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	Microbiology - 3th stage
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	26/3/2024
8. Aims of the Course	
1- The student able to know different oral microorganisms	
2- The student able to know the diseases caused by the oral microorganisms	
3- The student able to know the role of immune system in the saving of oral cavity	
4- The student able to know the host – parasites relation ships	
5- The student able to get a good information about the different oral pathogens and diseases	

9· Learning Outcomes, Teaching ,Learning and Assessment Methodes

A- Cognitive goals . A1. Enumerate the different types of diseases
A2. Clinical appearance of the diseases
A3. Radiographical appearance of diseases
A4. Histopathological appearance of diseases.
A5. Apply the treatment plans of each disease.
A6 .

B. The skills goals special to the course. B1. Know the causes of each oral disease.
B2. Know the spread of each oral disease.
B3. Able to treat the different oral diseases.

Teaching and Learning Methods

1- Theoretical and Practical Lectures.
2- Slides for each practical lecture.
3- Pictures for each theoretical lecture.
4-Pictures for microorganisms of each disease.
5- Treatment of each disease.

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. Affective and value goals
C1. Know different oral microorganisms
C2. Know the causes of each oral disease.
C3. Know the types of the oral diseases.
C4. Know the appearance of the diseases.

D. General and rehabilitative transferred skills(other skills relevant to employability and
D1. Field visits
D2. The student relies on his personal effort
D3. Holding discussion circles in which the student is a lecturer and the professor is a listener.
D4. Present and explain specific cases that support the curriculum components.

10. Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teachi Metho
1	4	BSc	Morphology, Ultra structures, physiology and metabolism of microorganisms	Theory ar
2	4	=	Microbial growth, growth curve -Metabolism of	Theory an

			microorganisms -Molecular biology & bacterial genetics	
3	4	=	Sterilization and Disinfection	Theory an
4	4	=	Antibiotic and chemotherapy	Theory an
5	4	=	Introduction to general immunology and oral immunology	Theory an
,6	4	=	Cells and organs of the immune system	Theory an
7	4	=	Oral and mucosal immunity	Theory an
8	4	=	Hypersensitivity reactions	Theory an
9	4	=	Host-parasite relationship & Nosocomial infection	Theory an
10	4	=	Streptococci	Theory an
11	4	=	Staphylococci	Theory an
12	4	=	G- negative diplococcic , Vellionella and Moraxella	Theory an
13	4	=	Lactobacilli, Actinomyces and Corynebacterium diphtheriae & Diphtheroids	Theory an
14	4	=	Bacillus: B. subtilis, B. anthracis and B.ceres	Theory an
15	4	=	Clostridium : C. perfringenis , C. tetani, C. botulinum, and C. difficile	Theory an
16	4	=	Enterobacteriaceae: E.coli, Salmonella, Shigella	Theory an
17	4	=	Enterobacter, Klebsiella, proteus, Yersinia	Theory an
18	4	=	Mycobacteruim: Tuberculosis & Leprae	Theory an
19	4	=	Brucella, Haemophilus, Vibirio	Theory an
20	4	=	Aggregatibacter, porphyromonas, prevotella, Bacteroids	Theory an
21	4	=	Fusiforms and Spirochaetes: Fusobacterium, leptotichia	Theory an
22	4	=	Treponema and oral Treponema	Theory an
23	4	=	Mycoplasma, Chlamydia and Rickittsiae	Theory an
24	4	=	Ecology of oral flora	Theory an
25	4	=	Microbiology of dental caries	Theory an
26	4	=	Microbial colonization - Caries prevention	Theory an
27	4	=	Microbiology of periodontal disease and Endodontics	Theory an
28	4	=	Virology	Theory an
29	4	=	Viral replication	Theory an
30	4	=	Oral mycology and Oral parasitology	Theory an

1. Books Required reading:	1- Essential Microbiology for Dentistry 5th ed. 2018. by Lakshman Samaranayake 2- Kuby Immunology 5th ed. 2019. By Jenni P.; Sharon S.; P
2. Main references (sources)	Books and Internets
A- Recommended books and references (scientific journals, reports…).	Textbook of Microbiology For Dental Students 3rd Edition 2012 By DR Arora & Brij Bala

B-Electronic references, Internet sites…	Oral Microbiology, Oral Diseases, Oral Microorganisms

12. The development of the curriculum plan
1- Microscopes 2- Different Culture Media 3- Slides for different oral microorganisms & Diseases

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