

Student Name: \_\_\_\_\_ Student ID# \_\_\_\_\_

**Assignment Evaluation Criteria**

**Assignment guidelines:**

- Weekly assignments are worth **3%** of the practical grade.
- Each individual assignment will be **graded out of 3** and then the total semester assignment grades will be **averaged**.
- Late assignments will accept a **grade of zero**.
- Assignments submitted at the end of the lab session will receive **a point deduction**.

<b>Dental Anatomy Assignment Evaluation Criteria</b>		<b>Faculty Evaluation</b>
<b>Assignment #1 Part A – Tooth measurements table:</b>		
<b>a)</b> Assignment submitted on time <b>(1 point)</b> <b>b)</b> Scientific information is accurate and clear: tooth measurements calculated correctly. <b>(1 point)</b> <b>c)</b> Assignment is professionally presented: tooth measurements table is neatly completed. <b>(1 point)</b>		<b>/3 points</b>
<b>Assignment #1 Part B – Drawing of the maxillary right central incisor:</b>		
<b>a)</b> Assignment submitted on time <b>(1 point)</b> <b>b)</b> Scientific information is accurate and clear: correct terms/labels and correct spelling is used. <b>(1 point)</b> <b>c)</b> Tooth drawings should be clear and accurately labeled: all tooth aspects are drawn (labial/buccal, lingual, mesial, distal, occlusal), roots of teeth are facing up, tooth outlines roughly resemble the shape and proportions of the tooth. <b>(1 point)</b>		<b>/3 points</b>
<b>Assignment #2 – Drawing of the maxillary right canine:</b>		
<b>a)</b> Assignment submitted on time <b>(1 point)</b> <b>b)</b> Scientific information is accurate and clear: correct terms/labels and correct spelling is used. <b>(1 point)</b> <b>c)</b> Tooth drawings should be clear and accurately labeled: all tooth aspects are drawn (labial/buccal, lingual, mesial, distal, occlusal), roots of teeth are facing up, tooth outlines roughly resemble the shape and proportions of the tooth. <b>(1 point)</b>		<b>/3 points</b>
<b>Assignment #3 – Drawing of the maxillary right premolar:</b>		
<b>a)</b> Assignment submitted on time <b>(1 point)</b> <b>b)</b> Scientific information is accurate and clear: correct terms/labels and correct spelling is used. <b>(1 point)</b> <b>c)</b> Tooth drawings should be clear and accurately labeled: all tooth aspects are drawn (labial/buccal, lingual, mesial, distal, occlusal), roots of teeth are facing up, tooth outlines roughly resemble the shape and proportions of the tooth. <b>(1 point)</b>		<b>/3 points</b>
<b>Assignment #4 – Drawing of the maxillary right molar:</b>		
<b>a)</b> Assignment submitted on time <b>(1 point)</b> <b>b)</b> Scientific information is accurate and clear: correct terms/labels and correct spelling is used. <b>(1 point)</b> <b>c)</b> Tooth drawings should be clear and accurately labeled: all tooth aspects are drawn (labial/buccal, lingual, mesial, distal, occlusal), roots of teeth are facing up, tooth outlines roughly resemble the shape and proportions of the tooth. <b>(1 point)</b>		<b>/3 points</b>
<b>Total</b>		<b>/15 points</b>

**Comments:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Faculty Name:** \_\_\_\_\_ **Faculty Signature:** \_\_\_\_\_

Student Name: \_\_\_\_\_ Student ID# \_\_\_\_\_

**Assignment #1 – Part A**

**Measurements of Teeth:**

**Maxillary Arch**

TEETH	Length Over All	Length of Crown	Mesio-distal Crown	Labio-lingual Crown	Mesio-distal Neck	Labio-lingual Neck
Central	25.5	11.3	9	7.8	6.5	7
Lateral	22.5	10.1	7	6.7	5	6.3
Cuspid	29	11.4	8.4	8.8	6	8
1 Bicuspid	22.5	9.3	7.5	9.7	5.3	8.7
2 Bicuspid	22.2	8.8	7.2	9.5	5.3	8.8
1 Molar	21.5	8	11.3	11.8	8	11
2 Molar	20.5	7.8	10	11.5	7.5	10.5
3 Molar	18.5	7.5	9.8	11.2	7.5	10.4

