**INTEGRATIVE BIOLOGY (IBIO)**

**IBIO*6000 Special Topics in Ecology and Behaviour**  
Unspecified  [0.50]

This is a course in which several faculty lecture and/or lead discussion  
groups in tutorials about advances in their broad areas, or related areas,  
of ecology and behaviour. Topics may include animal communication,  
optimal foraging, life-history evolution, mating systems, population  
dynamics, niche theory and food-web dynamics, and will depend on  
who is co-ordinating the course for that particular offering. The course  
includes lectures and seminars in which the students actively participate.  
**Department(s):** Department of Integrative Biology  
**Location(s):** Guelph

**IBIO*6010 Special Topics in Physiology**  
Unspecified  [0.50]

This is a course in which several faculty lecture and/or lead discussion  
groups in tutorials about advances in their broad areas, or related areas,  
of physiology. Topics may include metabolic adaptation to extreme  
environments, behavioural and molecular endocrinology, and exercise and  
muscle physiology, and will depend on who is co-ordinating the course  
for that particular offering. The course includes lectures and seminars in  
which the students actively participate.  
**Department(s):** Department of Integrative Biology  
**Location(s):** Guelph

**IBIO*6020 Special Topics in Evolutionary Biology**  
Unspecified  [0.50]

This modular course reviews books and/or other publications in the field  
of evolutionary biology, providing knowledge of progress in this area of  
biology. Topics may include epigenetics, phylogenetics, developmental  
basis of evolutionary change, and molecular evolution. The course  
includes lectures and seminars in which the students participate. Offered  
annually.  
**Department(s):** Department of Integrative Biology  
**Location(s):** Guelph

**IBIO*6070 Advances in Integrative Biology I**  
Unspecified  [0.50]

This course provides graduate students, either individually or in groups,  
with the opportunity to pursue topics in specialized fields of integrative  
biology under the guidance of graduate faculty. Courses may be offered  
in any of lecture, reading/seminar, or individual project formats. A  
minimum enrolment may be required for some course offerings.  
**Restriction(s):** Instructor consent required.  
**Department(s):** Department of Integrative Biology  
**Location(s):** Guelph

**IBIO*6080 Advances in Integrative Biology II**  
Unspecified  [0.50]

This course provides graduate students, either individually or in groups,  
with the opportunity to pursue topics in specialized fields of integrative  
biology under the guidance of graduate faculty. Courses may be offered  
in any of lecture, reading/seminar, or individual project formats. A  
minimum enrolment may be required for some course offerings.  
**Restriction(s):** Instructor consent required.  
**Department(s):** Department of Integrative Biology  
**Location(s):** Guelph

**IBIO*6630 Scientific Communication**  
Unspecified  [0.50]

This course involves development and refinement of the skills of  
scientific communication, with emphasis on writing skills, in the context  
of developing a thesis proposal. This course is mandatory for MSc AND  
DIRECT ENTRY PhD students in the Department of Integrative Biology.  
**Department(s):** Department of Integrative Biology  
**Location(s):** Guelph