

Course Title	Molecular Biology Lab. 2		
Semester	3-2	Course Type	Advanced
Course Number	28443-00	No. of Credit	2/0/4
Professor	Pil-Jae Maeng	E-mail	pjmaeng@cnu.ac.kr
Objective	<p>In this course, students will learn about the research techniques commonly applied to the following topics in modern microbiology and develop basic skills for writing various documents required in the industrial field through reports.</p>		
Syllabus	<ol style="list-style-type: none"> 1. Method for analyzing microbial community in a specific sample1 2. Method for analyzing microbial community in a specific sample2 3 Analysis of biological and chemical water quality and understanding of indicator microorganisms 1 4.Analysis of biological and chemical water quality and understanding of indicator microorganisms 2 5. gene cloning and expression 1 6. gene cloning and expression 2 7. Observation of culture and differentiation of animal tissues 1 8. Observation of culture and differentiation of animal tissues 2 9. Analysis of gene expression using microarray 1 10.Analysis of gene expression using microarray 2 11. Understanding and Practice of Dielectric and Proteome Analysis 1 12.Understanding and Practice of Dielectric and Proteome Analysis 2 		

