

WANT A PROGRAM TO DO IT FOR YOU?

Do you find yourself spending hours and hours on mathematical modeling, statistical analysis and other formulaic tasks for your data? The Computer Science Department is introducing a course specifically for scientific modeling.

Now you can learn how to teach a computer to do it

CMPU 250: Modeling, Simulation, and Analysis
Principles of computation in the sciences, driven by the current applications in biology, physics, chemistry, natural and social sciences, and computer science. Topics include: Discrete and continuous stochastic models, random number generation, elementary statistics, numerical analysis and algorithms, discrete event simulation, and point and interval parameter estimation. Students pursue projects that involve modeling phenomena in 2-3 different fields and simulate the model in order to understand the mechanisms and/or explore new hypotheses or conditions. In 2010/2011, the course will include models on applications to problems in chemistry, physics, and cognitive science.

Professor Ide.

Offered in Spring 2011 Mon/Wed 10:30 - 11:45

Pre-requisites: CMPU 102, MATH 122 or 125.

Recommended: CMPU 241 and/or MATH 221.

**COMPUTER SCIENCE
INFO SESSION**

In

**THE COMPUTER SCIENCE
DEPARTMENT LOUNGE***

**THURSDAY, NOVEMBER 4TH
5:00pm**

FREE PIZZA!!!

** The Computer Science Department is located in the Old Laundry Building between Swift and the Powerhouse Theatre. Entrance is down some steps on the Swift side of the building.*

**You are invited to learn more at the Computer
Science Pre-registration Party and
Info Session**