

Title of the subject	: Biochemistry
Subject leader	: Prof. Dr. János Csapó
Prerequisite	: none
Credit	: 5
Short description of the subject	: The subject deals with the metabolism of the components of the living organism (carbohydrates, fats, amino acids, purine and pyrimidine bases), the biosynthesis of the proteins and the different biochemical processes. Food digestion of the different animal species as well as biochemical fundamentals of the production of animal products are treated in detail. During the practical trainings biochemical calculations and experiments are carried out in connection with the theoretical material studied.
Compulsory reading	: Berg, J.M., Tymoczko, J.L., Stryer, L. (2007) Biochemistry. W. H. Freeman and Company, New York
Further reading	: Lehninger, A.L., Nelson, D.L., Cox, M.M.(1993) Principles of biochemistry. Worth Publishers, New York. Michal, G.. (1998) Biochemical pathways. An atlas of biochemistry and molecular biology. Spectrum Academic Verlag. Heidelberg-Berlin Holme, D.J. (1998) Analytical Biochemistry. Longman Ltd.