Date approved or revised 8/23/13

Angelina College
Business Division
ITSE 1302 COMPUTER PROGRAMMING SPRING 2019
Tentative Instructional Syllabus

I. BASIC COURSE INFORMATION

A. Course Description: Computer Programming.
Three hours credit. Introduction to computer programming including design, development, testing, implementation, and documentation. Lab fee.

B. Intended Audience:
This is a freshman level course intended for information technology students pursuing a two-year degree.

C. Instructor:
Name: Saundra May
Office Location: B102F
Office Hours: MW: 8:00 – 11:00 M: 1:00 – 4:00, TR: 8:00 – 9:00, 1:00 – 4:00, F: 8:00 – 12:00
Phone: 633-5306
E-mail Address: smay@angeling.edu

II. INTENDED STUDENT OUTCOMES:

A. Core Objectives Required for this Course

1. Critical Thinking: to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information

2. Empirical and Quantitative Skills: to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions

3. Personal Responsibility: to include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

B. End-Of-Course Outcomes for all sections –

1. The student will demonstrate the ability to use programming design techniques.
2. The student will demonstrate the ability to develop programs.
3. The student will demonstrate the ability to test and implement programs.
3. The student will demonstrate the ability to create and develop appropriate documentation.

III. ASSESSMENT MEASURES OF STUDENT LEARNING OUTCOMES:

A. Assessments for the Core Objectives –

1. Critical Thinking – Critical thinking will be assessed through the student's ability to complete specific lab assignment. The student's performance of this specific learning activity will be assessed through the utilization of the AC Critical Thinking Skills value rubric.
2. Empirical and Quantitative Skills – Students will develop formulas to be included in a program. The student's performance of this specific learning activity will be assessed through utilization of the AC Empirical and Quantitative Skills value rubric.
3. Personal Responsibility – Students will explore ethical questions regarding programmers' rights in an assignment. The student's performance of this specific learning activity will be assessed through utilization of the AC Personal Responsibility value rubric.

B. Assessments for Course Objectives for all sections –

1. The student will demonstrate the ability to use programming design techniques by answering questions on exams and completing lab assignments.
2. The student will demonstrate the ability to develop correct executable programs through successful completion of lab assignments

3. The student will demonstrate the ability to test and implement programs through successful completion of lab assignments
4. The student will demonstrate the ability to create and develop appropriate documentation through the successful completion of lab assignments.

IV. INSTRUCTIONAL PROCEDURES:

Methodologies used in this course include discussion, demonstration, and hands-on lab activities.

V. COURSE REQUIREMENTS AND POLICIES:

A. Required Textbooks, Materials, and Equipment –
Farrell, Joyce. An Object-oriented Approach to Programming Logic and Design. 4th ed.
ISBN-13: 978-1-133-18822-3 ISBN-10: 1-133-18822-2.

B. Assignments –
See instructor's attached schedule for course assignments and dates.

C. Course Policies – (This course conforms to the policies of Angelina College as stated in the Angelina College Handbook.)

1. **Educational Accommodations** – If you have a disability (as cited in Section 504 of the Rehabilitation Act of 1973 or Title II of the Americans with Disabilities Act of 1990) that may affect your participation in this class, you may fill out the Educational Accommodations application within your AC Portal, under the "Student Services" tab. A Student Success team member will contact you once the application is received. At a post-secondary institution, you must self-identify as a person with a disability in order to receive services; for questions regarding the application process you can visit the Office of Student Success and Inclusion in the Student Center (205A); text 936.463.8078; or email access@angelina.edu. To report any complaints of discrimination related to a disability, you should contact Mr. Steve Hudman, Dean of Student Affairs, in Room 101 of the Student Center. You may also contact Dean Hudman by calling (936) 633-5292 or by emailing shudman@angelina.edu.

2. **Discrimination –** Angelina College admits students without regard for race, color, creed, sex, national origin, age, religion, or disability. To report any complaints of discrimination related to disability, you should contact Mr. Steve Hudman, Dean of Student Affairs, in Student Center, Room 101, (936) 633-5292 or by email shudman@angelina.edu, Dean of Student Affairs, in Student Center, Room 101, (936) 633-5292 or by email shudman@angelina.edu.

3. **Attendance –** You are expected to attend class regularly. Angelina College's policy allows an instructor to drop a student after 3 consecutive or 4 accumulative absences, and if the student wishes to be readmitted, the approval must come from the Dean of Instruction. However, this instructor **will not** drop a student for absenteeism. If a student is unable to complete this course or any course, the student must withdraw by Friday April 1st.

Additional Policies Established by the Individual Instructor – see attached classroom rules

VI. COURSE OUTLINE:

CHAPTER 1 – ASSIGNMENT: ANSWER QUESTIONS 1 – 20 ON PAGES 26 – 28
CHAPTER 2 – ASSIGNMENT: #6 ON PAGE 61
CHAPTER 3 – ASSIGNMENT: #7 ON PAGE 112
CHAPTER 4 – ASSIGNMENT: #6 ON PAGE 153
TEST OVER CHAPTERS 1 – 4, SUNDAY, FEBRUARY 17 – MONDAY, FEBRUARY 18TH
ASSIGNMENTS FOR CHAPTERS 1 – 4 DUE FRIDAY, FEBRUARY 22ND

CHAPTER 5 – ASSIGNMENT: #2a PAGE 192
CHAPTER 6 – ASSIGNMENT: #7 PAGE 246
CHAPTER 7 – ASSIGNMENT: #7a&b PAGE 292
CHAPTER 8 – ASSIGNMENT: #5a,b and c PAGE 334
TEST OVER CHAPTERS 5 – 8, SUNDAY, MARCH 31 – MONDAY, APRIL 1ST
ASSIGNMENTS FOR CHAPTER 5 – 8 DUE FRIDAY, APRIL 5TH

CHAPTER 9 – ASSIGNMENT: #4 PAGE 367
CHAPTER 10 – ASSIGNMENT: #2 PAGE 398
CHAPTER 11 – ASSIGNMENT: #3 PAGE 432
CHAPTER 12 – ASSIGNMENT: #3a PAGE 480
FINAL EXAM OVER CHAPTER 9 – 12 SUNDAY, MAY 5 – MONDAY, MAY 6TH
ASSIGNMENTS FOR CHAPTERS 9 – 12 DUE WEDNESDAY, MAY 8TH

VII. EVALUATION AND GRADING:

A. Grading Criteria

Exams	50%
Labs	50%
	100%

B. Determination of Grade

A	90 – 100
B	80 - 89
C	70 - 79
D	60 - 69
F	Below 60

VIII. SYLLABUS MODIFICATION:

The instructor may modify the provisions of the syllabus to meet individual class needs by informing the class in advance as to the changes being made.