Hashemite University		Course name and number
Faculty of Science		**Pre-requisite:** -
Department of Biology and Biotechnology	**Course Syllabus**	

Course Information	
Lecture's Time	Sunday, Tuesday, Thursday 9:30- 10:30
Lecture Room	الحسين الباني 108
Instructor	T. Salsabeel Sabi
Office Location	Biology department, second floor, office number 212
Office Hours	Sunday, Monday, Wednesday, Thursday 10:30- 11:30
Text Book Biology, A Global Approach, by Neil A. Campbell, Lisa A. Urry, Michael L. Cain, 11th ed.	
References(s)	Lectures and notes given, any modern textbook in biology.

Grading Policy:

Theory

1st Exam	30 %
2nd Exam	30 %
Final Exam	40%

Course Objectives
This course covers the study of the basic principles of biology, starting with carbon molecules, biological macromolecules, cell structure, cell membranes, cell respiration and cell division as well as basic information about DNA structure & replication and gene expression.
Teaching and Learning Methods
The course is held in university and online (teams). **Textbook**: Biology, A Global Approach, by Neil A. Campbell, Lisa A. Urry, Michael L. Cain, 11th ed. **References**: any modern textbook in biology. Students are expected to attend every class and arrive on time in compliance with HU regulations. In case you find yourself in a situation that prevents you from attending class or exams, you must inform your instructor. If you miss more than 6 classes for the (Sunday, Tuesday, and Thursday model) or 4 classes for the (Monday and Wednesday Model), you cannot pass the course. Makeup excuses will be accepted only for very limited justified cases, such as illness and emergencies. Changing your section without informing your instructors is not accepted at all.

Course Contents

Week	Topic
1	Chapter 4. Carbon: The Basis of Molecular Diversity
2, 3	Chapter 5. Biological Macromolecules and Lipids
4, 5	Chapter 7. Cell Structure and Function
6, 7	Chapter 8. Cell Membranes
8	Chapter 6. Energy and Life
9, 10	Chapter 10. Cell Respiration
11, 12	Chapter 11. Photosynthetic Processes
13	Chapter 12+13. Mitosis and Meiosis
14	Chapter 16. Nucleic Acids and Inheritance
15	Chapter 17. Expression of Genes
16	Final Examination