CS 1107: Introduction to Computers

A. COURSE DESCRIPTION

Credits: 3
Lecture Hours/Week: 0
Lab Hours/Week: 0
OJT Hours/Week: *
Prerequisites: None
Corequisites: None
MnTC Goals: Goal 09 - Ethical/Civic Resp

An examination of the development of computing devices, modern computing practices, components of a computing system, common application software, and uses of computers in society. No previous experience with computers is assumed. Note: This course is not intended for Computer Science majors or minors. [Core Curriculum Goal Area 9]

B. COURSE EFFECTIVE DATES: 09/03/2002 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Organization and logistics; Conceptual Framework
2. Introduction to Computers
3. The Internet and the World Wide Web
4. Applications Software
5. The Components of the System Unit
6. Input
7. Output
8. Storage
9. Operating Systems and Utility Programs
10. Programming Languages and Program Development
11. Communications and Networks
12. Computer Security, Ethics, and Privacy

D. LEARNING OUTCOMES (General)

1. examine the components, functions, and subsystems of computer systems.
2. classify the various categories of computer software.
3. examine the culture of computing.
4. apply responsible integration of computer technology in a domestic and global society.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

Goal 09 - Ethical/Civic Resp

1. Examine, articulate, and apply their own ethical views.
2. Understand and apply core concepts (e.g. politics, rights and obligations, justice, liberty) to specific issues.
3. Analyze and reflect on the ethical dimensions of legal, social, and scientific issues.
F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted