

Cognitive Science (CGSC)

Cognitive Science Committee
Institute of Interdisciplinary Studies
Faculty of Arts and Social Sciences

CGSC 2001 [0.5 credit] (formerly 07.201*)

History of Cognitive Science

Survey of the history and development of cognitive science as a separate branch of knowledge, from cybernetics and theory of computation in the late 1940s to the large multi-disciplinary, multi-national teaching and research program it has become.

Prerequisite: second-year standing or permission of the Institute.

Seminar three hours a week.

CGSC 3001 [0.5 credit] (formerly 07.301*)

Elements of Cognitive Science

Selected topics in cognitive science covered from the perspectives of psychology, computer science, linguistics, philosophy and other related disciplines.

Precludes additional credit for IASS 1001.

Lectures three hours a week.

CGSC 3100 [0.5 credit]

Co-operative Work Term Report 1

A comprehensive report is due on what was learned during the first work term.

Prerequisites: Registration in the Co-op Education Option of the Cognitive Science program of Interdisciplinary Studies and permission of the Co-ordinator.

CGSC 4100 [0.5 credit]

Co-operative Work Term Report 2

A comprehensive report is due on what was learned during the second work term.

Prerequisites: Registration in the Co-op Education Option of the Cognitive Science program of Interdisciplinary Studies, successful completion of CGSC 3100, and permission of the Co-ordinator.

CGSC 4101 [0.5 credit]

Co-operative Work Term Report 3

A comprehensive report is due on what was learned during the third work term.

Prerequisites: Registration in the Co-op Education Option of the Cognitive Science program of Interdisciplinary Studies, successful completion of CGSC 4100, and permission of the Co-ordinator.

CGSC 4908 [1.0 credit] (formerly 07.498)

Honours Project

Interdisciplinary research project for Honours students in the fourth year of all IIS programs. 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. Faculty regulations governing Honours Research Essays and Honours Theses apply.

Prerequisite: registration in this course is limited to students in the fourth year of a B.A. (Honours) program in IIS.

Comparative Literary Studies (CLST)

Institute of Comparative Studies in Literature,
Art and Culture

Faculty of Arts and Social Sciences

CLST 1000 [1.0 credit] (formerly 17.100)

The Literatures of Europe: Representative Texts

Study of major literary traditions in Europe and their interrelations from antiquity to the present. Homer, Sophocles, Virgil, Dante, Boccaccio, Machiavelli, Cervantes, Molière, Goethe, Flaubert, Austen, Dostoevsky, Proust, Joyce, Pirandello, Kafka, Woolf, Calvino. All texts in English.

Lectures and seminar three hours a week.

CLST 2001 [1.0 credit] (formerly 17.201)

The Literatures of the Americas: Comparative Perspectives

Through the analysis of representative texts from the 19th and 20th centuries, the course will examine issues pertaining to the interrelation between the literatures of North and South America. All texts in English. Topics may vary from year to year.

Prerequisite: second-year standing or permission of the Discipline.

Lectures and seminars three hours a week.

CLST 2007 [0.5 credit] (formerly 17.207*)

The Literatures of Asia: Comparative Perspectives

Issues arising from the literatures of the Asian continent. Topics may vary from year to year. Texts will be read in English, which is also the language of instruction.

Prerequisite: second-year standing or permission of the Discipline.

Lectures and seminars three hours a week.

CLST 2008 [0.5 credit] (formerly 17.208*)

The Literatures of Africa and the Middle East: Comparative Perspectives

Issues arising from the literatures of the African continent and the Middle East. Topics may vary from year to year. All texts will be read in English, which is also the language of instruction.

Prerequisite: second-year standing or permission of the Discipline.

Lectures and seminars three hours a week.

CLST 3000 [1.0 credit] (formerly 17.300)

Themes, Genres, Periods

Comparative study of a specific theme or genre through texts drawn from several historic periods. Topics may vary from year to year.