**Mandibular Arch**

TEETH	Length Over All	Length of Crown	Mesio-distal Crown	Labio-lingual Crown	Mesio-distal Neck	Labio-lingual Neck
Central	22	10	6	6.3	3.8	5.7
Lateral	24	10.6	6.5	6.7	4	6.3
Cuspid	29	11.5	7.3	8.3	5.5	8
1 Bicuspid	24	9.5	7.8	8.5	5	7.3
2 Bicuspid	24	9	7.8	9	5.2	7.7
1 Molar	22	8.2	11.9	10.8	9.2	9.5
2 Molar	21	8	11	10.3	9.2	9
3 Molar	19	7.5	10.7	10	8.7	9

Student Name: \_\_\_\_\_ Student ID# \_\_\_\_\_

**Assignment #1 – Part A**

• **Assignment task:**

Double (i.e. multiply by two) all of the “Measurements of Teeth” found on the previous page and record them in the assigned tables below. Please bring the completed assignment to each Dental Anatomy practical session throughout the semester, as the measurements will serve as a guide during the carving of tooth models. All assignments will be graded according to the assignment evaluation criteria.

**Measurements of Teeth:**

**Maxillary Arch**

TEETH	Length Over All	Length of Crown	Mesio-distal Crown	Labio-lingual Crown	Mesio-distal Neck	Labio-lingual Neck
Central						
Lateral						
Cuspid						
1 Bicuspид						
2 Bicuspид						
1 Molar						
2 Molar						
3 Molar						

**Mandibular Arch**

TEETH	Length Over All	Length of Crown	Mesio-distal Crown	Labio-lingual Crown	Mesio-distal Neck	Labio-lingual Neck
Central						
Lateral						
Cuspid						
1 Bicuspид						
2 Bicuspид						
1 Molar						
2 Molar						
3 Molar						

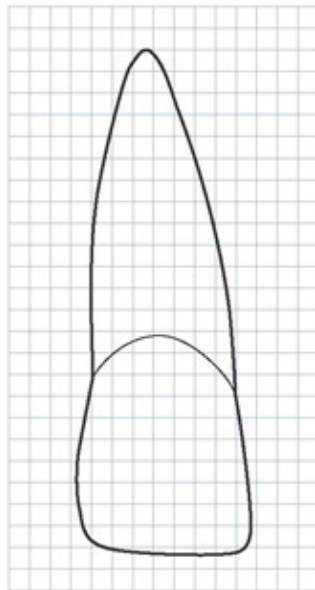
Student Name: \_\_\_\_\_ Student ID# \_\_\_\_\_

**Assignment #1 – Part B**

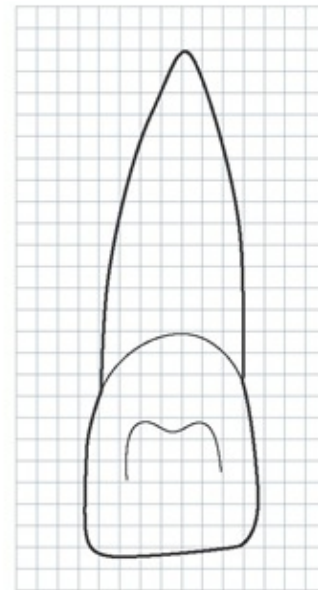
• **Assignment task:**

**Using pencil**, draw all the tooth aspects of the assigned tooth on **A4 graph paper**. Include the name of the assigned tooth as your **title** and **label** each tooth aspect. All assignments will be graded according to the assignment evaluation criteria.

