



UNIVERSITY OF THE PHILIPPINES MANILA
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Department of Basic Dental Health Sciences

DENTISTRY 111: ORAL ANATOMY

ASSIGNMENT GUIDE FOR TOOTH CARVING

Task

Make mirror image carvings of the following teeth in wax on an articulated cast:

1. Maxillary central incisor
2. Maxillary cuspid
3. Maxillary 1st premolar
4. Maxillary 1st molar
5. Mandibular central incisor
6. Mandibular cuspid
7. Mandibular 1st premolar
8. Mandibular 1st molar

** Mirror image – identical in form but image is reversed*

Procedure

1. For this exercise, you will need the following materials
 - a. Upper and lower cast with knocked out teeth (to be provided)
 - b. Carving or inlay waxes
 - c. Articulator
 - d. Wax spatula no. 7 and 31
 - e. Wax carvers – Vehe carver, Roach carver, lecron carver, cleoid-discoid carver
 - f. Wax knife
 - g. Cotton or old stockings for polishing
 - h. Rubber mat
 - i. Metal scraper
2. Refer to the following guides to help you with your drawings.
 - a. Chapter 13: Guidelines for Drawing, Sketching and Carving Teeth. Woelfel's Dental Anatomy pp. 369 – 374.
 - b. Chapter 4: Tooth Carving. A Laboratory Guide in Tooth Drawing and Carving (1997) – in Course Site
 - c. Uploaded video by Dr. M. Segarra and Dr. M. Yñiguez on “How to Carve a Tooth”
3. After watching and reading the guides, start making a mirror image carving of the tooth. Carve only the crown of the tooth on the edentulous space. You can consult with your lab guru during laboratory supervision sessions and during consultation hours.



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4. When you think that your carving is satisfactory and ready for submission, you may approach your lab guru for grading even if it is before the deadline.

5. How to submit your carvings

Place the articulated cast in a container big enough to accommodate it. Make sure the cast and container are labeled with your name and student number. Please don't make the containers too big and bulky. Otherwise, the articulated cast might move around inside in transit and the carving inside might fracture.

Evaluation Criteria

CRITERIA	RATING			
General Form (3 pts)	3 The outline of the carving is exactly the same as that of the tooth model from all aspects.	2-1 The outline of the carving is the same as that of the tooth from <u>most</u> aspects and/or minor errors. With corners that are squarish. Needs modification.		0 The carving doesn't resemble the tooth model at all. Grossly undercarved.
Details	3 All the pertinent landmarks and characteristics as seen on the tooth are included in the carving.	2 75% of the pertinent landmarks and characteristics as seen on the tooth are included in the carving.	1 50-75% of the pertinent landmarks and characteristics as seen on the tooth are included in the carving.	0 Less than 50% of the pertinent landmarks and characteristics as seen on the tooth are included in the carving. The carving doesn't resemble the tooth model at all.
Accuracy of Measurements (3 pts, all or none)	3 All measurements are accurate.		0 Inaccurate measurements	
Polish	1 Carving is smooth and polished.		0 Carving has rough corners, markings of carvers still present. Lacks polish	



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Due date:

There are three (3) schedules for submission. Please strictly follow these schedules.

- | | |
|-------------|---|
| Schedule 1: | SEPTEMBER 25, 2024
Anterior Teeth (incisors and canines): 6 drawings, 4 carvings |
| Schedule 2: | OCTOBER 14, 2024
Premolar Teeth: 4 drawings, 2 carvings |
| Schedule 3: | NOVEMBER 18, 2024
Molar Teeth: 4 drawings, 2 carvings |