TEMPLATE FOR COURSE SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

COURSE SPECIFICATION

This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the programme specification.

1. Teaching Institution	
2. University Department/Centre	University of Kirkuk-college of Dentistry
3. Course title/code	Biology
4. Modes of Attendance offered	Theoretic lectures
5. Semester/Year	Two semester
6. Number of hours tuition (total)	60hours theory and 60 hours practical
7. Date of production/revision of this specification	2020-2021
8. Aims of the Course	

The course aims to give the students the knowledge and understanding about the best protocols and procedures nessary for working safely

How the normal function may change to abnormal The course aims also at rendering the students familiar with the most common oral microbiota and the most appropriate methods for sterilizing dental clinic equipment.

9· Learning Outcomes, Teaching ,Learning and Assessment Methode

A- Cognitive goals

A2.HOW body organs perform its normal function

A4.How the pathological conditions convert the normal function to abnormal function

A5.the relation between biology with other sciences vsuch as histology and anatomy and biochemistry

B. The skills goals special to the course.

Learning the students the normal organ and how the functions of each organ affect the Biology other histology and parasitology .

Teaching and Learning Methods

Performing practical experiments in Biology lab.to clarify the function
Use educational videos show the Biology
Use of ready made models
Visits to medical hospitals and laboratories

Assessment methods

Examinations
Seminars and other activities
Sharing in scientific festivals and conference

C. Affective and
C1.value goals
C2.Acquisition in knowledge of body organs function .
C3.Joining the physiological information with other basic sciences information to gain skill

Teaching and Learning Methods

-theoretical lectures as power point using data show
-educational videos
-guiding students to visit some scientific websites
Conduct experiments in physiology lab

Assessment methods Theoretical examination Practical examination Quiz Seminars Oral examinations

D. General and rehabilitative transferred skills(other skills relevant to employability and personal develo
D1.Preparing the student practically in terms of applying knowledge
D2.Thinking about solving problems
D3.Teaching professional ethics
D4.Develop the student's ability to learn using new methods.

10. Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method
1	2	Introduction * medical and oral biology	**Biology**	Theoretical lecture using power point
2	**2**	Prokaryotes and Eukaryotes	**Biology**	Theoretical lecture using power point
3	**2**	General and oral Immunity	**Biology**	Theoretical lecture using power point
4	**2**	Bacteria and oral disease	**Biology**	Theoretical lecture using power point
5	**2**	Genetics and its role in oral diseases	**Biology**	Theoretical lecture using power point
6	**2**	Simple epithelial tissue (Tongue)	**Biology**	Theoretical lecture using power point
7	**2**	Stratified epithelial Tissue	**Biology**	Theoretical lecture using power point
8	**2**	Glandular epithelial tissue (salivary gland)	**Biology**	Theoretical lecture using power point
9	**2**	General connective tissue	**Biology**	Theoretical lecture using power point
10	**2**	Muscular tissue	**Biology**	Theoretical lecture using power point
11	**2**	Nerve tissue	**Biology**	Theoretical lecture using power point
12	**2**	Cell structure (oral mucus membrane)	**Biology**	Theoretical lecture using power point
13	**2**	Plasma membrane structu	**Biology**	Theoretical lecture using power point
14	**2**	Passage of Materials across Cell Membrane	**Biology**	Theoretical lecture using power point

