

A. Course Number and Title:	COMP110 Computer Science Fundamentals
B. Course Description:	Overview of how information technology is used in everyday life. Topics include the history of computers, hardware, software, data, information, networks, telecommunications, e-commerce, systems development, specialized information systems, the personal and social impact of computers, and current topics in IT. (N, S)
D. Duration of Instructional Period:	180 Minutes Lecture per week for 15 weeks No Laboratory
E. Suggested Text(s):	Discovering Computers – Fundamentals <i>2012 Edition</i> Shelly, Vermaat Course Technology, Cengage Learning ISBN-13: 978-1-111-53045-7 ISBN-10: 1-111-53045-9
G. Course Outcomes:	<u>Upon completion, the student will be able to:</u> <ol style="list-style-type: none"> 1. Use a microcomputer. 2. Use the Internet for research. 3. Explain the steps involved in systems design, defining, designing, and writing a computer program. 4. Explain the function of each component of a computer. 5. Demonstrate an understanding of Information Technology terminology and applications. 6. List the uses of computers in society: business, education, retail, health care, etc.

Last Updated 11/1/2012

H. Learning Resource Center: Students are strongly encouraged to use the library and Internet, where appropriate, when completing assignments.

I. Topical Outline

Week	Topics	Readings	Projects
1	Introduction	Syllabus Outline	
2	Introduction to Computers	Chapter 1	Chapter 1 assignments
3	The Internet & World Wide Web	Chapter 2	Chapter 2 assignments
4	Application Software	Chapter 3	Chapter 3 assignments
5	Components of the System Unit	Chapter 4	Chapter 4 assignments
6	Exam 1	Chapters 1-4	
7	Input & Output	Chapter 5	Chapter 5 assignments
8	Storage	Chapter 6	Chapter 6 assignments
9	Operating Systems & Utility Programs	Chapter 7	Chapter 7 assignments
10	Communication & Networks	Chapter 8	Chapter 8 assignments
11	Database Management	Chapter 9	Chapter 9 assignments
12	Exam 2	Chapters 5-8	
13	Security, Safety & Privacy	Chapter 10	Chapter 10 assignments
14	Systems Development & Programming	Chapter 11	Chapter 11 assignments
15	Enterprise Computing	Chapter 12	Chapter 12 assignments
16	Final Exam	Chapters 9-12	