

Main Textbook for BIO103: **Campbell Biology (9th ed)**

| Topic | Text book |
|---|--|
| Cell Organization | Chapter 6 - all |
| Evolutionary Biology (Guppy introduction) | |
| Membrane Structure and Function | Chapter 7 - all |
| Metabolism | Chapter 8 - all |
| Mitosis and Cell Cycle | Chapter 12 - all |
| Meiosis and Life Cycles | Chapter 13 - all |
| Mendel & Gene | Chapter 14 - all |
| Chromosomal Inheritance | Chapter 15 – all |
| Prokaryotic genome evolution | Chapter 21 |
| Eukaryotic genome evolution | Chapter 21 (combined – all) |
| Plant Development | Chapter 35 - all |
| Epigenetics | Chapter 16 (only pages 366-368) Chapter 18 (only pages 403-404) |
| Animal Development | Chapter 47 - all |
| Bioinformatics | |

Note: Additional reading for some topics will be supplied on mi side as PDF documents. No additional pensum purchases beyond the textbook indicated above are required of the students. Some of the additional reading will be mandatory and some will be optional – this will be clarified on mi side as this additional reading is assigned during the course.