

University of North Alabama
Course Syllabus
CS 120 Introduction to Computers

Catalog Description

CS 120 Intermediate Computer Topics (3 hours)

Intermediate topics in computer usage: system configuration; software and hardware installation; advanced applications usage; an introduction to programming.

Course Content Goals

- i. Recognize sources of configuration and troubleshooting information about a computer
- ii. Familiarization with tools and utilities for configuration and maintenance, including batch programming
- iii. To have general knowledge of the processes of software and hardware installation
- iv. Introduction to the basics of the process of programming and simple programming tools
- v. Familiarization with application macros

Course Learning Outcomes

- 1) To be able to use utilities and other documentation for computer configuration
- 2) To be able to understand and use batch programming
- 3) To be familiar with the software and hardware installation process
- 4) To be familiar with the basic process of programming
- 5) To be able to use simple programming tools to create simple programs
- 6) To be able to use application macros

Prerequisite(s)

None

Textbook(s)/Required Materials

Text: *Learning to Program with Alice, Brief Edition* by Dann, Cooper and Pausch (ISBN: 0132397757).
Course materials at: una.angellearning.com

Academic Honesty Statement

Each student is expected to behave in an ethical manner, to complete all course assignments without substantial help from anyone else and to neither offer nor accept help on course tests. See the University's Academic Honesty Statement in the catalog.

Equal Opportunity Statement

In accordance with the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973, the University offers reasonable accommodations to students with eligible documented learning, physical and/or psychological disabilities. Under Title II of the Americans with Disabilities Act (ADA) of 1990 and Section 504 of the Rehabilitation Act of 1973, a disability is defined as a physical or mental impairment that substantially limits one or more major life activities as compared to an average person in the population. It is the responsibility of the student to contact Developmental Services prior to the beginning of the semester to initiate the accommodation process and to notify instructors within the first three class meetings to develop an accommodation plan. Appropriate, reasonable accommodations will be made to allow each student to meet course requirements, but no fundamental or substantial alteration of academic standards will be made. Students needing assistance should contact Developmental Services.

Relationship of UNA/CS program outcomes to ABET program outcomes

ABET Program Outcomes	Satisfying Course Learning Outcomes/Content Goals
a) An ability to apply knowledge of computing and mathematics appropriate to the discipline	
b) An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution	i,ii,iv,v
c) An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs	iii,1,2,3,4,5,6
d) An ability to function effectively on teams to accomplish a common goal	
e) An understanding of professional, ethical, legal, security and social issues and responsibilities	i,iii, v
f) An ability to communicate effectively with a range of audiences	
g) An ability to analyze the local and global impact of computing on individuals, organizations, and society	i,iii,v
h) Recognition of the need for and an ability to engage in continuing professional development	
i) An ability to use current techniques, skills, and tools necessary for computing practice	
j) An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the tradeoffs involved in design choices	4,5
k) An ability to apply design and development principles in the construction of software systems of varying complexity	

Date Reviewed:

Fall 2011

Next Date to be Reviewed:

TBA

Date Approved:

Fall 2011