QUEENSBOROUGH COMMUNITY COLLEGE
MATHEMATICS & COMPUTER SCIENCE DEPARTMENT

COURSE OUTLINE

CS100 CS-100 INTRODUCTION TO COMPUTERS AND PROGRAMMING

Pre-requisite: MA-010 OR MA-013 OR SATISFACTORY SCORE ON CMAT OR COMPASS EXAMS

Hours: 2 Class Hours 2 Lab Hours 3 Credits

Course Description: A survey of topics in computer science including history, hardware components, software applications and the use of computers in society. Use of software applications. Introduction of computer programming using a high level language.

Curricula for which the course is required/recommended:
A.A. Degree Programs in Liberal Arts and Sciences
A.A.S. Degree Programs in Music Electronic Technology

General Education Objectives: Use analytical reasoning skills to identify issues or problems and evaluate evidence in order to make informed decisions; reason quantitatively and mathematically as required in their fields of interest and in everyday life; integrate knowledge and skills in their program of study; use information management and technology skills effectively for academic research and lifelong learning.

Course Objectives/ Expected Student Learning Outcomes: Understand the basics of introductory computer programming, computer history, hardware components, software applications and the use of computers in society. Use of software applications and programming skills solve problems in various disciplines and life situations.

Texts: Tomorrow's Technology and You Complete 9th Edition
by: George Beekman and Ben Beekman
Prentice Hall

Microsoft Visual Basic 6 (VB)
1999 Edition
by: Shelly, Cashman, Repede, Mick
ITP Publishing Co.

An Introduction to HTML
by: M. Small & M. Vulis
Pearson Custom Publishing

Methods by which student learning will be evaluated:

The general guidelines for assessing grades are as follows:

- Examinations 40%
- Laboratory Work, Assignments 20%
- Final Examination 40%

The distribution may be changed at the discretion of the individual instructor.

Required attire: Any type of food or beverage in the computer lab is forbidden.

Academic Integrity: Academic honesty is taken extremely seriously and is expected of all students. All assignments must be the original work of the student (and partners or group, if applicable). All questions or concerns regarding ethical conduct should be brought to the course instructor. "It is the official policy of the College that all acts or attempted acts that are violations of academic integrity be reported to the Office of Student Affairs (OSA). At the faculty member's discretion and with the concurrence of the student or students involved, some cases, though reported to the OSA, may be resolved within the confines of the course and department. The instructor has the authority to adjust the offender's grades as deemed appropriate, including assigning an F to the assignment or exercise or, in more serious cases, an F to the student for the entire course." (Taken from the QCC Academic Integrity Policy, 2/14/2005.)

NOTE: *Any student who feels that he/she may need an accommodation based upon the impact of a disability should contact the instructor privately to discuss his/her specific needs. Please contact the office of Services for Students with Disabilities in Science Building, room 132 (718 631 6257) to coordinate reasonable accommodations for students with documented disabilities*.

LECTURE SCHEDULE: TOMORROW'S TECHNOLOGY AND YOU

WEEK	TOPIC	CHAPTER
I	Overview of Computers	Chapters 1
2 - 3	Inside the System Unit	Chapter 2
4	Input and Output	Chapter 3
5	Review. Exam 1	Chapters 1-3
6	Storage Devices, ports and slots	Chapter 3
7	System Software	Chapter 4
8	Networking and Telecommunication	Chapter 8
9	Review. Exam 2	Chapters 3,4,8
10 -11	Internet and World-Wide Web	Chapter 9
11	Computer Security	Chapter 4, 10
12	Computer Applications	Chapter 11
13	Review. Exam 3	Chapter 9-11 + parts of 4
14	E-Commerce	Chapter 13

The approximate hours per chapter are guidelines and are at the discretion of the instructor. The instructor is responsible for making assignments and scheduling examinations. The Final Exam date is scheduled by the Registrar.

COMPUTER LABORATORY SCHEDULE

WEEK	TOPIC
1	Introduction to Windows 2000
2	Introduction to Word and Excel
3	Visual Basic: Project 1
4	Visual Basic: Project 2
5	Visual Basic Project 2
6	Visual Basic: Project 3
7	Visual Basic: Project 3
8	Visual Basic: Project 4
9	Visual Basic: Project 4
10	Visual Basic: Project 5
11	Visual Basic: Project 6
12	Introduction to HTML
13	Creating Web Pages
14	Creating Web Pages