DVM 495 VETERINARY SCIENCE:

Skeleton Articulation
SYLLABUS – Maymester

Department of Veterinary Medicine, University of Alaska Fairbanks

1. Course Information:
   Title: Skeleton Articulation
   Number: DVM 495
   Credit: 1
   Prerequisites: Human Anatomy & Physiology (BIOL 213 OR 214); or Animal Physiology (BIOL 310); or permission from instructor
   Location: 153 Irving 1 (Vet Med Lab)
   Meeting time: May 9-20, MTWHF, 1-5:00pm

2. Instructor Contact Information:
   Name: Megan Hoffman, MS
   Office Location: 147 Irving
   Office Hours: T 8:30-10:30am or by appointment
   Office Phone: 474-1888
   Email: mhoffman2@alaska.edu

   Name: Eric Zucker
   Office Location: 147 Irving
   Office Hours: H 8:30-10:30am or by appointment
   Office Phone: 474-1888
   Email: emzucker@alaska.edu

Email is the best way to reach the instructors.

3. Course Reading/Materials:
   None required. Recommended readings include Canine Construction by Lee Post (Bone Building Books, vol. 8). Other recommended reading including journal articles, will be distributed prior to class sessions via on-line resources or during class periods.

4. Course Description:
   "Skeleton Articulation" (DVM 495, 1 credit) focuses on skeleton assembly of various species. The larger portion of the course will be hands-on articulation of actual skeletons. The lab will be supplemented with theory/lectures covering bones, joint types, and biologically accurate limb/joint angles.

5. Course Goals:
   Overall Course Objectives:
   - Introduce students to maceration, degreasing, whitening techniques (lecture & demo).
• Expose students to various articulation techniques (hands-on).
• Teach basic articulating skills necessary for independent continuation of techniques.

6. Student Learning Outcomes:
• Have a better understanding of how the bones articulate.
• Be able to identify the main bone types and various bones of several species.
• Understand at least one (if not more) articulation method.
• Be able to arrange a skeleton in an anatomically accurate formation.
• Have an understanding of the types of joints and how that affects articulation.

7. Instructional Methods:
This course focuses largely on hands-on lab activities both in small groups and individually. It is designed to give students experience articulating skeletons of various species. It will increase students' anatomical understanding of the skeletal system.

Expected Time Commitment: Students should expect to spend 22 hours per week in lecture and/or lab. Students are expected to spend 1-3 hours per week outside of class reviewing written and lecture materials.

8. Course Calendar:

<table>
<thead>
<tr>
<th>Day No</th>
<th>Class Date</th>
<th>Topic Covered</th>
<th>Assignments Due Dates and Test Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>M, May 9</td>
<td>Intro, Safety, Bones &amp; Joints, Skeletal Layout</td>
<td>In-class Assignment</td>
</tr>
<tr>
<td>2</td>
<td>T, May 10</td>
<td>Forelimb Articulation</td>
<td>In-class Assignment</td>
</tr>
<tr>
<td>3</td>
<td>W, May 11</td>
<td>Forelimb Articulation</td>
<td>In-class Assignment</td>
</tr>
<tr>
<td>4</td>
<td>H, May 12</td>
<td>Hindlimb Articulation</td>
<td>In-class Assignment</td>
</tr>
<tr>
<td>5</td>
<td>F, May 13</td>
<td>Hindlimb Articulation</td>
<td>Midterm Quiz</td>
</tr>
<tr>
<td>6</td>
<td>M, May 16</td>
<td>Trunk Articulation</td>
<td>In-class Assignment</td>
</tr>
<tr>
<td>7</td>
<td>T, May 17</td>
<td>Trunk Articulation</td>
<td>In-class Assignment</td>
</tr>
<tr>
<td>8</td>
<td>W, May 18</td>
<td>Skull Articulation</td>
<td>In-class Assignment</td>
</tr>
<tr>
<td>9</td>
<td>H, May 19</td>
<td>Articulation &amp; Mounting</td>
<td>In-class Assignment</td>
</tr>
<tr>
<td>10</td>
<td>F, May 20</td>
<td>Final Presentation &amp; Exam</td>
<td>Final Exam</td>
</tr>
</tbody>
</table>

