



SUBJECT DATASHEET

Semester:	2011/12/1
Subject:	Biochemistry laboratory training
Code:	VEMKOKB232K
Responsible department:	Department of Organic Chemistry
Responsible department code:	MKOK
Responsible lecturer:	Dr. Rita Skodáné Földes

Educational objectives:

Educational objectives: Laboratory exercises tied closely to topics discussed in biochemistry lectures. Methods of qualitative and quantitative analysis used in biochemistry

Detailed content of the subject:

Detailed content of the subject: 1.Introduction, safety, requirements, 2.Qualitative tests for carbohydrates 3.Quantitative tests for carbohydrates. 4.Qualitative and quantitative tests for amino acids 5.Protein chemistry, denaturation 6.Qualitative and quantitative tests for proteins. 7.Qualitative tests for lipids. 8.Iodine number, saponification of lipids 9.Enzymatic reactions. Effects of the change of the concentration 10.Enzymatic reactions. Effects of pH. 11.Enzymatic reactions. Effects of temperature 12.Fermentation. 13.Determination of ascorbic acid concentration in juices. 14.Separation of pigments from chloroplasts. 15.Final test

Requirements:

Requirements: - attendance is compulsory - making reports of each experiment, passing pre-lab tests with an average score of 2 or above, passing final test with a score of 2 or above

Required and suggested references:

Dr. Ábrahám Sándor, Dr. Oláh Béla, Földi Aranka, Cserépné Bendik Ildikó: Biokémiai laboratóriumi gyakorlatok. Veszprémi Egyetemi Kiadó