

## Planning and Quality Assurance Affairs

Form (A)

### Course Specifications

#### General Information

Course name	Dental Anesthesia & Infection Control
Course number	DENT3208
Faculty	
Department	
Course type	College Needs
Course level	3
Credit hours (theoretical)	2
Credit hours (practical)	0
Course Prerequisites	

#### Course Objectives

- At the end of the course the students should: Be able to assess patients for minor surgical procedures, properly take physical examinations, advice investigations and plan treatment. Thoroughly understand the applied neuro-anatomy of the head and neck region. Understand the mechanism of pain conduction and the action of local anaesthetic agents. Techniques involved in infection control, sterilization, asepsis and disinfection. Armamentarium Anatomical considerations for injection techniques Basic and supplementary injection techniques Techniques of maxillary anaesthesia Techniques of mandibular anaesthesia Complications of LA

#### Intended Learning Outcomes

Knowledge and Understanding	* Should know neurophysiology associated with LA .Techniques and Mechanism of actions of LA. Complications of LA
Intellectual Skills	* Identify Technique of LA to be administered . Identify possible complication
Professional Skills	* Should develop skills for administrating LA
General Skill	* Should follow proper protocol for regular clinical attendance. Demonstrate ethical relationship with staff. Should develop good working relations with his professional colleagues. Should wear a neat apron/lab coat with name tag. Ensure proper handling of patients

#### Course Contents

- 1-Neurophysiology and Innervation 2-Pharmacology of LA 3-Clinical actions of specific agents 4-Armanterium 5-Anatomical considerations 6-Basic and supplementary injection Techniques 7-Techniques of maxillary anaesthesia 8- Techniques of mandibular anaesthesia 9-Complications of LA 10- Extra oral anesthesia

#### Teaching and Learning Methods

- Lectures on powerpoint. Clinical discussions & demonstrations on patients/live models. Clinical sessions under supervision by staff. Case presentations by students

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## Books and References

Essential books	. Contemporary Oral and Maxillofacial Surgery by James R. Hupp, Edward Ellis III, and Myron R. Tucker. 2008 2. Handbook of Local Anaesthesia- Malamed- 6th edition
Recommended books	1. Local Anaesthesia and Pain Control in Dental Practice- Monheim's- 8th edition 2. Local Anaesthesia in Dentistry by Paul D. Robinson PhD BDS MBBS FDS, Thomas R. Pitt Ford PhD BDS FDS, and Fraser McDonald PhD MSc BDS FDS MOrth. 2000. 3. Local Anaesthesia in Dentistry by J. A. Baart and H. S. Brand. 2008. 4. Manual of Local Anaesthesia in Dentistry by A.P. Chitre. 2006. 5. Local anaesthesia in dentistry: Illustrated handbook on dental local anaesthesia by J Haglund. 1978.6 . An Introduction to Oral and Maxillofacial Surgery (Oxford Medical Publications) by David A. Mitchell. 2006