

Course Title	General Microbiology 1		
Semester	2-1	Course Type	Basic
Course Number	22663-00	No. of Credit	3/3/0
Professor	Jeong-Yoon Kim	E-mail	jykim@cnu.ac.kr
Objective	<p>In this course, students will learn the general structure and function of microbial cells and basic knowledge about the physiology, metabolism, genetics, and molecular biology of microorganisms.</p>		
Syllabus	<ol style="list-style-type: none"> 1. The foundations of microbiology 2. Microbial cell structure and functions 3. Cell chemistry and Nutrition 4. Energetics, enzymes, and redox 5. Structure of bacterial genome 6. DNA replication and transcription 7. Translation, protein folding, and secretion 7. Bacterial cell division 8. Population growth and measuring growth 9. Control of microbial growth 10. Microbial genomics and Functional genomics 11. Regulation of gene expression in prokaryotes 12. Other metabolic regulations in prokaryotes 		