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 programmer specification.

1. Teaching Institution	Al-Hilla University
2. University Department/Centre	College of Dentistry
3. Course title/code	
4. Modes of Attendance offered	Theory and Practical
5. Semester/Year	2024/2025
6. Number of hours tuition (total)	30Hrs theory .60 Hrs. Practical
7. Date of production/revision of this specification	23/10/2024
8. Aims of the Course	
Preparing medical cadres specialised in Oral, Maxillofacial and Dental Medicine and Surgery at a distinguished scientific and professional level. The faculty has a special dental teaching clinics, where students are clinically trained in modern clinics and in all academic disciplines of dentistry (Oral, Maxillofa-cial and Dental Medicine and Surgery, prosthodontics, pedodontics and preventive dental medicine, orthodontics, dental plas-tic surgery, periodontics and oral diagnosis using the latest techniques, in addition to delivering lectures and teaching the students in various scientific and applied laboratories, and the duration of the study in the faculty is five years.	

9· Learning Outcomes, Teaching, Learning and Assessment Methods

A- Cognitive objectives

1-Teaching students the basics of Oral and maxillofacial surgery

2-Teaching the students how to extract the scientific data through scientific research and understanding different clinical skills.

3-Enabling the students to manage the specialized dental clinics.
4. Enabling the students to diagnose different dental and oral disease.
5. Enabling the student in how to provide the dental treatment with maximum quality standards.
6. Making the students understands the dentistry is a humanity job

B-The skills goals special to the course.

1- Explain different subjects in the basics of Oral and maxillofacial surgery.

2-Giving them the skills of local anasthesia, techniques , complications and how to manage it.

3-Giving them the skills of teeth extraction techniques, possible complications and how to avoid it.

10. Teaching and Learning Methods

A. Theoretical and practical Lectures
B. Practical Labs. lecture.
C. Videos for each theoretical lecture.
D. Pictures for each type of materials.
E. method of manipulation of material.

11. Assessment methods

A. Quizzes.
B. 1st course theory
C. 1st course practical
D. Midyear Exam theory
E. Midyear exam practical
F. 2nd course theory
G. 2nd course practical
H. Final exam practical
I. Final exam theory

12. Affective and value goals

. Enabling student to do critical appraisal and critical thinking in solving different clinical cases.

12. Teaching and Learning Methods

Through lectures, laboratories, field observations, using available means of illustration, scientific films, accessing the Internet, and visiting libraries.

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

- The teacher uses modern methods in teaching.
- Using advanced electronic methods to calculate exam grades.
- Use modern methods in student tests.
- Using the student's classroom activities through which grades are calculated for the student.

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13. Course Structure					
Week	Hours	ILOs	Unit/ Module or Topic Title	Teaching Method	Assessment Method
1	1	Diagnosis in oral surgery History taking Demographic data Chief complaint History of present complaint Past dental and medical history Social and family history		Lectures and discussion	Oral and written tests
2	1	Diagnosis in oral surgery Examination Extra-oral examination Intra-oral examination Differential diagnosis Diagnosis of pain, lump, and ulcer Consent		Lectures and discussion	Oral and written tests
3	1	Infection Control in Surgical Practice Communicable pathogenic organisms Aseptic techniques Terminology Concepts Techniques of Instrument Sterilization; Sterilization with Heat; Sterilization with Gas Techniques of Instrument Disinfection		Lectures and discussion	Oral and written tests

4	1	Infection Control in Surgical Practice Maintenance of Sterility Surgical Field Maintenance Operatory Disinfection Surgical Staff Preparation Postsurgical Asepsis		Lectures and discussion	Oral and written tests
5	1	Extraction of teeth and Contra indications of extraction Extraction of teeth (exodontia). Definition. Methods of extraction. Indications of teeth extraction. 1 71 Severe caries. Severe periodontal disease. Pulp pathology. Apical pathology. Orthodontic reasons. Prosthetic considerations. Impacted teeth. Supernumerary teeth. Tooth in the line of fracture of the jaws. Teeth in relation with pathological conditions. Retained roots. Prior to irradiation. Focal sepsis. Aesthetic.		Lectures and discussion	Oral and written tests

