

Title of the subject	: Swine nutrition
Subject leader	: Prof. Dr. László Babinszky
Prerequisite	: Nutritional physiology Production physiology
Credit	: 4
Short description of the subject	: Upon completion of this subject - and building on the pertinent knowledge acquired during the BSc studies - the students gain comprehensive knowledge about the latest results of modern pig nutrition. Accordingly, the more important fields are as follows: characteristics of digestion in pigs; utilization of nutrients; nutrient requirements, such as energy, protein, amino acids, fats, fibre, carbohydrates and minerals (macro, micro and trace elements, ultra trace elements, vitamins, etc.). Separate chapters focus on the importance of interaction between nutrients; the relationship between nutrient supply, product quality and the health status of the animals; feedstuffs, feed additives and theoretical and practical knowledge concerning feed formulation, and the role of feed processing and feeding technologies in the practice of animal feeding.
Compulsory reading	: Fekete S. Gy. (ed) 2008. Veterinary nutrition and dietetics. Pro Scientia Veterinara Hungarica, Budapest, Hungary. Lewis, A.J., L. L. Southern (eds) 2001. Swine nutrition. CRC Press, Boca Raton, USA.. D’Mello, J.P.F. (ed) 2002. Amino acids in animal nutrition. CABI Publishing, Wallingford, UK. Digital handouts issued by the department.
Further reading	: National Research Council 1998 Nutrient Requirements of Swine: Tenth Revised Edition. National Academies Press, Washington DC, USA Moughan P.J., M.W.A. Verstegen, M.I. Visser-Reyneveld (eds) 2000. Feed evaluation principles and practice. Wageningen Pers. Wageningen, The Netherlands. McDonald, P., R.A. Edwards, J.F.D. Greenhalgh, C.A. Morgan 2002. Animal nutrition. Pearson Education, Limited. Harlow, England.