



Beni-Suef University  
Faculty of Dentistry  
Quality Assurance Unit



## Course Specification

University: **Beni-Suef** Faculty: **Dentistry**  
Course Title: **Oral surgery and General Anesthesia** Course code: **DSG-4/DSG-5**  
Program on which the course is given: **Bachelor degree in Dentistry, Graduate Program**  
Department offering the course: **Oral and Maxillofacial Surgery Department**  
Academic year: **(2023-2024)**  
Date of specification approval: **27/ 8/ 2023**

### A- Basic Information

Academic Year:	Third year (2023-2024)	Fourth year(2023-2024)
Course Code:	DSG-4	DSG-5
Theoretical (contact hours)	2 hrs	1 hrs
Practical (contact hours)	2 hrs	2 hrs
Total Hours: -	4 hrs per week	3 hrs per week
Prerequisite, if any:		

## **B-Professional Information:**

### **The overall aim of the course:**

1. To provide the students with all basic principles related to sterilization, disinfection, and aseptic practice.
2. To equip the students with the skills and knowledge expected related to the administration of local anesthesia for the different dental and oral surgery procedures
3. To make the students more acquainted with clinical experience in acquiring a patients' case history and performing the physical examination of patients requiring minor oral surgery.
4. To provide the students with all the basic principles and techniques in oral and maxillofacial surgery.
5. To enable the student to have intellectual, clinical, and problem-solving skills in basic, complicated exodontia and practice minor oral surgical procedures based on an outpatient population.
6. To provide the students with the principles of conscious sedation and general anesthesia.

## II. INTENDED LEARNING OUTCOMES OF THE COURSE (ILOS):

***a-Knowledge and Understanding*** *By the end of the course, the students should be able to demonstrate the Knowledge and Understanding of:*

a-1	Define the mechanism of pain control and local anesthetics' action and recognize the role of the different local anesthetic agents and vasoconstrictors.
a-2	Describe the different local anesthetic techniques and recognize the local and systemic complications of local anesthesia.
a-3	Describe the technique of forceps extraction and the use of dental elevators for uncomplicated exodontia and the related complications.
a-4	Define the diagnosis and treatment of impacted teeth as well the principles of the surgical tooth extraction
a-5	Entail the steps undertaken to properly manage medically compromised patients and emergencies in the dental office
a-6	Illustrate the pre-prosthetic surgical procedures, the various ridge augmentation procedures and procedures, and precautions of placement of dental implants.
a-7	Identify the causes of odontogenic infection, mechanisms, routes of spread of infection, and principles of treatment within the scope of the general dentist
a-8	Identify the clinical examination and the management of oroantral communications and lesions of the maxillary sinus
a-9	List the classification of cysts, tumors, and salivary gland disease involving the oral and maxillofacial region and identify the types of biopsies and the various maneuvers of surgical management.

a-10	Define myofascial pain and describe the methods of management of orofacial pain
a-11	Describe the emergency treatment of the patient who has sustained facial trauma and the principles of assessment and treatment
a-12	List the different temporomandibular joint disorders and describe the conservative and surgical management of temporomandibular joint disorders
a-13	Define the principles of reconstruction and surgical techniques used to correct maxillofacial defects and deformities.
a-14	List the classification of Oro-facial clefts and identify the primary lines of treatment
a-15	List the classification of facial deformities and the basics of Orthognathic surgery
a-16	Describe conscious sedation and general anesthesia for both outpatient and inpatient Surgery

**b- Intellectual Skills**

b-1	Choose the appropriate referral of patients for specialist advice or treatment.
b-2	- Assess the moral and ethical responsibilities involved in the provision of care to individual patients including those with special needs, and to members of diverse and vulnerable populations
b-3	Assess appropriately patients' rights, particularly with regard to confidentiality and valid consent, and patients' obligations, safety and autonomy.
b-4	Interpret, analyze, and correlate clinical, laboratory data and special investigations to help formulate a proper diagnosis and treatment plan and establish a risk assessment of the various treatment modalities.

b-5	Formulate the advantages and disadvantages of relevant treatment plans with patients
b-6	Relate between oral health problems, the patient's medical condition, and the drugs that would impact dental care.

