

# Computer Science

## SUPPORT COURSES

**ASSOCIATE PROFESSOR:** Julie M. Clark (mathematics and statistics)

**ASSISTANT PROFESSOR:** Nancy R. Healy (adjunct)

**PART-TIME LECTURERS:** Larry Blankenship

### COURSES IN COMPUTER SCIENCE:

**CMPS 100: COMPUTERS IN SOCIETY (4)** **Healy**

Society appears on the threshold of universal computer dependence. Will this advance of society and technology cause a global revolution of social change? Can we use computers to solve human problems? Investigate these possibilities through an introduction to the science of computing. Word processing, database management, spreadsheets, and other application programs will be examined. Open to first-year students. Offered both terms. (*i*)

**CMPS 110: COMPUTER BASICS AND APPLICATIONS (2)** **Clark**

An introduction to the basics of personal computers and applications including word processing, spreadsheets, graphics, presentations, web page development, and database management. Available in both PC and MAC formats. Course is offered entirely online and requires students to work independently. Open to first-year students during Term 2 only. Offered both terms. (*i*)

**CMPS 160: COMPUTER SCIENCE I (4)** **Blankenship**

An introduction to computer science. Emphasis is placed on the software development life cycle (SDLC), including logical thinking, developing algorithms, and solving problems programmatically. Students will learn basic programming by studying Java used as a procedural language and learn to design, write, debug, and document programs from simple to medium complexity. Open to first-year students. Prerequisite: *q*. Offered Term 1. (*Q*)

**CMPS 197F: FIRST-YEAR SEMINAR - WOMEN AND TECHNOLOGY (4)** **Spodark**

Love it or hate it, we all end up using technology. It's not just for boys, either. For as long as we have records, women have used technology. This course will allow us to explore the role of technology in the lives of women. We will also be using computer technology to expand our powers as students. New Horizon student seminar: placement to be determined during the summer. Offered Term 1. (*i, r*)

**CMPS 260: COMPUTER SCIENCE II (4)** **Blankenship**

An introduction to object-oriented programming (OOP). The basic Java programming skills mastered in CMPS 160 are expanded with the introduction of OOP techniques, including inheritance, polymorphism, interfaces, and abstract classes. In addition, graphics, applets, and GUI programming are explored. Open to first-year students. Prerequisite: CMPS 160. Offered Term 2.

**CMPS 290: INDEPENDENT STUDY (2 or 4)** **Department**

Independent study conducted below the advanced level. Application must be made with faculty prior to registration. Offered any term.