

Pensum BIO103 Vår 2018. Textbook: Campbell «Biology», 11<sup>th</sup> edition (or 10<sup>th</sup> edition).

Topic	Text book (11th edition)	Text book (10th edition)	Lectures
Metabolism (Ståle)	Chapter 6	Chapter 6	1 double lecture 2 hours
Cell Organization (Eric)	Chapter 7	Chapter 7	3 double lectures 6 hours
Cytoskeleton, ECM, Cell junctions (Fabian)	Chapter sections 7.6 – 7.8	Chapter sections 7.6 – 7.7	1 double lecture 2 hours
Mitosis and Cell Cycle (Eric)	Chapter 12	Chapter 12	1 double lecture 2 hours
Meiosis and Life Cycle (Eric)	Chapter 13	Chapter 13	1 double lecture 2 hours
Mendel & Gene (Ståle)	Chapter 14 Chapter 17.5 p407-410	Chapter 14 Chapter 17.5 p411-413	1 double lecture 2 hours
Chr. Inheritance (Fabian)	Chapter 15	Chapter 15	1 double lecture 2 hours
Genome Evolution (Fabian)	Chapter 20	Chapter 20	1 double lecture 2 hours
Epigenetics (Eric)	Chapter 16 p380-382 Chapter 18 p419-420	Chapter 16 p384-385 Chapter 18 p422-423	1 double lecture 2 hours
Genome Technologies (Ståle)	Chapter sections 19.2 - 19.4	Chapter sections 19.3 and 19.4	1 double lecture 2 hours
Prokaryotes (Ruth-Anne)	Chapter section 27.2	Chapter section 27.2	1 double lecture 2 hours
Plant Development (Lawrence)	Chapter 35	Chapter 35	1 double lecture 2 hours
Animal Development (Jon Vidar)	Chapter 46	Chapter 46	3 double lectures 6 hours

Note: Additional reading for some topics will be supplied on “Mitt UiB” 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 “Mitt UiB” as this additional reading is assigned during the course.