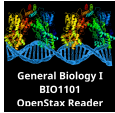


The following lectures are covered on the fourth exam.

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

Examination III (Lectures 14-21 inclusive)

Week	Lectures	Topic with link to Openstax pages	Openlab Supplement
XII	23.	GENETICS I Gregor Mendel Mendel's Law Human Genetics Disorders	Mendelian Genetics
	24.	GENETICS II Extending the Range of Mendelian Genetics Multiple Allelic Traits Incomplete Dominance Pleiotropy Polygenic Inheritance X-Linked Inheritance Environmental Influences	Non-Mendelian Genetics
XIII	25.	DNA The Genetic Material DNA Structure DNA Replication Prokaryotic versus Eukaryotic Replication	DNA
	26.	GENE FUNCTION The Genetic Code Transcription Translation Structure of the Eukaryotic Chromosome	Gene structure and function



- XIV 27. GENETIC REGULATION
Prokaryotic
Eukaryotic
Regulation Through Mutations
- [Gene Regulation](#)

28. BIOTECHNOLOGY & GENOMICS
DNA Cloning
Biotechnology Products
Gene Therapy
Genomics
- [Biotechnology and Genomics](#)

- XV 29. ANIMAL DEVELOPMENT
Early Developmental Stages
Developmental Processes
Human Embryonic and Fetal Development
30. **Examination IV** (Lectures 23-29 inclusive)