor
Prerequisite	: none
Credit	: 4
Short description of the subject	: Nutrition, physiology and metabolism in ruminants (dairy cattle, beef cattle, sheep, goat and red deer). Prehension, digestion, metabolism, absorption, and distribution of nutrients for productive functions. Diet development considerations and evaluations, nutritional management, and the relationship of respective topics to recommended feeding practices, research data, and nutritional portfolios. Feeding management strategies and diet formulation.
Compulsory reading	: Garnsworthy, P.C. and Wiseman, J. (Eds) 2002 Recent Developments In Ruminant Nutrition, 4th Edition, Nottingham University Press, UK Digital handouts issued by the department.
Further reading	: Orskov, E. R. 1992 Protein Nutrition in Ruminants by Academic Press; 2nd edition, 1992 Freer, M. and Dove, H. (Eds) 2002 Sheep Nutrition, CABI Publishing Cannas, A. and Pulina, P. (Eds) 2008 Dairy Goats, Feeding and Nutrition: Feeding and Nutrition, CABI, UK National Research Council 2001 Nutrient Requirements of Beef Cattle: Seventh Revised Edition. National Academies Press, Washington DC, USA National Research Council 2001 Nutrient Requirements of Dairy Cattle: Seventh Revised Edition. National Academies Press, Washington DC, USA