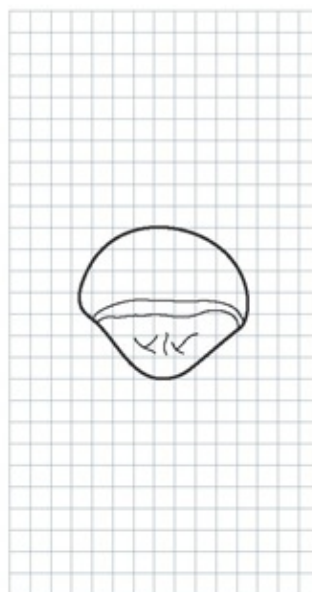
**Maxillary Right Central Incisor**



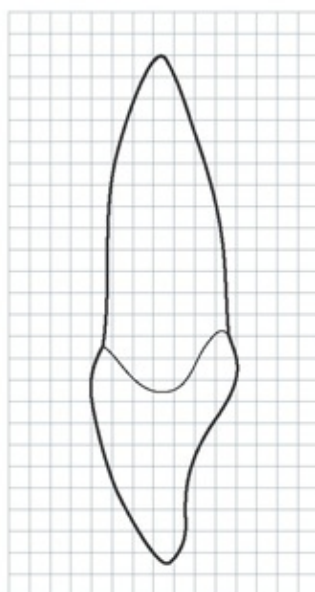
Labial



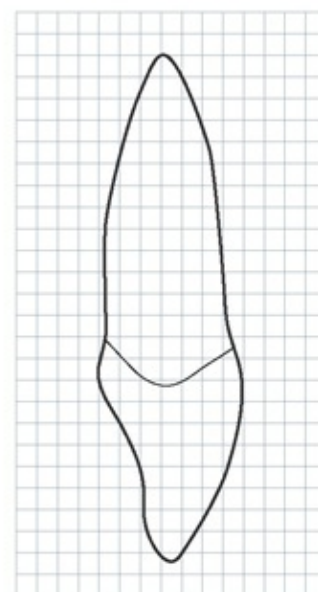
Lingual



Incisal



Mesial



Distal

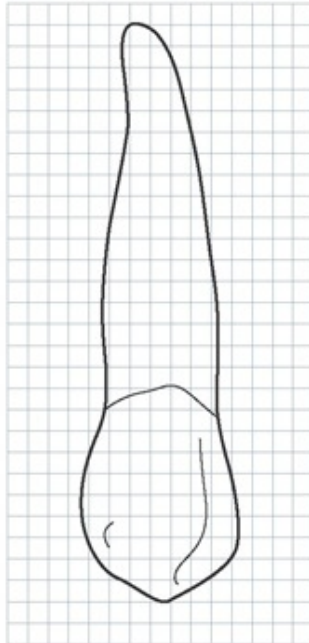
Student Name: \_\_\_\_\_ Student ID# \_\_\_\_\_

**Assignment #2**

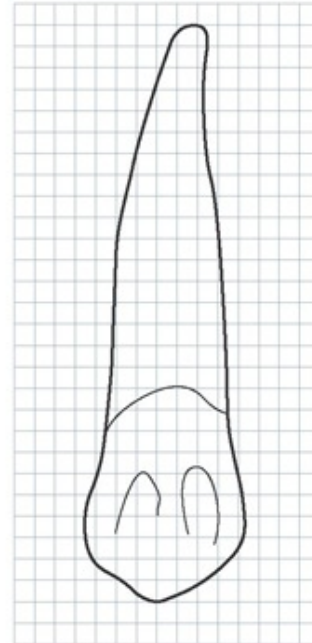
• **Assignment task:**

**Using pencil**, draw all the tooth aspects of the assigned tooth on **A4 graph paper**. Include the name of the assigned tooth as your **title** and **label** each tooth aspect. All assignments will be graded according to the assignment evaluation criteria.

