

Interdisciplinary Science (ISCI)

Faculty of Science

ISCI 1001 [0.5 credit] (formerly 60.101*)

Introduction to the Environment

The nature of the biosphere: scientific bases of important environmental issues; evolution of life; properties and dynamics of populations and ecosystems; biodiversity; introduction to identification skills; sustainability of renewable resources, including food. Not acceptable for credit in a Science program.

Precludes additional credit for ISCI 1000.

Prerequisite: a knowledge of Grade 10 advanced level Mathematics will be assumed.

Lectures/demonstrations three hours a week and project assignments.

ISCI 1002 [0.5 credit] (formerly 60.102*)

The Laws of Nature

Fundamental ideas and concepts of science; origins and expressions of these in the ecosphere; types of forces; radiation; energy transfers and transitions; properties of atoms and molecules; chemistry in the environment. Not acceptable for credit in a Science program.

Precludes additional credit for ISCI 1000.

Prerequisite: ISCI 1001* or permission of the Institute.

Lecture/demonstrations three hours a week and project assignments.

ISCI 2001 [0.5 credit] (formerly 60.201*)

The Earth

Early earth history; tectonic cycles; mineral resources of the earth's surface; the oceans; biogeochemical cycles; natural hazards. Not acceptable for credit in a Science program.

Precludes additional credit for ISCI 2000.

Prerequisite: ISCI 1002* or equivalent.

Lectures/demonstrations three hours a week and project assignments.

ISCI 2002 [0.5 credit] (formerly 60.202*)

Human Impacts on the Environment

Air and water pollution; global climatic change; waste management; industrial chemicals; sources and uses of energy; nuclear energy and radiation; risk assessment of technological hazards. Acceptable only as a free elective in a Science program.

Precludes additional credit for ISCI 2000.

Prerequisite: ISCI 2001* or two experimental science OACs or one first year university experimental science course.

Lectures/demonstrations three hours a week and project assignments.

Interdisciplinary Studies (DIST, IASS, ISSC)

Institute of Interdisciplinary Studies Faculty of Arts and Social Sciences

DIST 3901 [0.5 credit]

Themes in Interdisciplinary Inquiry

Examination of topics of interest to a number of disciplines, along with various methods and styles of thought used to study them. Students will synthesize the various perspectives. Open only to students in Directed Interdisciplinary Studies and Child Studies.

Prerequisite: third-year standing in Child Studies or Directed Interdisciplinary Studies.

Seminar three hours a week.

DIST 3902 [0.5 credit] (formerly 04.392*)

Topics in Interdisciplinary Inquiry

Examination of topics chosen by interdisciplinary faculty to present interdisciplinary thought and research not usually available in the university curriculum.

Prerequisite: third-year standing in Directed Interdisciplinary Studies or permission of the Institute.

Seminar three hours a week.

DIST 4401 [0.5 credit] (formerly 04.441*)

A Seminar in United States Studies

A required course for students in United States Studies area in Directed Interdisciplinary Studies designed to allow discussion and research on topics of an interdisciplinary nature.

DIST 4901 [0.5 credit] (formerly 04.491*)

DIST 4902 [0.5 credit] (formerly 04.492*)

Directed Reading

Individual or small-group tutorial related to the theme of a Directed Interdisciplinary Studies program. Written permission from the Director of Interdisciplinary Studies is required before registering; please contact the DIS administrator.

Prerequisite: For Directed Interdisciplinary Studies students with fourth year Honours standing and a CGPA of 9.00 or better or permission of the Institute.

DIST 4905 [0.5 credit] (formerly 04.495*)

Directed Interdisciplinary Studies Fieldwork I

Fieldwork related to the theme of a Directed Interdisciplinary Studies program. A proposal with a fieldwork research question and a supervisor must be approved prior to registration. A paper relating the fieldwork to the student's DIS program must be submitted. Graded as Sat/Uns.

Prerequisite: fourth-year Honours standing in Directed Interdisciplinary Studies or permission of the Institute.

DIST 4906 [0.5 credit] (formerly 04.496*)

Directed Interdisciplinary Studies Fieldwork II

Fieldwork related to the theme of a Directed Interdisciplinary Studies program. A proposal with a fieldwork research question and a supervisor must be approved prior to registration. A paper relating the fieldwork to the student's DIS program must be submitted. Graded as Sat/Uns.

Prerequisite: fourth-year Honours standing in Directed Interdisciplinary Studies or permission of the Institute.

DIST 4908 [1.0 credit] (formerly 04.498)

Honours Project

Interdisciplinary research project for Honours students in the fourth year of all IIS programs except Cognitive Science. In selecting a project, students must consult their Program Coordinator. Only the Program Coordinator can assign a supervisor or grant approval to register in this course. Registration in this course is limited to students eligible for fourth-year standing in the B.A. Honours program in IIS.

IASS 4908 [1.0 credit] (formerly 04.498)

Honours Project

Interdisciplinary research project for Honours students in the fourth year of all IIS programs, except Cognitive Science.