**Prerequisite Courses:** BIOL 210 Animal Physiology; BIOL 271 Principles of Ecology; WLF 201 Wildlife Management Principles.

**Texts Required/Recommended**

**Course Objective:** Introduce the nutrient requirements of vertebrate animals in relation to their physiology, metabolism and life history.

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**Course Schedule**

<table>
<thead>
<tr>
<th>Week Starting Monday</th>
<th>Topic</th>
<th>Assessment Unit (% Total Points)</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 August</td>
<td>Introduction: Nutrient Demands</td>
<td></td>
</tr>
<tr>
<td>06 September</td>
<td>Foraging and Foods</td>
<td></td>
</tr>
<tr>
<td>13 September</td>
<td>Digestive Systems</td>
<td></td>
</tr>
<tr>
<td>20 September</td>
<td>Hepatic and Renal Systems</td>
<td>EXAM (16%)</td>
</tr>
<tr>
<td>27 September</td>
<td>Nutritional Strategies</td>
<td></td>
</tr>
<tr>
<td>04 October</td>
<td>Carbohydrates</td>
<td></td>
</tr>
<tr>
<td>11 October</td>
<td>Lipids</td>
<td></td>
</tr>
<tr>
<td>18 October</td>
<td>Nitrogen: Amino Acids &amp; Bases</td>
<td>EXAM (28%)</td>
</tr>
<tr>
<td>25 October</td>
<td>Energy Metabolism &amp; Expenditure</td>
<td></td>
</tr>
<tr>
<td>01 November</td>
<td>Body Composition</td>
<td></td>
</tr>
<tr>
<td>08 November</td>
<td>Water &amp; Electrolytes</td>
<td></td>
</tr>
<tr>
<td>15 November</td>
<td>Minerals</td>
<td>EXAM (28%)</td>
</tr>
<tr>
<td>22 November</td>
<td>Thanksgiving Week</td>
<td></td>
</tr>
<tr>
<td>29 November</td>
<td>Lipid Soluble Vitamins</td>
<td></td>
</tr>
<tr>
<td>06 December</td>
<td>Water Soluble Vitamins</td>
<td>EXAM (28%)</td>
</tr>
</tbody>
</table>

§ May be amended to suit the progress of the class.
Nutrition & Physiological Ecology of Wildlife - WLF 460  
University of Alaska Fairbanks - Fall Semester 1999  
Instructor: Perry S. Barboza PhD

**Assessment**

Exams are comprehensive (i.e. all topics to date will be tested) and based on material presented and/or assigned in the lectures. Final grades are based on the cumulative percentage of all exams.

<table>
<thead>
<tr>
<th>Final Grade</th>
<th>Cumulative %</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>100 - 80</td>
</tr>
<tr>
<td>B</td>
<td>79 - 70</td>
</tr>
<tr>
<td>C</td>
<td>69 - 60</td>
</tr>
<tr>
<td>D</td>
<td>59 - 50</td>
</tr>
<tr>
<td>F</td>
<td>49 - 0</td>
</tr>
</tbody>
</table>

**EXAM POLICY**

Missed exams will be assessed as 0 points. Make-up exams or extensions are rarely granted. Notify the instructor as soon as possible if you anticipate a conflict with an exam, or if you have inadvertently missed the exam. Notification DOES NOT entitle the student to a make-up exam or a change in exam time, but does allow the instructor to consider a request for alternative arrangements. These requests must be supported by documentation of a legitimate excuse.

**ATTENDANCE POLICY**

Attendance at lectures is mandatory. Intermittent or prolonged absences from lectures may result in faculty-initiated withdrawal of the student.