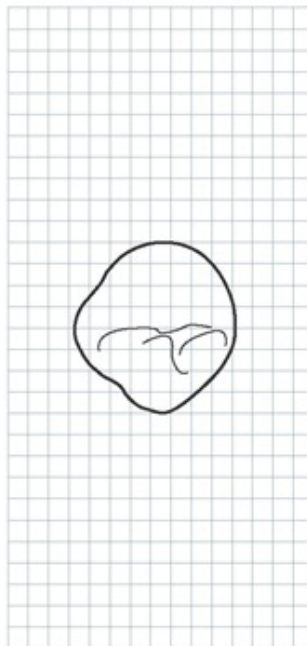
**Maxillary Right Canine (Cuspid)**



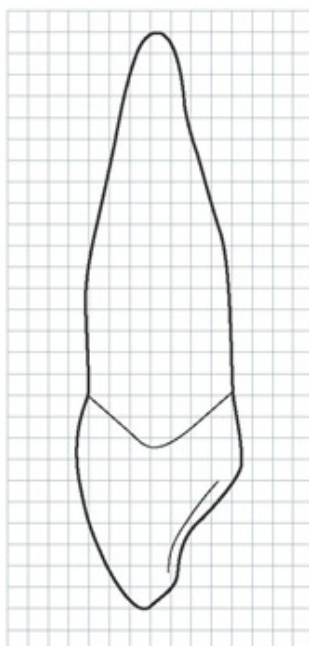
Labial



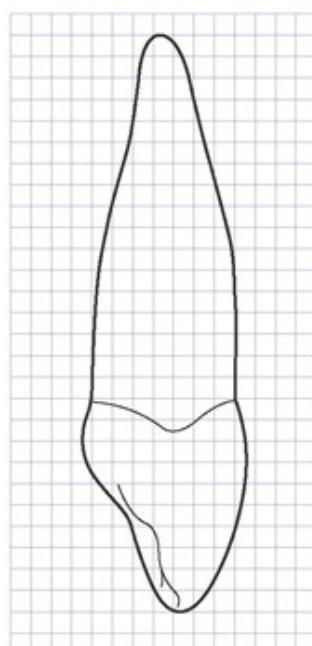
Lingual



Incisal



Mesial



Distal

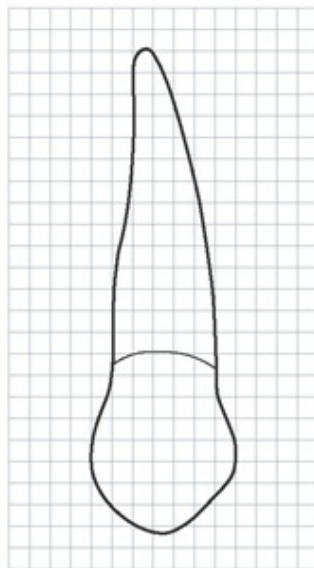
Student Name: \_\_\_\_\_ Student ID# \_\_\_\_\_

**Assignment #3**

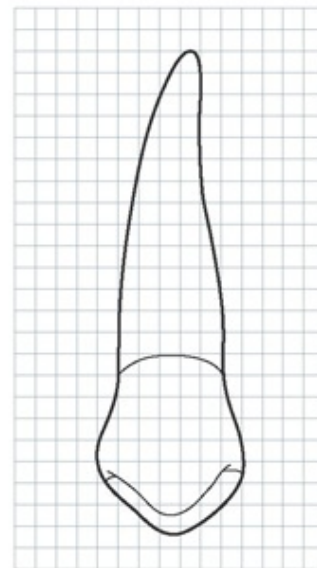
• **Assignment task:**

**Using pencil**, draw all the tooth aspects of the assigned tooth on **A4 graph paper**. Include the name of the assigned tooth as your **title** and **label** each tooth aspect. All assignments will be graded according to the assignment evaluation criteria.

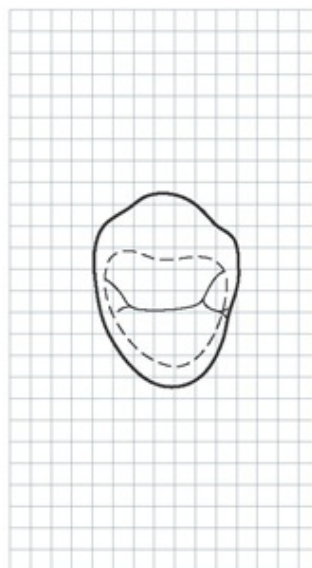
**Maxillary Right First Premolar (Bicuspid)**



