

Title of the subject	: Nutritional Physiology
Subject leader	: Prof. Dr. Melinda Kovács
Prerequisite	: none
Credit	: 5
Short description of the subject	: Comparative anatomy and physiology of mammalian and avian digestive system, with emphasis on domestic animals: Anatomy and function of the GI tract, Feeding behaviour, Regulation of food intake, GI motility, Exocrine digestive secretions, Enzymes, digestion and absorption, Neurohumoral control of the GI tract. Microflora and immunology of the GI tract. Digestive physiology of ruminants, pigs, horses, poultry and newborn animals. The post-absorptive use of nutrients for energy and for the synthesis of macromolecules.
Compulsory reading	: Reece WO (ed.)(2004) Duke's Physiology of Domestic Animals, 12th Ed., Cornell University Press, UK
Further reading	: Cronje P (ed.)(2000) Ruminant Physiology: Digestion, Metabolism, Growth and Reproduction, Wallingford, UK Lindberg, J.E and Ogle, B. (eds.)(2001) Digestive Physiology of Pigs, CABI Publishing, UK