



Abraham Baldwin

AGRICULTURAL COLLEGE

A State College of the University System of Georgia

TIFTON, GEORGIA

Course Syllabus

Course Name:

Computer Science I

Course Number:

CSCI 1301

Course Description:

Four hours of lecture/demonstration each week. This course includes an overview of computers and programming; problem-solving and algorithm development; simple data types; arithmetic and logical operators; selection structures; repetition structures; text files; arrays (one- and two-dimensional); procedural abstractions and software design; object-oriented programming techniques.

Pre-requisites/Co-requisites:

Exemption from or successful completion of READ 0099, ENGL 0099, and MATH 0099 and MATH 1111 or exemption.

Course Learning Outcomes:

On successful completion of this course, students are expected to be -

- familiar with basic computing and problem solving concepts
- familiar with a strategic subset of the Java language
- acquainted data types
- familiar with sequence control mechanisms
- able to use objects
- able to implement classes and methods
- acquainted with recursion
- familiar with elementary sorting and searching algorithms
- acquainted with some of the social context and historical context of computing

College Policy on Class Attendance:

http://www.abac.edu/catalog/2007_2008/AcademicPolicy.pdf

College Policy on Academic Dishonesty:

http://www.abac.edu/catalog/2007_2008/AcademicPolicy.pdf

If there is a student in this class who has specific needs because of learning disabilities or any other disability, please feel free to contact the instructor.

This is a partial syllabus. More detailed information relating to the class and Instructor will be made available to each student.