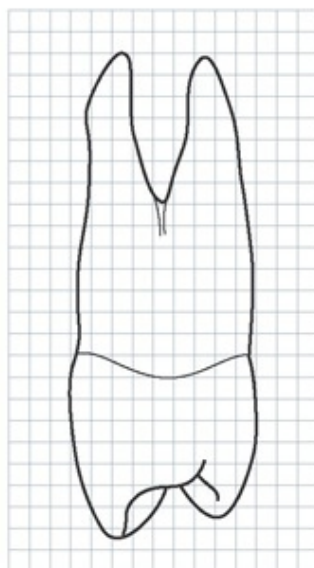
Buccal



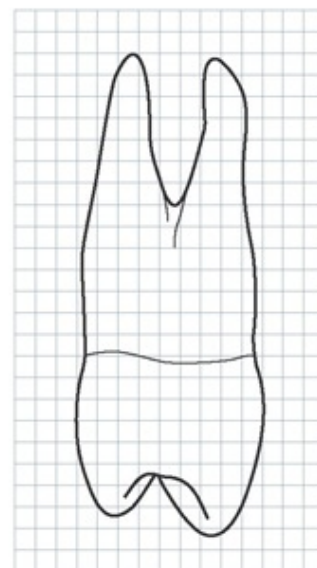
Lingual



Occlusal



Mesial



Distal

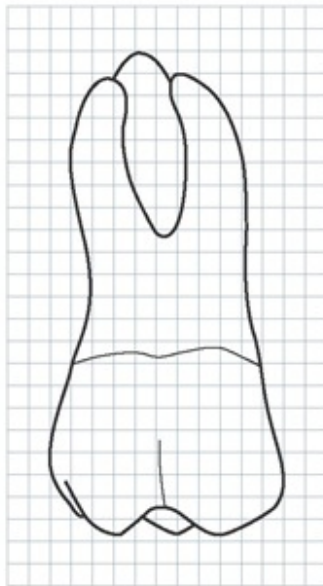
Student Name: \_\_\_\_\_ Student ID# \_\_\_\_\_

**Assignment #4**

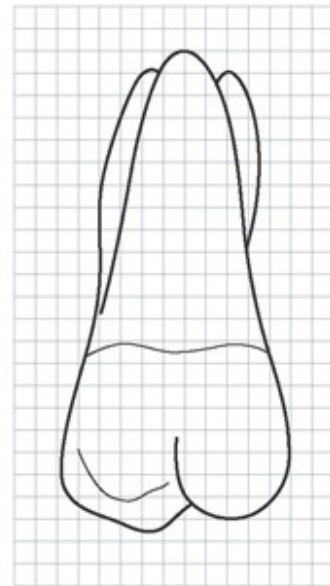
• **Assignment task:**

**Using pencil**, draw all the tooth aspects of the assigned tooth on **A4 graph paper**. Include the name of the assigned tooth as your **title** and **label** each tooth aspect. All assignments will be graded according to the assignment evaluation criteria.

