



# Abraham Baldwin

## AGRICULTURAL COLLEGE

A State College of the University System of Georgia

TIFTON, GEORGIA

### Course Syllabus

Course Name: <b>Computer Science II</b>
Course Number: CSCI 1302
<b>Course Description:</b>  Four hours of lecture/demonstration each week. The course includes an overview of abstract data types (ADTs); arrays (multi-dimensional) and records; sets and strings; binary files; searching and sorting; introductory algorithm analysis (including Big-O); recursion; pointers and linked lists; software engineering concepts; dynamic data structures (stacks, queues, trees).
Pre-requisites/Co-requisites: CSCI 1301
<p style="text-align: center;">Course Learning Outcomes:</p> <p>On successful completion the student will be --</p> <ul style="list-style-type: none"><li>• familiar with basic computing and problem solving concepts</li><li>• familiar with a strategic subset of the Java language</li><li>• able to implement classes and methods</li><li>• able to use objects</li><li>• familiar with basic data structures</li><li>• familiar with elementary sorting and searching algorithms</li><li>• acquainted with abstract data types</li><li>• acquainted with run-time storage management</li></ul>
College Policy on Class Attendance:  <a href="http://www.abac.edu/catalog/2007_2008/AcademicPolicy.pdf">http://www.abac.edu/catalog/2007_2008/AcademicPolicy.pdf</a>
College Policy on Academic Dishonesty:  <a href="http://www.abac.edu/catalog/2007_2008/AcademicPolicy.pdf">http://www.abac.edu/catalog/2007_2008/AcademicPolicy.pdf</a>
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.