

# INTEGRATIVE BIOLOGY (IBIO)

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## **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.

**Offering(s):** 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