ANIMAL REPRODUCTION AND DEVELOPMENT OPTION

This option is offered within the following major(s):

• Bioresource Research - College of Agricultural Sciences (http://catalog.oregonstate.edu/college-departments/agricultural-sciences/other-degrees-programs/bioresource-research-bs-hbs)

Animal reproduction and development entails the study of life processes in cells, organs, and whole animals to enhance efficient production of high-quality animals and animal food products. Students use antibody-based assays, molecular genetics, protein chemistry, embryo and tissue culture, electron chemistry, and other modern laboratory techniques in research in areas of animal reproduction, development and growth, preparing them for positions or graduate programs in the bioscience/biomedical/veterinary/agricultural fields.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANS 121</td>
<td>*INTRODUCTION TO ANIMAL SCIENCES</td>
<td>4</td>
</tr>
<tr>
<td>ANS 314</td>
<td>ANIMAL PHYSIOLOGY</td>
<td>4</td>
</tr>
<tr>
<td>ANS 316</td>
<td>REPRODUCTION IN DOMESTIC ANIMALS</td>
<td>4</td>
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<tr>
<td>ANS 317</td>
<td>REPRODUCTION IN DOMESTIC ANIMALS LABORATORY</td>
<td>1</td>
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<tr>
<td>CROP 300/HORT 300</td>
<td>CROP PRODUCTION IN PACIFIC NORTHWEST AGROECOSYSTEMS</td>
<td>4</td>
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</tbody>
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Select one of the following: 3-5

- BB 314  CELL AND MOLECULAR BIOLOGY
- BOT 331  PLANT PHYSIOLOGY
- CSS 305  PRINCIPLES OF SOIL SCIENCE
- CSS 306  and PROBLEM SOLVING: SOIL SCIENCE APPLICATIONS (EOU campus only)
- or SOIL 205  SOIL SCIENCE
- ENT 311  INTRODUCTION TO INSECT PEST MANAGEMENT
- MB 302  GENERAL MICROBIOLOGY
- RNG 341  RANGELAND ECOLOGY AND MANAGEMENT
- TOX 411  FUNDAMENTALS OF TOXICOLOGY

**Specialization and Breadth Courses**

Select 7 to 9 credits approved by option faculty and research mentor. 7-9

Total Hours 27-31

* Baccalaureate Core Course (BCC)

Option Code: 127