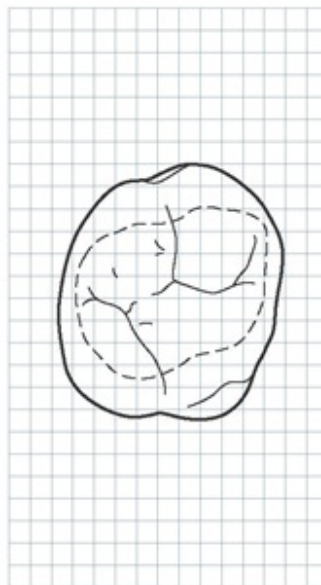
**Maxillary Right First Molar**



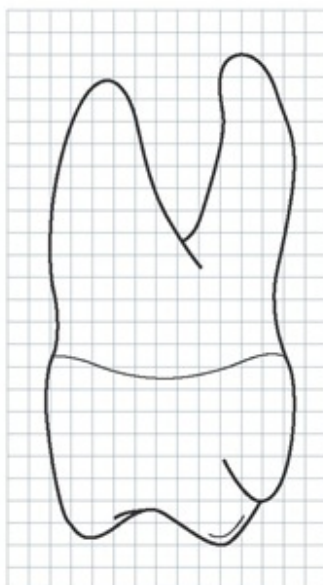
Buccal



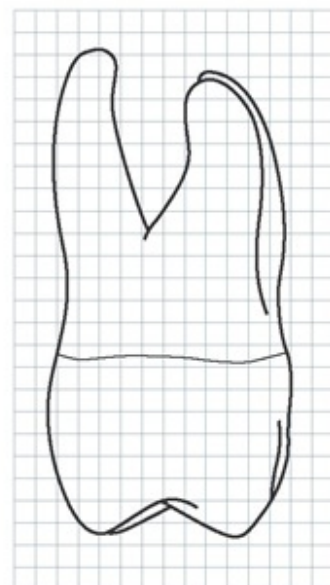
Lingual



Occlusal



Mesial



Distal

Student Name: \_\_\_\_\_ Student ID# \_\_\_\_\_

**Practical Session Continued Assessment Evaluation Criteria**

**Tooth model to be evaluated:** Maxillary Right Central Incisor

<b>Dental Anatomy Practical Session Evaluation Criteria</b>	<b>Faculty Evaluation</b>
<b>1) Attendance: (1 point total)</b> <b>a) Attendance average, according to the number of sessions allocated for each tooth model to be carved</b> <ul style="list-style-type: none"> <li>• Present = 1 point</li> <li>• Late = 0.5 points</li> <li>• Unexcused Absence = 0 points</li> </ul>	/1 point
<b>2) Preparation: (1 point total)</b> <b>a) At the beginning of each session:</b> the work area and equipment are prepared (i.e. napkin placed on the work bench, soap and carvers are out, pencil, ruler, and required diagrams/drawings are ready). <b>b) At the end of each session:</b> the work area is cleaned, all equipment is returned to its assigned area (i.e. containers, wax carvers/knives, lab stools/chairs), and trash is disposed of.	/1 point
<b>3) Performance: (8 points total)</b> <b>a) Time management:</b> the assigned task (i.e. tooth model to be carved) is completed within the assigned time frame according to the course outline. <b>(1 point)</b> <b>b) Tooth model carving quality:</b> <ul style="list-style-type: none"> <li>• <b>Morphology:</b> Conforms to the general morphological characteristics of the assigned tooth to be carved so that the morphological tooth aspects are clear and accurate (i.e. crown and root shape for each aspect, contact areas and curvatures, etc.). <b>(2 points)</b></li> <li>• <b>Landmarks:</b> All landmarks that pertain to the assigned tooth are clear and accurate (i.e. cervical lines, cingulum, fossa, cusps, ridges, grooves, pits, etc.). <b>(2 points)</b></li> <li>• <b>Crown-to-root ratio:</b> The crown-to-root ratio is roughly 1:2 so that the root/roots of the tooth to be carved are longer in relation to the crown. <b>(2 points)</b></li> <li>• <b>Finishing:</b> carved tooth is well-polished so that it appears smooth and shiny. <b>(1 point)</b></li> </ul>	/8 points
<b>Total</b>	<b>/10 points</b>

**Faculty comments:**

---

---

---

---

---

---

---

---

**Faculty Name:** \_\_\_\_\_

**Faculty Signature:** \_\_\_\_\_

Student Name: \_\_\_\_\_ Student ID# \_\_\_\_\_

**Practical Session Continued Assessment Evaluation Criteria**

Tooth model to be evaluated: Maxillary Right Canine

Dental Anatomy Practical Session Evaluation Criteria	Faculty Evaluation
<b>1) Attendance: (1 point total)</b> <b>a) Attendance average, according to the number of sessions allocated for each tooth model to be carved:</b> <ul style="list-style-type: none"> <li>Present = 1 point</li> <li>Late = 0.5 points</li> <li>Unexcused Absence = 0 points</li> </ul>	/1 point
<b>2) Preparation: (1 point total)</b> <b>a) At the beginning of each session:</b> the work area and equipment are prepared (i.e. napkin placed on the work bench, soap and carvers are out, pencil, ruler, and required diagrams/drawings are ready). <b>b) At the end of each session:</b> the work area is cleaned, all equipment is returned to its assigned area (i.e. containers, wax carvers/knives, lab stools/chairs), and trash is disposed of.	/1 point
<b>3) Performance: (8 points total)</b> <b>a) Time management:</b> the assigned task (i.e. tooth model to be carved) is completed within the assigned time frame according to the course outline. <b>(1 point)</b> <b>b) Tooth model carving quality:</b> <ul style="list-style-type: none"> <li><b>Morphology:</b> Conforms to the general morphological characteristics of the assigned tooth to be carved so that the morphological tooth aspects are clear and accurate (i.e. crown and root shape for each aspect, contact areas and curvatures, etc.). <b>(2 points)</b></li> <li><b>Landmarks:</b> All landmarks that pertain to the assigned tooth are clear and accurate (i.e. cervical lines, cingulum, fossa, cusps, ridges, grooves, pits, etc.). <b>(2 points)</b></li> <li><b>Crown-to-root ratio:</b> The crown-to-root ratio is roughly 1:2 so that the root/roots of the tooth to be carved are longer in relation to the crown. <b>(2 points)</b></li> <li><b>Finishing:</b> carved tooth is well-polished so that it appears smooth and shiny. <b>(1 point)</b></li> </ul>	/8 points
<b>Total</b>	<b>/10 points</b>

Faculty comments:

