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	Ministry of higher education and scientific research / Kirkuk University
2. University Department/Centre	Dentistry/ Oral Diagnosis
3. Course title/code	Oral Histology/ DEBS- 210
4. Modes of Attendance offered	Theoretical and Laboratories
5. Semester/Year	Two semesters / Second Year
6. Number of hours tuition (total)	30 Hours theoretical / 30 hours practical
7. Date of production/revision of this specification	2020-2021
8. Aims of the Course	
Preparation of dentists are able to identify the types of tissues of the mouth and teeth by knowing the correct method for cutting the tissue in the laboratory, as well as to identify the histological cutting devices used, and knowing the types of stains used to stain different oral tissues, as well as how to use light microscope to study different oral tissues.	

9· Learning Outcomes, Teaching ,Learning and Assessment Method

A- Cognitive goals.

A1.Enabling the student to cut the tissues of the mouth and teeth as well as proper using of the light microscope.

A2.Enabling the student to know the natural composition of the types of oral tissue and know the types of tissue layers by providing it with sufficient information about the types of microscopes used to study the different tissues of the mouth and how distinguish between the types of the layers.

B. The skills goals special to the course.

B1. Provide the student with the ability to cut the oral tissues
B2. The student able to use the light microscope properly
B3. Provides the student with the ability to read the slides in order to identify the different types of oral tissues.

Teaching and Learning Methods

-Theoretical lectures by using Data show
-LCD
-Data show device inside the lab

Assessment methods

-Semester exams + Quizzes
-Practical exams

C. Affective and value goals

C1. Understand the methods of cutting the natural oral tissues and reach the importance of the natural oral tissues.

Teaching and Learning Methods

Continuous review of how to know the types of oral tissues by viewing them under a microscope, as well as how to distinguish between them.

Assessment methods

-Practical exams inside the lab. (Using the slides) to find out how much they understand about the types of oral tissues.
-Oral exams

D. General and rehabilitative transferred skills(other skills relevant to employability and personal development)

D1. The ability for histology diagnosis of oral tissues and fetal tissues.
D2. The ability to perform tests on laboratory equipments.

10. Course Structure

Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
1	1	O.H.	Slide Preparations	Data Show Slides and lab. Slide preparation	Semester exams +Quiz +Practical exam
2	1	O.H.	Development of the Teeth	Data Show Slides and Microscopic slides	Semester exams+ quizzes
3	1	O.H.	Morphogenesis and Histogenesis	Data Show Slides and Microscopic slides	Practical exams
4	1	O.H.	Enamel: Physical and Chemical Properties	Data Show Slides and Microscopic slides	Semester exams+ quizzes
5	1	O.H.	Amelogenesis , Ameloblast cycle	Data Show Slides and Microscopic slides	Practical exams
6	1	O.H.	Clinical consideration: Genetic and local factors	Data Show Slides and Microscopic slides	Semester exams+ quizzes
7	1	O.H.	Dentin: Physical and Chemical Properties	Data Show Slides and Microscopic slides	Practical exams
8	1	O.H.	Dentinogenesis: Different kinds of Dentin	Data Show Slides and Microscopic slides	Semester exams+ quizzes
9	1	O.H.	Odontoblast life cycle , innervations theories	Data Show Slides and Microscopic slides	Practical exams
10	1	O.H.	Pulp: Formation and Development	Data Show Slides and Microscopic slides	Semester exams+ quizzes
11	1	O.H.	Pulp Stone , Clinical Consideration	Data Show Slides and Microscopic slides	Practical exams
12	1	O.H.	Root formation	Data Show Slides and Microscopic	Semester exams+ quizzes+seminars

				slides	
13	1	O.H.	Clinical Consideration	Data Show Slides and Microscopic slides	Practical exams
14	1	O.H.	Cementum: Physical and Chemical Properties	Data Show Slides and Microscopic slides	Semester exams+ quizzes
15	1	O.H.	Cementogenesis	Data Show Slides and Microscopic slides	Practical exams
16	1	O.H.	Clinical Consideration	Data Show Slides and Microscopic slides	Semester exams+ quizzes
17	1	O.H.	Periodontium	Microscopic slides	Practical exams
18	1	O.H.	Principle fibers grouping	Data show slides	Semester exams+ quizzes
19	1	O.H.	Oral Mucosa	Microscopic slides	Practical exams
20	1	O.H.	Non keratinized epithelium	Microscopic slides	Semester exams+ quizzes
21	1	O.H.	Keratinized epithelium	Microscopic slides	Practical exams
22	1	O.H.	Junctional epithelium	Data show slides	Semester exams+ quizzes
23	1	O.H.	Salivary glands	Data show slides	Practical exams
24	1	O.H.	Eruption	Data show slides	Semester exams+ quizzes
25	1	O.H.	Shedding	Data show slides	Practical exams
26	1	O.H.	Maxillary sinus	Data show slides	Semester exams+ quizzes
27	1	O.H.	Temporomandibular joint	Seminar discussion	Practical exams
28	1	O.H.	Histochemistry	Seminar discussion	Semester exams+ quizzes
29	1	O.H.	Identification of glycogen in oral tissue	Seminar discussion	Practical exams
30	1	O.H.	Uses of PAS and Alcian stain	Data show slides and lab.slide preparation	Semester exams+ quizzes

Lab number	Laboratory Sessions	Hours
1	Slide preparation: Sectioning. Staining	1
2	Development of the teeth	1
3	Morphogenesis and Histogenesis	1
4	Enamel: physical and chemical characters	1
5	Amelogenesis, ameloblast life cycle	1
6	Clinical consideration: Genetic and local factors	1
7	Dentine: physical and chemical properties	1
8	Dentinogenesis: Different kinds of dentin	1
9	Odontoblast life cycle, innervation theories	1
10	Pulp: Formation and Development	1
11	Pulp stone, Clinical consideration	1
12	Root formation	1
13	Clinical consideration	1
14	Cementum: Physical and chemical characters	1
15	Cementogenesis	1
16	Clinical consideration	1
17	Periodontium	1
18	Principles fiber grouping	1
19	Oral mucosa	1
20	Non Keratinized epithelium	1
21	Keratinized epithelium	1
22	Junctional epithelia	1
23	Salivary glands	1
24	Eruption of teeth	1
25	Shedding of deciduous teeth	1
26	Maxillary sinus	1
27	Temporomandibular joint	1
28	Histochemistry	1
29	Identification of glycogen in oral tissue	1
30	Uses of PAS and Alcian stain	1
Total		**30**

11. Infrastructure	
1. Books Required reading:	1-Ten Cate's Oral Histology development Structures and function. Antonio Nanci 9th edition. 2017 2- Orbans Oral Histology and embryology Kumar. 14th edition. 2015
2. Main references (sources)	
A- Recommended books and references (scientific journals, reports…).	
B-Electronic references, Internet sites…	Benefit from the lectures posted on college website.

12. The development of the curriculum plan
Developing the course in line with global development in dentistry.
