Purpose of the course is to learn the structure and function of vertebrate organ systems. Class format will consist of lectures and laboratories, the latter focusing on the anatomy of fish, birds and mammals. The course is a prerequisite for Mammalogy (BIOL 425) and Ichthyology (BIOL 427) and provides a foundation for other upper division courses in vertebrate biology and evolution.

Performance will be evaluated on the basis of exams in both lecture and laboratory. Attendance is not taken, however, it is expected that students will attend each session; this is particularly so on exam days. Any planned absences, for example, UAF sport events for team members, must be brought to the attention of the instructor before it occurs. The instructors will work with the Office of Disabilities Services to provide reasonable accommodation to students with disabilities.

Students will work in teams of 2 in the laboratory, each sharing responsibilities for specimen preparation, dissection and storage in designated cabinets. Plastic bags and tags will be provided for specimen storage. Taking specimens out of the laboratory (Irving I, Rm. 103) is not permitted. Protective gloves are provided and MUST be worn to work with preserved specimens; aprons and eye protection are available for use also. Eye wash stations are available in the laboratory. Students must report any injury to the instructors. Any trash must be placed in designated receptacles for disposal. Table areas and the floor surrounding the work area must be cleaned following work with the specimens; appropriate cleaners and paper towels will be provided. FOOD AND DRINK MAY NOT BE BROUGHT INTO THE LABORATORY.

GRADING POLICY

Lecture exams (4) are worth 100 points each and laboratory exams (4) are each worth 125 points. A total of 900 points is possible in the course. Letter grades as follows: A (100-90); B (89-80); C (79-70); D (69-60); F (below 60).

TEXTBOOKS REQUIRED

## Lecture Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Subject</th>
<th>Chapter (Hildebrand)</th>
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<tbody>
<tr>
<td>Jan. 26</td>
<td>Course Introduction/Vertebrate Diversity</td>
<td>1, 2, 3, 4</td>
</tr>
<tr>
<td>Jan. 28</td>
<td>Development</td>
<td>5, 11</td>
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<tr>
<td>Feb. 2</td>
<td>Integument</td>
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<td>Feb. 4</td>
<td>Bone/Teeth</td>
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<td>Feb. 9</td>
<td>Cranial Skeleton</td>
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<tr>
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<tr>
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<td>April 20</td>
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<tr>
<td>May 4</td>
<td>Brain</td>
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<td>May 6</td>
<td><strong>FINAL EXAM (8:00-10:00 am)</strong></td>
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## Lab Schedule

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<th>Hildebrand, Chapters 1, 2, 3, 4</th>
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<tr>
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<tr>
<td>Jan. 28</td>
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<tr>
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<td>Brain; Sense Organs</td>
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