Bossier Parish Community College  
Master Syllabus

Course Prefix and Number:  CIT 102  
Credit Hours:  3-3-0

Course Title:  Problem Solving and Programming Techniques

Course Prerequisites:  None

Textbook(s):  None

Course Description:  This course is an introduction to program development using various problem-solving techniques. Emphasis is placed on using algorithms and pseudocode to design programs. Various control structures used in computer programming are also discussed.

Learning Outcomes:
At the end of this course, the student will:
   A. write programs which have input, processing, and output;
   B. write programs which have Boolean logic and decision structures;
   C. write programs which have repetition structures;
   D. write programs using simple functions; and
   E. write essays responding to contemporary issues in computing.

To achieve the learning outcomes, the student will or will be able to:
(The letter designations at the end of each statement refer to the learning outcome(s).)
   1. design and write programs which have input/output (A);
   2. design and write program solutions for mathematical operations and logic (A);
   3. design and write programs using if statements, if-else statements, and nested if-else statements (B);
   4. design and write programs using Boolean expressions, relational, and logical operators (B);
   5. design and write programs using while loops, condition-controlled loops (C);
   6. design and write programs using for loops, nested loops (C);
   7. design and write programs which use functions and arguments (D); and
   8. read online resources and write essays responding to contemporary issues in computing (E).

Course Requirements:
   1. A student must successfully complete the course with an average of 70% or above on the combined learning outcomes.
   2. Each student is expected to attend classes regularly; excessive unexcused absences constitute grounds for suspension (refer to the student handbook for attendance policies).

Course Grading Scale:
   90 – 100  = A

Revised:  04/03/2017
80 – 89 = B
70 – 79 = C
60 – 69 = D
0 – 59 = F

**Attendance Policy:** The college attendance policy is available at http://www.bpcc.edu/catalog/current/academicpolicies.html

**Course Fees:** This course is accompanied with an additional fee for supplemental materials.

**Nondiscrimination Statement:** Bossier Parish Community College does not discriminate on the basis of race, color, national origin, gender, age, religion, qualified disability, marital status, veteran's status, or sexual orientation in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of its operations. Bossier Parish Community College does not discriminate in its hiring or employment practices.

Title VI, Section 504, and ADA Coordinator
Sarah Culpepper, Coordinator
Disability Services, D-110
6220 East Texas Street
Bossier City, LA 71111
Phone: 318-678-6539
Email: sculpepper@bpcc.edu
Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.

Equity/Compliance Coordinator
Teri Bashara, Director of Human Resources
Human Resources Office, A-105
6220 East Texas Street
Bossier City, LA 71111
Phone: 318-678-6056
Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.