

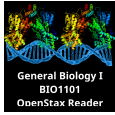


The following lectures are covered on the fourth exam.

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)