6	1	Extraction of teeth and Contra indications of extraction Contra-indications of teeth extraction. Local contra-indications. Systemic contra-indications. Pre-extraction evaluation. Clinical preoperative evaluation. General evaluation. Local evaluation. Radiological evaluation. Objectives and benefits		Lectures and discussion	Oral and written tests
7	1	General arrangement for extraction and Dental forceps (types) Light. Position of the operator. Position of the patient. Height of the dental chair. Parts of dental forceps. Forceps for the maxillary teeth. Forceps of upper anterior teeth. Forceps of upper premolars. Forceps of upper molars. Bayonet of upper posterior teeth.		Lectures and discussion	Oral and written tests

8	1	General arrangement for extraction and Dental forceps (types) Forceps for the mandibular teeth. Forceps of lower anterior teeth. Forceps of lower premolars. Forceps of lower molars. Bayonet of lower posterior teeth. Mechanical principle of forceps (traditional) extraction. Physic forceps. Parts. Mechanical principle and technique		Lectures and discussion	Oral and written tests
9	1	Techniques of forceps extraction and post-operative instructions Soft tissue retraction. Handling of the forceps. Cheek retraction and support (the use of the non-working hand). The application of the forceps blades to the tooth (tooth grasp). The displacement of the tooth from its socket. Post-operative care to the extraction socket. Instruction to the patient.		Lectures and discussion	Oral and written tests

10	1	Elevators Line of withdrawal. Point of application. Parts of dental elevators. Mechanical principles of using dental elevators. Wheel and axil. Fulcrum. Wedging. Combination of mechanical principles.		Lectures and discussion	Oral and written tests
11	1	Elevators Clinical uses of elevators. Straight elevators. Coupland's chisel. Cryer's elevator. Winter's elevator. Apexo elevator. Warwick-James elevator. Guiding principles for using dental elevators. Complications of using dental elevators.		Lectures and discussion	Oral and written tests

12	1	Complications of dental extraction Failure to secure anesthesia. Failure to remove the tooth with either forceps or elevator. Fracture (#) of crowns and roots, alveolar bone, maxillary tuberosity, adjacent or opposing tooth, mandible. Dislocation of the tempro-mandibular joint (T.M.J.). Displacement of a root into the soft tissue and tissue spaces and the maxillary antrum. Complications of dental extraction Excessive bleeding after extraction. Damage to the surrounding soft tissues. Post -operative pain. Post-operative swelling. Creation of an oro-anrtal communication. Trismus.		Lectures and discussion	Oral and written tests

13	1	Basic surgical instruments Instruments of basic oral surgery. Instruments to incise tissues. Instruments for elevating mucoperiosteum. Instruments for controlling hemorrhage. Hemostat (artery forceps). Instruments to grasp tissues. Toothed-tissue forceps. Allis tissue forceps. Instruments for removing bone. Rounger forceps (bone cutter and bone nibbler). Chisel and mallet. Bone file. Surgical burs and handpiece. Instruments to remove soft tissues from bony defects. Surgical curette. Instruments for suturing mucosa. Needle holder. Needles. Suture materials Scissors. Instruments for retraction of soft tissues. Cheek retractor. Mucoperiosteal flap retractor. Instruments for irrigation and for providing suction. Instrument of draping		Lectures and discussion	Oral and written tests

14	1	Introduction to local anesthesia Neurophysiology Mode and site of action of local anesthetic Active forms of local anesthetics		Lectures and discussion	Oral and written tests
15	1	Pharmacology of local anesthesia Pharmacokinetics of local anesthetics Metabolism Systemic actions of local anesthetics		Lectures and discussion	Oral and written tests
16	1	Pharmacology of local anesthesia Vasoconstrictors Mode of action Dilutions of vasoconstrictors Specific agents		Lectures and discussion	Oral and written tests
17	1	Surgical anatomy in local anesthesia Trigeminal nerve: Ophthalmic branch Maxillary branch Mandibular branch		Lectures and discussion	Oral and written tests
18	1	Surgical anatomy in local anesthesia Osteology of the maxilla Osteology of the mandible		Lectures and discussion	Oral and written tests
19	1	Instruments of local anesthesia The Syringe The Needle The Cartridge Additional Armamentarium Preparation of the Armamentarium		Lectures and discussion	Oral and written tests

