



General Biology

Course Code	Course Num.	Course Name	Credit Hours	Lec	Lab	Tut	Prerequisites
BIO	101	General Biology	4	3	2	0	

Objectives:

- To introduce students into the long-term key concepts in biology which represents general source for their continuing and completing education?
- To acquire the basic and fundamental knowledge of biological terms

Syllabus:

- A tour in the cell , Cell membrane structure and function
- The cell cycle. Mitosis, Meiosis.
- Macromolecules: structure and function
- Introduction to Animals and Plants Physiology.
- hemostasis and hormonal regulation Plant structure, growth and development.
- Cellular energy (Photosynthesis. Cellular respiration).
- Biodiversity: Bacteria and Archeae, Protista and fungi
- Plant diversity Animal tissues.
- Plant tissues.
- Introduction to Genetics.
- Introduction to animal diversity: Invertebrates, vertebrates

References:

- Campbell, 3. A.,Reece, J.B –Pearson Biology 10th ed. (2013); international edition. ISBN-13: 978-0321775658
- James W. Perry Laboratory Manual for General Biology 5th Edition , ISBN-13: 978-0534380250 (2006)

