



Abraham Baldwin

AGRICULTURAL COLLEGE

A State College of the University System of Georgia

TIFTON, GEORGIA

Course Syllabus

Course Name: Introduction to Microcomputer Programming
Course Number: ITEC 2260
Course Description: Students learn to write modular, well-documented programs. Topics begin with an overview of problem-solving methods, algorithms, modules, program flow, flowcharting, pseudo-code, and documentation. This is followed by instruction in data types and basic control structures, including loops, conditionals, arrays, subroutines, files, and records. Weekly programming assignments employ these features as they are introduced.
Pre-requisites/Co-requisites: CISM 2201 with minimum grade of "C".
<p style="text-align: center;">Course Learning Outcomes:</p> <p>Upon completion of the course, the student will:</p> <ul style="list-style-type: none">• Describe the different types of programming languages.• Recognize the importance of problem-understanding and program-planning.• Prepare the necessary flowcharts, pseudo-code, and other documentation.• Identify, describe, and understand the components of a computer program.• Recognize the differences between syntax, run-time, and logical errors and how such errors can be trapped and avoided.• Understand how variables and constants are declared, initialized, and assigned values.• Recognize the different mathematical operators and recognize the sequence of their execution.• Understand conditional statements and how they are used to direct the flow of a program.• Recognize the need for loops and know how to construct necessary loops and repetitions.• Understand the concept of arrays, when they are needed, how they are created, how to populate an array, and how arrays are processed in a program.• Design a user-friendly and effective graphical-user interface (GUI).
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.