---

---

---

---

---

---

---

---

Faculty Name: \_\_\_\_\_

Faculty Signature: \_\_\_\_\_

Student Name: \_\_\_\_\_ Student ID# \_\_\_\_\_

**Practical Session Continued Assessment Evaluation Criteria**

**Tooth model to be evaluated:** Maxillary Right First Premolar

<b>Dental Anatomy Practical Session Evaluation Criteria</b>	<b>Faculty Evaluation</b>
<b>1) Attendance: (1 point total)</b> <b>a) Attendance average, according to the number of sessions allocated for each tooth model to be carved:</b> <ul style="list-style-type: none"> <li>• Present = 1 point</li> <li>• Late = 0.5 points</li> <li>• Unexcused Absence = 0 points</li> </ul>	/1 point
<b>2) Preparation: (1 point total)</b> <b>a) At the beginning of each session:</b> the work area and equipment are prepared (i.e. napkin placed on the work bench, soap and carvers are out, pencil, ruler, and required diagrams/drawings are ready). <b>b) At the end of each session:</b> the work area is cleaned, all equipment is returned to its assigned area (i.e. containers, wax carvers/knives, lab stools/chairs), and trash is disposed of.	/1 point
<b>3) Performance: (8 points total)</b> <b>a) Time management:</b> the assigned task (i.e. tooth model to be carved) is completed within the assigned time frame according to the course outline. <b>(1 point)</b> <b>b) Tooth model carving quality:</b> <ul style="list-style-type: none"> <li>• <b>Morphology:</b> Conforms to the general morphological characteristics of the assigned tooth to be carved so that the morphological tooth aspects are clear and accurate (i.e. crown and root shape for each aspect, contact areas and curvatures, etc.). <b>(2 points)</b></li> <li>• <b>Landmarks:</b> All landmarks that pertain to the assigned tooth are clear and accurate (i.e. cervical lines, cingulum, fossa, cusps, ridges, grooves, pits, etc.). <b>(2 points)</b></li> <li>• <b>Crown-to-root ratio:</b> The crown-to-root ratio is roughly 1:2 so that the root/roots of the tooth to be carved are longer in relation to the crown. <b>(2 points)</b></li> <li>• <b>Finishing:</b> carved tooth is well-polished so that it appears smooth and shiny. <b>(1 point)</b></li> </ul>	/8 points
<b>Total</b>	<b>/10 points</b>

**Faculty comments:**

---

---

---

---

---

---

---

---

**Faculty Name:** \_\_\_\_\_

**Faculty Signature:** \_\_\_\_\_

Student Name: \_\_\_\_\_ Student ID# \_\_\_\_\_

**Practical Session Continued Assessment Evaluation Criteria**

**Tooth model to be evaluated:** Maxillary Right First Molar

<b>Dental Anatomy Practical Session Evaluation Criteria</b>	<b>Faculty Evaluation</b>
<b>1) Attendance: (1 point total)</b> <b>a) Attendance average, according to the number of sessions allocated for each tooth model to be carved:</b> <ul style="list-style-type: none"> <li>• Present = 1 point</li> <li>• Late = 0.5 points</li> <li>• Unexcused Absence = 0 points</li> </ul>	/1 point
<b>2) Preparation: (1 point total)</b> <b>a) At the beginning of each session:</b> the work area and equipment are prepared (i.e. napkin placed on the work bench, soap and carvers are out, pencil, ruler, and required diagrams/drawings are ready). <b>b) At the end of each session:</b> the work area is cleaned, all equipment is returned to its assigned area (i.e. containers, wax carvers/knives, lab stools/chairs), and trash is disposed of.	/1 point
<b>3) Performance: (8 points total)</b> <b>a) Time management:</b> the assigned task (i.e. tooth model to be carved) is completed within the assigned time frame according to the course outline. <b>(1 point)</b> <b>b) Tooth model carving quality:</b> <ul style="list-style-type: none"> <li>• <b>Morphology:</b> Conforms to the general morphological characteristics of the assigned tooth to be carved so that the morphological tooth aspects are clear and accurate (i.e. crown and root shape for each aspect, contact areas and curvatures, etc.). <b>(2 points)</b></li> <li>• <b>Landmarks:</b> All landmarks that pertain to the assigned tooth are clear and accurate (i.e. cervical lines, cingulum, fossa, cusps, ridges, grooves, pits, etc.). <b>(2 points)</b></li> <li>• <b>Crown-to-root ratio:</b> The crown-to-root ratio is roughly 1:2 so that the root/roots of the tooth to be carved are longer in relation to the crown. <b>(2 points)</b></li> <li>• <b>Finishing:</b> carved tooth is well-polished so that it appears smooth and shiny. <b>(1 point)</b></li> </ul>	/8 points
<b>Total</b>	<b>/10 points</b>