Prerequisite: second-year standing or permission of the Discipline.

Seminar two hours a week, tutorials one hour a week.

CLST 3001 [1.0 credit] (formerly 17.301)

International Literary Movements

Comparative study of primary and secondary sources that define international literary movements such as Renaissance, Romanticism, Realism, Modernism, and Post-modernism. Topics may vary from year to year.

Precludes additional credit for CLST 2000.

Prerequisite: second-year standing or permission of the Discipline.

Seminar three hours a week.

CLST 3002 [1.0 credit] (formerly 17.302)

Gender and Literature

Study of autobiographical writing, novels, short stories, and poetry by women writing in the 1970s, 1980s, and 1990s in a variety of cultural settings. Cross-cultural point of view informed by poststructuralist feminist criticism. All texts available in English translation. (Also listed as WOMN 3002.)

Prerequisite: second-year standing or permission of the Discipline.

Seminar three hours a week.

CLST 4001 [0.5 credit] (formerly 17.401*)

Foundations of Comparative Literature

The history of the discipline of comparative literature is studied, including its beginning in nineteenth-century France, its evolution, and its current status in Europe, the United States and Canada.

Prerequisite: permission of the Discipline.

Seminar three hours a week.

CLST 4002 [0.5 credit] (formerly 17.402*)

Theories of Literature

Twentieth-century literary theories in the context of comparative studies. Over-all view of the theoretical discussion of literature from 1920 to the present: Russian Formalism; American New Criticism; structuralist, semiotic, socio-cultural and hermeneutic approaches.

Prerequisite: permission of the Discipline.

Note: Students enrolling in this course under the cross-listed number SPAN 4002 should note the requirements of Spanish.

Seminar three hours a week.

Computational Sciences (CMPS)

College of Natural Sciences

Faculty of Science

CMPS 2800 [0.5 credit] (formerly 68.280*)

Discrete Mathematics and Algorithms

Introduction to discrete mathematics and algorithms in the context of the computational sciences. Basic number theory and counting methods, algorithms for strings, trees and sequences. Applications to DNA and protein sequencing problems. Analysis and complexity of algorithms. (Also listed as MATH 2800.)

Only one of COMP 1805/MATH 1805 or CMPS 2800/MATH 2800 may count for credit in a Bachelor of Mathematics program.

Prerequisites: COMP 1006 and at least one of MATH 1007, MATH 1107, or STAT 2507.

Lectures three hours a week.

CMPS 3604 [0.5 credit] (formerly 68.364*)

Analysis of Ecological Relationships

Introduction to the analysis of ecological data. Students analyze real ecological data sets in weekly laboratory sessions. Methods introduced include simple linear, polynomial, and multiple regression analysis, analysis of variance, non-parametric tests, tests of independence and logistic regression analysis. (Also listed as BIOL 3604.)

Prerequisites: BIOL 2600 and Mathematics STAT 2507.

Workshops four hours a week.

CMPS 3800 [0.5 credit] (formerly 68.380*)

Modeling and Computational Methods for Experimental Science

Mathematical modeling in the experimental sciences: design, analysis and pitfalls. Computational methods directly applicable to problems in science will be described including function evaluation, Interpolation, solution of linear equations, root finding, integration, solution of differential equations, Fourier series and Monte Carlo methods. (Also listed as MATH 3800.)

Only one of COMP 3806/Mathematics MATH 3806 or CMPS 3800/MATH 3800 may count for credit in a Bachelor of Mathematics program.

Prerequisites: MATH 1107, MATH 2007 or MATH 2009, COMP 1006.

Lectures three hours a week.

CMPS 4909 [1.0 credit] (formerly 68.499)

Honours Research Thesis in Computational Science

An independent research project under the supervision of a Faculty adviser, applying computational techniques to some experimental or theoretical problem in the disciplinary area of the student.

Prerequisite: permission of the Department. or Institute associated with the discipline.