Students requiring accommodations as a result of a disability must contact the Centre for Students with Disabilities (778-782-3112 or csdo@sfu.ca).

BIOLOGICAL SCIENCES 305

ANIMAL PHYSIOLOGY

Fall 2008 (1087)

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<th>Instructor</th>
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<tbody>
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<td>Gordon Rintoul</td>
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Course Prerequisites: MBB 221 AND PHY 102 with a grade of C- or better.
*Beginning in 1087, MBB 231 will be offered instead of MBB 221 and students must have the prerequisites of BISC 101 and MBB 222 to enroll in MBB 231

Course Description: An overview of animal physiology, examined at the molecular, cellular, organ, organ system and whole organism level.

Outline of Topics:
- Introduction to Physiology
- Overview of cellular biochemistry and physiology
- Endocrine and cell signalling systems
- Neurobiology and sensory systems
- Muscle Physiology
- Cardiovascular Physiology
- Circulation and Respiratory Physiology
- Osmoregulation
- Digestion

Required Textbook(s):
Principles of Animal Physiology.
Christopher D. Moyes and Patricia M. Schulte.
2nd Edition.

Mark Distribution:
2 Midterms 25% each
Tutorials 10%
Final Exam 40%