**Faculty comments:**

---

---

---

---

---

---

---

---

**Faculty Name:** \_\_\_\_\_

**Faculty Signature:** \_\_\_\_\_

Student Name: \_\_\_\_\_ Student ID# \_\_\_\_\_

❖ **Dental Anatomy Final Practical Exam Guidelines:**

- **The final practical exam is worth 10% of the didactic/lecture grade.**
- **The final practical exam will consist of 2 parts:**
  - a) **Written part = 2%** of the final practical exam grade.
  - b) **Carving part = 8%** of the final practical exam grade.
- Any student that does not attend the practical exam will receive **a grade of 0.**
- All students are expected to arrive **at least 15-minutes prior to the scheduled exam time** to prepare their work areas so that the written and carving practical exams start promptly on time.
- Any student that arrives **late** to the final practical exam will receive **a point deduction** and will be expected to complete the written and carving practical exams on time with the rest of the class.
- Any student that is **late preparing the work bench** with all the required equipment will receive **a point deduction** and will be expected to complete the assigned tooth carving on time with the rest of the class.
- All students are expected to prepare their work bench with a napkin and have all their **own** equipment ready: soap, Lecron's carver, wax knife, pen, pencil, ruler, table of tooth measurements, tooth outlines, mask, and gloves. Any student that does not prepare their own required equipment will receive **a point deduction**.
- **No sharing of equipment will be tolerated.**
- **Before leaving the lab, students should return all borrowed equipment (Lecron's carver, wax knife, and soap box) to the instructor and sign the form specialized for return of equipment.**
- Grading of the assigned tooth model to be carved will conform to the criteria found in the table on **page 2 of this document**:

❖ **Instructor check list during the practical final exam:**

- 1) **Student attendance (check ONE of the following):**
  - ☐ **Present.**
  - ☐ **Late** = - 1 point from practical carving grade.
  - ☐ **Absent** = 0 for practical carving grade.
- 2) **Student preparation includes (write "C" if completed and "IC" if not completed):**
  - \_\_\_\_\_ a) **Preparation of work area with all the required equipment prior to the exam time:** napkin, soap, Lecron's carver, wax knife, pen, pencil, ruler, table of tooth measurements, tooth outlines, mask, and gloves.
  - \_\_\_\_\_ b) **At the end of the exam:** the work area is cleaned, all equipment is returned to its assigned area (i.e. containers, wax carvers/knives, lab stools/chairs), and trash is disposed of.
- 3) **Student returns all borrowed instruments (check ALL that apply):**
  - ☐ **Lecron's carver**
  - ☐ **Wax knife**
  - ☐ **Soap box**

Student Name: \_\_\_\_\_ Student ID# \_\_\_\_\_

**Practical Final Exam Evaluation Criteria – Carving Part**

❖ **Task:**

**Using the tooth measurements given below**, carve and finish a tooth model of the: “INSERT TOOTH NAME.”

Tooth	Length Over All	Length of Crown	Mesio- distal Crown	Labio- lingual Crown	Mesio- distal Neck	Labio- lingual Neck
TOOTH NAME						

❖ **Tooth model to be evaluated:** “INSERT TOOTH NAME.”

<b>Dental Anatomy Final Exam Tooth Carving Evaluation Criteria</b>		<b>Faculty Evaluation</b>
<b>a) Time management</b> – the assigned task (i.e. tooth model to be carved) is completed within the assigned 2-hour time limit. <b>(1 point)</b>		/1 point
<b>b) Morphology</b> – the finished tooth model conforms to the general morphological characteristics of the assigned tooth to be carved so that the morphological tooth aspects are clear and accurate: i.e. crown and root shape for each aspect (facial, lingual, mesial, distal, incisal or occlusal), contact areas and curvatures, etc. <b>(2 points)</b>		/2 points
<b>c) Landmarks</b> – the finished tooth model clearly and accurately reflects all landmarks that pertain to the assigned tooth: i.e. cervical lines, cingulum, fossa, cusps, ridges, grooves, pits, etc. <b>(2 points)</b>		/2 points
<b>d) Crown-to-root ratio</b> – the crown-to-root ratio is roughly 1:2 so that the root/roots of the tooth to be carved are longer in relation to the crown. <b>(2 points)</b>		/2 points
<b>e) Finishing</b> – carved tooth is well polished so that it appears smooth and shiny. <b>(1 point)</b>		/1 point
<b>Total</b>		/8 points

**Faculty comments:**

---

---

---

---

---

---

---

---

**Faculty Name:** \_\_\_\_\_

**Faculty Signature:** \_\_\_\_\_