15	**2**	Cell cycle	**Biology**	Theoretical lecture using power point
16	**2**	Mitosis and meiosis	**Biology**	Theoretical lecture using power point
17	**2**	Cell energy	**Biology**	Theoretical lecture using power point
18	**2**	Nucleic acid, DNA and RNA	**Biology**	Theoretical lecture using power point
19	**2**	Introduction to parasitolo	**Biology**	Theoretical lecture using power point
20	**2**	Types of parasites and ho	**Biology**	Theoretical lecture using power point
21	**2**	General and oral protozoa	**Biology**	Theoretical lecture using power point
22	**2**	Human amoebas, E. histolytica, E.coli, E.gingivalis	**Biology**	Theoretical lecture using power point
23	**2**	Flagellates, Giardia lamblia, Trichomonas ter	**Biology**	Theoretical lecture using power point
24	**2**	Leishmania , cutaneous and vesiral	**Biology**	Theoretical lecture using power point
25	**2**	Endocrine system	**Biology**	Theoretical lecture using power point
26	**2**	Sporozoa, Plasmodium spp.	**Biology**	Theoretical lecture using power point
27	**2**	Toxoplasma gondii	**Biology**	Theoretical lecture using power point
28	**2**	Nemathelminthes, Ascaris lumbricoides,	**Biology**	Theoretical lecture using power point
29	**2**	Ancylostoma duodenale,	**Biology**	Theoretical lecture using power point
30	**2**	Platyhelminthes, Fasciola hepatica Schistosoma spp.	**Biology**	Theoretical lecture using power point
				Practical biology
1	**2**	Laboratory safety	**Biology**	Laboratory methods
2	**2**	Parts of microscope	**Biology**	Laboratory methods

3	**2**	Types of cells	**Biology**	Laboratory methods
4	**2**	Simple epithelial tissue		Laboratory methods
5	**2**	Stratified epithelia Tissue	**Biology**	Laboratory methods
6	**2**	Glandular epithelial tis	**Biology**	Laboratory methods
7	**2**	Serous, Mucous, Sero-mucous cell glands	**Biology**	Laboratory methods
8	**2**	Proper connective tissue, Loose	**Biology**	Laboratory methods
9	**2**	Proper connective tissue, dense	**Biology**	Laboratory methods
10	**2**	Special connective tiss	**Biology**	Laboratory methods
11	**2**	Cartilage, Hyaline, Elastic, Fibro	**Biology**	Laboratory methods
12	**2**	Compact and spongy Bone	**Biology**	Laboratory methods
13	**2**	Human Blood, W.B.C , R.B.C and frog blood	**Biology**	Laboratory methods
14	**2**	Muscular tissue: Skeletal, cardiac and smooth muscles	**Biology**	Laboratory methods
15	**2**	Nerve cell	**Biology**	Laboratory methods
16	**2**	Central and peripheral nerve system	**Biology**	Laboratory methods
17	**2**	Spinal cord and Meninges	**Biology**	Laboratory methods
18	**2**	Entamoeba histolytica Entamoeba coli	**Biology**	Laboratory methods
19	**2**	Giardia lamblia , Trichomonas vaginalis Trichomonan tenax	**Biology**	Laboratory methods

20	**2**	Leishmania tropica, Leshmania donovani	**Biology**	Laboratory methods
21	**2**	Trypanosoma gambiense, T.rhodesiense		Laboratory methods
22	**2**	Plasmodium vivax, Toxoplasma gondii	Biology	Laboratory methods
23	**2**	Balantidium coli		
24	**2**	Echinococcus granulosus, Taenia sag Solium	Biology	
25	**2**	Ancylostoma, Ascaris , Entrobius	Biology	Laboratory methods
26	**2**	Schistosoma spp, Fasciola hepatica	Biology	Laboratory methods
27	**2**	Endoskeleton of frog	Biology	Laboratory methods
28	**2**	Experiment...examine samples of water (one hour),	Biology	Laboratory methods
29	**2**	Experiment ...Blood g	Biology	Laboratory methods
30	**2**	Experiment ... Blood groups	Biology	Laboratory methods

11. Infrastructure	
1. Books Required reading:	

2. Main references (sources)	
A- Recommended books and references (scientific journals, reports…).	Human biology Text book of medical, AP biology premium 2022, concepts of biology ..samantha fowler ...etl
B-Electronic references, Internet sites…	Basic histology text and atlas
12. The development of the curriculum plan	