

Course Title	Molecular cell biology		
Semester	4-1	Course Type	advanced
Course Number	27752-00	No. of Credit	3/3/0
Professor	Jinmi Kim	E-mail	jmkim@cnu.ac.kr
Objective	Advanced understanding of the molecular mechanisms that control the gene expression of eukaryotic organisms. Topics in recent molecular biology, such as signal transduction, cell cycle, and cell death are included. Emphasize logic of experimental design and data analysis.		
Syllabus	<ol style="list-style-type: none"> 1. Introduction/ Eukaryotic RNA polymerases 2. Eukaryotic RNA polymerases 3. Eukaryotic promoters 4. General transcription factors in eukaryotes 5. Transcription activators in eukaryotes 6. Chromatin structures (1) 7. Chromatin structures (2) 8. Splicing 9. Post-transcriptional events (1) 10. Post-transcriptional events (2) 11. Cell signalling 12. Cell signaling, Protein kinase 13. Cell cycle control 		