

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	General Biology
Course number	BIOL1401
Faculty	
Department	
Course type	Major Needs
Course level	1
Credit hours (theoretical)	3
Credit hours (practical)	1
Course Prerequisites	

Course Objectives

1 - To learn the general aspects: Introduction, branch of biology, properties of life
2 - To understand the chemical building blocks of life including water and macromolecules such as protein, carbohydrates, lipids and nucleic acid
3 - To learn cell structure and function, cell membrane & transport processes, cell cycle and types of division
4 - To differentiate between the morphology and anatomy for root and shoot system
5 - To learn the different types of tissues and the different systems including circulatory, urinary, endocrinology, ..etc
6 - To understand the basic of taxonomy: Classification of organisms, viruses, bacteria, protista, fungi, algae,

Course Contents

1 - The fundamental and concepts of general biology will be presented eight parts of biological sciences including: general aspects, biochemistry, cytology, botany, histology, zoology, taxonomy, genetics

Teaching and Learning Methods

1 - Lectures
2 - Discussion
3 - Revision and Discussion sections

Teaching and Learning Methods for the Disabled Students

1 - Will be treated and addressed individually according to the type of disability.

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
first hour exam	60 min	20
second hour exam	60 min	20
Attendance, participation and quizzes		10

Books and References

Course note	2- Johnson, G.B; Raven, P.H (2002): Biology, 6th edition, McGraw – Hill Higher Education, USA.
Recommended books	1- Villee A. et al, Biology, 3ed edition, Sundres college publishing, USA