***c- Practical Skills*** *By the end of the course, students should be able to:*

c-1	Perform an appropriate physical examination, including intraoral, head, and neck examination, Collect and record personal data, medical history, and vital signs and perform pre-anesthetic evaluation/premedication.
c-2	Execute infection control and asepsis standards. Prepare and drape a patient for a minor oral surgical procedure Prepare the armamentarium and the treatment environment for minor oral surgery procedures
c-3	Elicit the special investigations relevant to the oral surgery practice and adequately write a referral letter
c-4	Administer infiltration and block local anesthesia properly
c-5	Perform exodontia and basic minor oral surgery procedures, including removal of roots, simple wisdom teeth, apicoectomy, and proper suturing technique.
c-6	Address postoperative instructions to the patient. Prescribe appropriate drugs and monitor their effectiveness and safety.
c-7	Manage medical and surgical emergencies that may arise in the outpatient clinic, perform and execute essential life support
c-8	Diagnose and manage acute and chronic odontogenic infections within the scope of the general dentist
c-9	Prepare and assist biopsy procedures as incorporated into general practice
c-10	Examine maxillofacial trauma patients & and Perform emergency treatment
c-11	Examine the temporomandibular joint & related musculature

**d- General Transferrable Skills By the end of the course, students should be able to:**

d-1	Communicate and appraise clinical problems and treatment plans with other specialties involved in the treatment of patients and working with a team concept.
d-2	Manage patients with confidence, sympathy, and Understanding & appropriately discharge patients.
d-3	Appraise lifelong learning, problem-solving and information technology skills, critical thinking, self-assessment, and continuous professional development
d-4	Utilizing different sources of knowledge and access to information, including information technology, to serve the practice.
d-5	Appraise the importance of self-learning and continuous professional development

**III. COURSE CONTENTS:**

**Third-year course syllabus/topics:**

A	Topic	Lecturer	Lecture	Practical	Weight
1	Pharmacology of the local anesthesia	Dr. Mohamed Abdelmoez	4	4	16
2	Anatomy of the trigeminal nerve	Dr. Mohamed Omran	1	1	4
3	Aramamentirium of L A	Dr. Mohamed Omran	1	1	1
4	Local anesthetic techniques	Dr. Mohamed Omran	4	4	16
5	Complications of LA	Dr. Samir El Borolosy	2	2	8
6	Principles of simple & surgical extraction	Dr. Mohamed Mosleh	2	2	8
7	Principles of Oral Surgery	Dr. Mohamed Mosleh	1	1	4
8	Management of Impacted teeth	Dr. Ahmed Al Ghandour	2	2	8
9	Management of surgical complications	Dr. Mohamed Mosleh	1	1	4
10	Management of Medically compromised	Dr. Mohamed Elshamaa	2	2	8
11	Pre prosthetic surgery	Dr. Samir El Borolosy	2	2	8

B	Topic	ILOs	Teaching method	Assess. method	Lecture	Practical	Weight
1	Pharmacology of the local anesthesia	a1,a2	L	MCQ	4	4	16
2	Anatomy of the trigeminal nerve	a1,a2	L	MCQ	1	1	4
3	Aramamentirium of L A	a1,a2,c2	P group teaching	OSCE	1	1	1
4	Local anesthetic techniques	a1,a2,c1 c2,c3,c4 c5,c6	L, P group teaching	MCQ,	4	4	16
5	Complications of LA	a2,b1,c6 c7	L	MCQ	2	2	8
6	Principles of simple and surgical extraction (online)	a3,a4, b2,b3,b4 c2,c3,c4 c5	L, P Demo	OSCE	2	2	8
7	Principles of Oral Surgery	a4,c2	L, P Demo	MCQ	1	1	4
8	Management of Impacted teeth	a3,a4,b3 b4,b5,c2 d3	L	MCQ,Essay	2	2	8
9	Management of surgical complications	a3,b1,b2 b4,c6,c7	L,P	MCQ,Essay	1	1	4
10	Management of Medically compromised	a5,b1,b4 b6,c1,c7 d2	L,P role play	MCQ,Essay	2	2	8
11	Pre prosthetic surgery	a6,b4,b5 c2,d1	L	MCQ,Essay	2	2	8

