



## COURSE DATASHEET

<b>Semester:</b>	2013/14/1
<b>Course:</b>	Molecular Biology. Laboratory practice
<b>Code:</b>	VEMKLIB333M
<b>Responsible department:</b>	Department of Limnology
<b>Department code:</b>	MKLI
<b>Responsible instructor:</b>	dr. Nóra Kováts

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### 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 sejtbiológia. 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](http://www.ergito.com)