9. Course Policies:
• Attendance:
Students are expected to attend all classes, as class participation is part of the grade.
• Classroom Behavior:
Any type of behavior in the classroom that is disruptive, distracting, or disrespectful to the instructor or to your fellow students will not be tolerated and will result in dismissal from the classroom. This includes, but is not limited to, disrespectful comments, the use of tobacco products, consumption of food, use of cell phones or wireless devices, or use of any type of communicative device. All cell phones or other such devices must be turned off while in the classroom. Do not browse the Internet, text message or IM while in the classroom. You can use such devices for note taking or class-related activities.
• Plagiarism:
Plagiarism is the overt or covert use of other people's work or ideas without acknowledgement of the source. This includes using ideas or data from a classmate or colleague without permission and acknowledgement, including sentences from journal articles in your writing without citing the author, or copying parts of a website into your
essay. Plagiarism and cheating are serious offenses that violate the student code of conduct which may result in an “F” in the course and/or referral to the university disciplinary committee.

10. Evaluation/Grading:

<table>
<thead>
<tr>
<th>Class Participation</th>
<th>20% (2% per class)</th>
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</thead>
<tbody>
<tr>
<td>In-class Assignments</td>
<td>30% (3.75% per assignment)</td>
</tr>
<tr>
<td>Midterm Quiz</td>
<td>10%</td>
</tr>
<tr>
<td>Final Exam</td>
<td>40%</td>
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</tbody>
</table>

**Class Participation:** It is not sufficient to just show up to class, you are expected to be engaged and working on your assigned skeleton. Attending but not participating will result in a 0% for the day. Missing a portion of the day’s lab may result in less than full participation marks for that day.

**In-class Assignments:** There will be nine in-class assignments that will be assigned randomly during the course of each day except the day of the final. Your best eight assignments will be counted. If you are not present at the time of the assignment, you will forfeit those points for that day. No make-up assignments will be available.

**Midterm Quiz:** The midterm quiz will be a written exam and will cover the lecture and lab topics we went over during the first week.

**Final Exam:** The final exam is cumulative and will consist of a written portion and presentation of the articulated skeleton. The presentation portion will not depend on the completion of the skeleton but on the quality of work on the skeleton as well as a demonstrated understanding of the techniques used.

**Grading Scale:** Grades will be calculated as follows

<table>
<thead>
<tr>
<th>Grades will be calculated on 100-point scale</th>
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<tbody>
<tr>
<td>A</td>
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<tr>
<td>B</td>
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<tr>
<td>C</td>
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<tr>
<td>D</td>
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<tr>
<td>F</td>
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</table>

Incomplete (I) grades will be given only if a student does not complete the course requirements because of illness or extenuating circumstances. Prompt communication directly with the course coordinators and/or Department of Vet Med Office is required to document any health problems or other circumstances that may prevent a student from attending class or completing the examinations or homework assignments (see below). Ranks will be assigned according to the final grade score.

11. Support Services:

If you require more assistance than can be provided in class, and office hours, you may want to contact Student Support Services ([http://www.uaf.edu/sssp/](http://www.uaf.edu/sssp/)) or the Department of Veterinary Medicine for assistance.

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12. Disability Services:
   All students, including those with disabilities, are welcome in this course, and we are
   committed to providing equal access to this course for all students. If you have a disability
   (including learning disabilities) please inform us during the first week of class so that we
   can accommodate your specific needs. If you have not already done so, you will also need
   to contact UAF's Office of Disabilities Services (474-7043). Everyone should have the
   opportunity to participate fully in the course and to complete assignments and exams to the
   best of their ability. If accommodations are needed to enable you to do so, we will gladly
   work with you to provide them.