

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.