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	Al-Hilla University College
2. University Department/Centre	Dentistry Department
3. Course title/code	Medical biology -1st stage HUC-DEN-003
4. Modes of Attendance offered	Theory and Practical
5. Semester/Year	2023-2024
6. Number of hours tuition (total)	60 hours theory-60 hours practical
7. Date of production/revision of this specification	23/3/2024
8. Aims of the Course	
An introduction to the subject of life science and its various branches (microbiology, parasitology, biology, histology, genetics, immunity) and their relationship to the medical aspect and the extent of their effects on public health.	

9· Learning Outcomes, Teaching ,Learning and Assessment Method

معاون العميد للشؤون العلمية

الأستاذ المساعد الدكتور
علي محسن الياسري
رئيس قسم طب الأسنان
كلية الحلة الجامعة

A - Cognitive objectives
A1- Teaching the student the relationship of life sciences to humans
A2- Knowing the effect of microorganisms on the health of the body
A3- The relationship of parasitology and cell science to diseases that affect humans
A4- The relationship of genetics to human health
A5- The relationship of histology to the human body
A6- The importance of cell science for all organs of the body

B - The skills objectives of the course.
B1 - Adopting the discussion during the lecture and the method of questioning.
B2 - Use laboratories and practical experiments to increase the student's understanding and see it in practice.
B3 - Method of surprise exams and writing scientific reports related to the curric

Teaching and Learning Methods

The teaching method is either direct, through giving a lecture and the student's interaction with the lecture by asking direct questions, in addition to the other methods referred to above, with the use of laboratories and practical experiments to increase the student's understanding and expand his awareness.

Assessment methods

1- Quizzes.
2- 1st course theory
3- 1st course practical
4- Midyear Exam theory
5- Midyear exam practical
6- 2nd course theory
7- 2nd course practical
8- Final exam practical
9- Final exam theory

C- Emotional and value goals
C1- Interrogation
C2- Discussion
C3- Practical experiments
C4- Induction

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D- General and transferable skills (other skills related to employability and personal development)
D1- Introducing and developing lectures annually
D2- Follow up on published research and studies related to the subject
D3- Conduct quarterly and annual research through personal and collective efforts and publish it in Arab and international journals.
D4- Discussing the curriculum with relevant and specialized people in corresponding colleges in order to achieve the best.

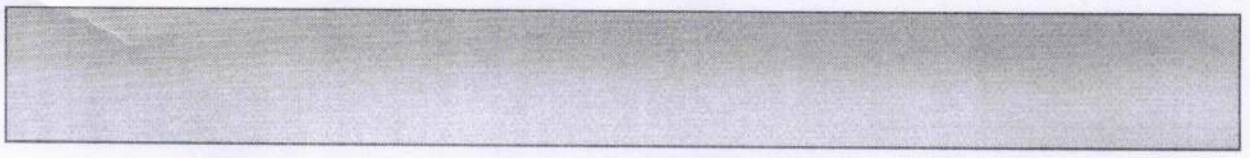
10. Course Structure					
Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	2	**Introduction to Medical Biology**	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
2		**Prokaryotes and Eukaryotes**	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
3	2	**Immunity**	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
4	2	**Bacteria and disease**	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
5	2	**Genetics**	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
6	2	**Simple epithelial tissues**	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
7	2	**Stratified epithelial tissues**	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
8	2	**Glandular epithelial tissues**	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
9	2	**General connecti ve tissues**	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
10	2	**Muscular tissues**	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
11	2	**Nerve tissues**	Biology	Theory and	Quizzes, semester,

				Practical	mid-year and final exams
12	2	**Cell structure**	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
13	2	**Plasma membrane structure**	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
14	2	**Passage of materials cross cell membrane**	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
15	2	**Cell cycle**	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
16	2	**Mitosis and meiosis**	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
17	2	**Cell energy**	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
18	2	**Nucleic acids, DNA and RNA**	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
19	2	**Introduction to parasitology**	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
20	2	**Types of parasites and hosts**	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
21	2	**Protozoa**	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
22	2	**Human amoebas, *E. histolytica, E. coli, E. gingivalis***	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
23	2	**Flagellates, *Giardia lambelia, Trichomonas tenax, T. hominas, T. vaginalis***	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
24	2	**Leishmania, cutaneous and vesiral**	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams

25	2	**Sporozoa, *Plasmodium* spp.**	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
26	2	***Toxoplasma gondii***	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
27	2	**Nemathelminthes, *Ascaris lumbricoides***	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
28	2	***Ancylostoma duodenale, Entrobius vermicularis***	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
29	2	**Platyhelminthes, *Fasciola hepatica***	Biology	Theory and Practical	Quizzes, semester, mid-year and final exams
30	2	***Schistosoma* spp.**	Biology	Theory and Practical	

11. Infrastructure	
1. Books Required reading:	**حالياً لا يوجد كتاب مقرر ، مطلوب توفير كتاب يتناول موضوعات المقرر ويكون بعنوان (الأحياء الطبية)**
2. Main references (sources)	**1. Human Biology. 12th ed.** **2. Essential of Cell Biology. 3rd ed.** **3. Books in: Human Biology, Microbiology, Immunology,** **Parasitology**
A- Recommended books and references (scientific journals, reports…).	**1- open.umn.edu/opentextbooks/textbooks/576 /Human Biology - Open Textbook / This textbook has been created with several goals in mind: accessibility, biology class for certain allied health majors such as medical assistant.** **2- nk.in.ua/pdf/1844r.pdf / Medical Biology/ Virology and Immunology.**
B-Electronic references, Internet sites…	**1- www.mdpi.com/journal/biology/sections/Medical_Biology** **2- www.imedpub.com/scholarly/medical-biology-journals-articles-ppts-list.php** **3- www.bangor.ac.uk/courses/undergraduate/2021/b103 medical-biology**

12. The development of the curriculum plan	
1- Holding scientific workshops and seminars (seminars) to discuss various topics in medical biology. 2- Invite external professors (at least one lecturer per semester) to give lectures that reinforce the curriculum. 3- Field visits to areas of the city in a manner consistent with the components of the practical part curriculum.	



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