



COURSE DATASHEET

Semester:	2015/16/1
Course:	Molecular Biology. Laboratory practice
Code:	VEMKLIB333M
Responsible department:	Department of Limnology
Department code:	MKLI
Responsible instructor:	Eszter Horváth

Course objectives:

To show the contexts of intraindividual biology at deeper, molecular level through practical methods of investigating.

Course content:

1. Introduction, equipments, tools. Lab safety 2. Genes in a Bottle 3. Forensic DNA Fingerprinting 4. Crime Scene Investigator PCR Basics 5. PCR Informatics 6. GMO Investigator 7. Elisa Immuno Explorer 8. Comparative Proteomics

Requirements, evaluation and grading:

Presentation of lab notes + the result of 2 written examinations (

Required and recommended readings:

Szeberényi J.: Molekuláris sejtbológia. Dialóg Campus Kiadó, 2004. Bálint M: Molekuláris biológia I-II. Műszaki Könyvkiadó, 2000. Bálint M: Molekuláris biológia III. Nemzeti Tankönyvkiadó, 2002. GM Cooper, RE Hausman. The Cell. A Molecular Approach. ASM Press, 2007. Virtual text: Molecular biology. www.ergito.com