

**DEH 214 - Dental Anatomy
PRACTICAL COURSE SYLLABUS
Second Semester 1436 – 1437 H**

Course code and title:	DEH 214 – Dental Anatomy
Credit hours:	4 hours total (including the didactic and practical)
Total practical contact hours:	30 hours/semester (2 hours/week)
Course prerequisites:	CLS 221, CHS 221
Level at which this course is offered:	Level 3
Time:	Tuesdays, 11am – 1pm
Location:	KSU Girls Campus, Building 11, 11F1 (Anatomy Lab)
Course faculty:	Course director: Dr. Kauser Praveen Phone: 011-805-55173; +966 50 751 0251 Office: 11T83 Email: kparveen@ksu.edu.sa

Practical course faculty:

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Practical course objectives: After completion of the practical course the student will be able to:

- Define the essential nomenclature used in dental anatomy: maxillary, mandibular, primary/deciduous dentition, permanent/succedaneous dentition, surfaces (labial, buccal, facial, lingual, palatal, occlusal, incisal, proximal, mesial, distal), anterior teeth, posterior teeth, crown, root, cusp, tubercle, cingulum, ridge, marginal ridge, triangular ridge, transverse ridge, oblique ridge, fossa, sulcus, developmental groove, supplemental groove, pit, lobe, etc.
- Differentiate the different teeth (incisors, canines, premolars, and molars) by looking at their general morphological/anatomical characteristics.
- Correctly number the primary and permanent dentition using the different numbering systems: Two-Digit System (FDI), Universal Notation System (ADA), and Palmer Notation System.
- Identify external and internal anatomical landmarks of teeth
- Carve a 3D model of an incisor, canine, premolar, and molar.

Practical Course Evaluation:

Practical Evaluation Grade Distribution	
Practical Continued Assessments:	10%
a) Weekly evaluation	(5%)
b) Weekly assignments	(3%)
c) Quizzes	(2%)
Practical Final Exam:	10%
a) Written part	(2%)
b) Carving part	(8%)
Total of didactic course grade:	20%

Practical Continued Assessments:

a) Weekly evaluation (5 points)

• **Professionalism:**

- 1) Attendance: Attendance of all practical sessions is mandatory. If a student misses a practical session due to an absence, the student is responsible for completing all practical work that was missed. Missed quizzes will not be made-up at a later date due to an absence.
- 2) Tardiness: Students must respect the scheduled lab time. If a student is over 15 minutes late, the student will be allowed to attend the practical session but will be considered absent.
- 3) Professional attire is expected at all times: Navy scrub suit with knee length lab coat **OR** long black skirt and top with knee length lab coat. Hair should be tied.
- 4) Respect of instructors and peers.

• **Preparation:**

- 1) At the beginning of each session, students are expected to prepare the work area and equipment (i.e. napkin placed on the work bench, soap and carvers out, pencil, ruler, and required diagrams/drawings).
- 2) At the end of each session, students are expected to clean the work area and return borrowed equipment to the assigned area.

• **Performance:**

- 1) Time management: completes practical assigned tasks within the assigned time frame.
- 2) Carving quality: illustrates the proper morphological tooth aspects and landmarks.
- 3) Finishing: carved tooth structures are smooth and well polished.

b) Weekly assignments (3 points)

- 1) **All assignment due dates are outlined in the Practical Course Outline.** Weekly assignments must be submitted on time. Late assignments will not be accepted.
- 2) Scientific information should be accurate and clear (i.e. correct terms and spelling are used).
- 3) Tooth drawings should be clear and accurately labeled.

c) Quizzes (2 points)

- 1) **All quiz dates are outlined in the Practical Course Outline.**

- 2) Quizzes will be distributed at the beginning of the practical session. If students are late, they will only have the remaining quiz time to complete the quiz. Missed quizzes will not be made-up at a later date due to an absence.
- 3) Quiz topics will touch on topics covered in the practical sessions (i.e. terms, numbering systems, identification of teeth and their morphological features, etc.)

Practical Final Exam

- 1) **The practical final exam date is outlined in the Practical Course Outline.** Expect the practical final exam to be cumulative (includes all topics and activities practiced in the practical session throughout the semester).
- 2) **The practical final exam will include:**
 - a) **A written part** similar to the quiz exam questions taken over the course of the semester to be solved within 5 minutes.
 - b) **A carving part** that will require the student to carve an assigned tooth within a two-hour time limit.

Equipment that will be used during practical sessions:

- Pen
- Pencil
- Ruler
- Note book
- Graph paper (for drawing teeth)
- Al-Wazire soap (for tooth carvings)
- Wax Knife (for tooth carvings)
- Lecrons Carver (for tooth carvings)
- Stockings (to polish soap tooth carvings)
- Napkin (to place on lab benches when carving)

References:

- 1) Tooth Carving Manual by Henry A. Linek. University of Southern California School of Dentistry, Los Angeles, California.
- 2) Dental Anatomy Its Relevance to Dentistry by Julian B. Woelfel and Rickne C. Scheid.

Practical Course Outline:

Week Scheduled/ Date	Topic	Assignment Due	Quiz
1 19/01/2016	An overview of the practical course with an explanation of its requirements		
2 & 3 26-02/01-02/2016	Introduction of tooth carving and review of tooth numbering systems		
4 09/02/2016	MAX. RIGHT INCISIOR carving, drawing and study model (Tue 30/04/1437H = Tue 09/02/2016)	Tooth measurements & drawing of Max. Rt. Incisor	
5 16/02/2016	Continues tooth carving, drawing and study model (Tue 07/05/1437H = Tue 16/02/2016)		Quiz 1
6 23/02/2016	Continues tooth carving, drawing and study model		
7 01/03/2016	MAX. RIGHT CUSPID (CANINE) carving, drawing and study model (Tue 21/05/1437H = Tue 01/03/2016)	Drawing of Max. Rt. Cuspid	
8 08/03/2016	Continues tooth carving, drawing and study model (Tue 28/05/1437H = Tue 08/03/2016)		Quiz 2
MID SEMESTER VACATION 02/06/1437H – 10/06/1437H ENJOY YOUR BREAK ☺			
9 22/03/2016	MAX. RIGHT 1ST BICUSPID (1ST PREMOLAR) carving, drawing and study model (Tue 13/06/1437H = Tue 22/03/2016)	Drawing of Max. Rt. 1 st Bicuspid	
10 29/03/2016	Continues tooth carving, drawing and study model (Tue 20/06/1437H = Tue 29/03/2016)		Quiz 3
11 05/04/2016	MAX. RIGHT 1ST MOLAR carving, drawing and study model (Tue 27/06/1437H = Tue 05/04/2016)	Drawing of Max. Rt. 1 st Molar	
12 12/04/2016	Continues tooth carving, drawing and study model (Tue 05/07/1437H = Tue 12/04/2016)		Quiz 4
13 19/04/2016	Continues tooth carving, drawing and study model		
14 26/04/2016	Completion of any unfinished lab work from previous practical sessions and revision		
15 03/05/2016	PRACTICAL FINAL EXAM (Tue 26/07/1437H = Tue 03/05/2016)		