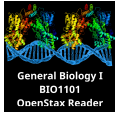


The following lectures are covered on the second exam.

The following lecture schedule contains links to the book sections from [Biology](#) from OpenStax College ([CC-BY 4.0](#))

	Week Lectures	Topic with link to Openstax pages	Openlab Supplement
	8.	MACROMOLECULES I Monomers and Polymers Dehydration Synthesis and Hydrolysis Carbohydrates Lipids	Macromolecules I
V	9.	MACROMOLECULES II Proteins Nucleic Acids ATP Enzymes and Metabolic Pathways	Macromolecules II
	10.	CELLS The Cell Theory Methods of Studying Cells Cellular Size Limitations Cell Composition Prokaryotic and Eukaryotic Cells Cellular Evolution Anaerobic and Aerobic Cells; Endosymbiosis; Multicellularity; Viruses, Bacteria and Archaea	Cells
VI	11.	THE EUKARYOTIC CELL Eukaryotic Cell Structure and Function	Eukaryotes
	12.	MEMBRANES & TRANSPORT Membrane Structure and Function Passive Transport Processes Active Transport Processes Cell Surface Modifications	Membranes



VII 13. **Examination II** (Lectures 8-12 inclusive)