**Fourth-year course syllabus/topics:**

A	Subject	Lecturer	Lecture	Practical	Weight
1	Oral and Maxillofacial infection	Dr. Mohamed Omran	3	3	9
2	Surgery of the Maxillary Sinus	Dr. Mohamed Mosleh	2	2	6
3	Oral and Maxillofacial Cysts	Dr. . Mohamed Mosleh	2	2	6
4	Oral and Maxillofacial Tumors	Dr. Mohamed Elshamaa	2	2	6
5	Maxillofacial injuries	Dr. Samir El Borolosy	4	4	12
6	Temporomandibular joint	Dr. Mohamed Abdelmoez	4	3	10

	disorders				
7	Orofacial pain	Dr. Ahmad ALGhandour	1	1	3
8	Orthognathic Surgery	Dr. Ahmed Al Ghandour	1	1	3
9	Salivary glands	Dr. Ahmed Al Ghandour	2	1	4
10	Reconstruction of the Maxillofacial region	Dr. Mohamed Elshamaa	1	1	3
11	Maxillofacial clefts	Dr. Mohamed Elshamaa	1	1	3
12	Dental implants	Dr. Mohamed Omran	1	1	4
13	General Anesthesia	Dr Ahmed Gouda	1	1	3

**Fourth-year course syllabus/topics:**

A	Topic	ILOs	Teaching method	Assess, method	Lecture	Practical	Weight
1	Oral and Maxillofacial infection	a7,b4 b6,c8	L	MCQ Essay	3	3	9
2	Surgery of the Maxillary Sinus	a8,b1,b4 c6,d1	L	MCQ Essay	2	2	6
3	Oral and Maxillofacial Cysts	a9,b1,b4 c6,d2	L	MCQ Essay	2	2	6
4	Oral and Maxillofacial Tumors	a9,d1,b3 b4,b6,c9, d1,d2	L	MCQ Essay	2	2	6
5	Maxillofacial injuries	a11,b1 b4,b5,b6 c10	L	MCQ Essay	4	4	12
6	Temporomandibular joint disorders	a12,b1 b4,b5,b6 c11,d4 d5	L	MCQ Essay	4	3	10
7	Orofacial pain (online)	a10,b2, b6,c6,d1, d5	L	MCQ Essay	1	1	3
8	Orthognathic Surgery	a15,b1 b3,b4,b5 b6,d4,d5	L	MCQ SAQ	1	1	3
9	Salivary glands	a9,b3,b4 b5,b6,c7 d4	L	MCQ	2	1	4
10	Reconstruction of the Maxillofacial region	a13,b1, b3,b4,b5 b6,d4	L	MCQ SAQ	1	1	3



11	Maxillofacial clefts	a14,d1	L	MCQ	1	1	3
12	Dental implants	a6,b4, b5,c2,d1	L	MCQ SAQ	1	1	4
13	General Anesthesia	a16,b1, b4,b6,d1	L	MCQ	1	1	3

#### **IV- Teaching and learning methods**

a) Small group discussion / Brainstorming.	Yes
b) Interactive lecture	Yes
c) Demonstrations.	Yes Clinical demonstrations, demo posters, and samples- Powerpoint presentations
d) Online sessions	Yes
e) Online Activities	Yes

#### **V- Student assessment methods**

a. Written and short answer questions.	Yes
b. Written and extended essay.	Yes
c. Multiple choice questions (MCQ)	Yes
d. Practical	Yes
e. OSCE	Yes
f. Logbooks.	Yes

#### **Assessment methods:**

Method	Matrix alignment of the measured ILOs/ Assessments methods			
	K&U	I.S	P.S	G.S
Final Exam	a1 to a16	b1 to b5		d1 to d5
Practical Exam		b1 to b5	c1 to c11	d1 to d5
Oral Exam	a1 to a16	b1 to b5		d1 to d5

#### **Assessment schedule (third year)**

Quiz 1	Quiz 2	Logbook	Seminar & project	Total
12 <sup>th</sup> week	24 <sup>th</sup> week			
25 marks	25 marks	5 marks	5 marks	60

### Assessment schedule(fourth year)

Quiz 1	Quiz 2	Logbook	Seminar &project	Total
12 <sup>th</sup> week	24 <sup>th</sup> week			
10 marks	10 marks	5 marks	5 marks	30

### Weighting of assessments

Written	Practical	Oral Exam	Third year	Fourth year	Total
120	60	30	60	30	300

## VI. LEARNING AND REFERENCE MATERIALS:

### A-BASIC MATERIALS:

1. Teaching staff lecture notes and handouts: according to university regulation
2. Overhead projector, slide projector, and LCD projector (Data show),

### B-SUGGESTED MATERIALS:

Textbooks: Petersons, Kruger, Waite, Laskin and Fonseca, Malamed Local anesthesia. Available in the library, Faculty of Dentistry, Beni-suef University.

E-Learning / Web site: [dent.bsu.edu.eg](http://dent.bsu.edu.eg)

Course coordinator: *Dr. Mohammed Omran*

Head of department: *Ass. Prof Mohamed Mosleh*

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