20	1	Techniques of local anesthesia Basic injection techniques Techniques of maxillary anesthesia Local infiltration. Posterior superior alveolar nerve block Middle superior alveolar nerve block Anterior superior alveolar nerve block (infraorbital nerve block) Greater palatine nerve block Nasopalatine nerve block Maxillary nerve block		Lectures and discussion	Oral and written tests
21	1	Techniques of local anesthesia Techniques of local anesthesia Techniques of mandibular anesthesia Inferior alveolar nerve block Buccal nerve block Mandibular nerve block: The Gow-Gates technique Vazirani-Akinosi closed-mouth mandibular block Mental nerve block Incisive nerve block		Lectures and discussion	Oral and written tests
22	1	Techniques of local anesthesia Supplemental injection techniques Intraosseous injection Periodontal ligament injection Intraseptal injection Intrapulpal injection		Lectures and discussion	Oral and written tests

23	1	Complications of local anesthesia Local Complications Needle breakage Prolonged anesthesia (paresthesia) Facial nerve paralysis Ocular complications Trismus Soft tissue injury Hematoma		Lectures and discussion	Oral and written tests
24	1	Complications of local anesthesia Pain on injection Burning on injection Infection Edema Sloughing of tissues Postanesthetic intraoral lesions		Lectures and discussion	Oral and written tests
25	1	Complications of local anesthesia Systemic complications Overdose Allergy		Lectures and discussion	Oral and written tests
26	1	Advances in local anesthesia Computer controlled local anesthetic delivery Articaine hydrochloride Local anesthesia reversal Buffering of local anesthetic solution Nasal local anesthetic mist for maxillary nonmolar teeth		Lectures and discussion	Oral and written tests

27	1	Conscious sedation Sedation techniques: Oral, sublingual, transdermal, intranasal, intramuscular, intravenous and inhalational Nitrous oxide Complications and medicolegal considerations		Lectures and discussion	Oral and written tests
28	1	Fundamentals of general anesthesia Types of general anesthesia used in dentistry Advantages Disadvantages Indications Contraindications		Lectures and discussion	Oral and written tests
29	1	Medical emergencies during dental treatment Overview of medical emergencies Basic measures, equipment and drugs Common emergencies Collapse Anaphylaxis Cardiac arrest		Lectures and discussion	Oral and written tests
30	1	Medical emergencies during dental treatment Diabetic collapse due to hypoglycemia Fits and convulsions Adrenal crisis Acute severe asthma Chest pain		Lectures and discussion	Oral and written tests
Total. 30					

14. Infrastructure	
1. Books Required reading:	1. Contemporary oral and maxillofacial surgery 5th edition 2008. 2. Extraction of teeth. 3. Handbook of Local anesthesia 6th edition 2011.
2. Main references (sources)	1. Contemporary oral and maxillofacial surgery 5th edition 2008. 2. Extraction of teeth. 3. Handbook of Local anesthesia 6th edition 2011.
A- Recommended books and references (scientific journals, reports…).	
B-Electronic references, Internet sites…	

15. The development of the curriculum plan
1. Arrangements of seminars by students 2.The study includes practical training on surgical instruments and instruments used in local anesthesia. 3. 4. 5. 6. 7. 8.

No.	Laboratory sessions & Clinical requirements	Hours
1	Introduction	2
2	What is oral and maxillofacial surgery?	2
3	History and diagnosis (1).	2
4	History and diagnosis (2).	2
5	Case sheet and patient (1)	2
6	Case sheet and patient (2)	2
7	Examination.	2
8	Surgical instruments part (1).	2

No.	Laboratory sessions & Clinical requirements	Hours
9	Surgical instruments part (2).	2
10	Surgical instruments part (3).	2
11	Examination	2
12	General arrangement for extraction.	2
13	Position of patient, operator, the use of chair (in the clinic)	2
14	Examination.	2
15	Local anesthesia (introduction)	2
16	Dental forceps (part 1).	2
17	.Dental forceps (part 2)	2
18	.Dental forceps (part 3)	2
19	.Dental elevator (part 1)	2
20	Dental elevator (part 2).	2
21	.Dental elevator (part 3)	2
22	Examination	2
23	Local anesthesia (surgical), (anatomy)	2
24	.Local anesthesia equipment	2
25	Local anesthesia techniques .(infiltration)	2
26	.Local anesthesia techniques (block)	2
27	Local anesthesia techniques .(discussion)	2
28	Complication of local anesthesia	2
29	Complication of extraction.	2
30	Examination	2
Total		60

Name and Signature: Dr. HUDA DHAHIR