I. IDENTIFYING INFORMATION
A. COURSE: CSCI 1101 INTRODUCTION TO COMPUTING & PROBLEM SOLVING
B. INSTRUCTOR: KEVIN D. LEE E-MAIL: kevin.lee@normandale.edu
C. WEB SITE: sites.normandale.edu/kevinlee
D. SEMESTER: Spring 2016
E. LECTURE: MTuWTh, 11-11:50, C3002
F. CREDITS: 4
G. PREREQUISITES: MATH 700 or 750 with a C or better, or scoring at MATH 1100 on the placement exam.
H. OFFICE: C3121 PHONE: 952 358-8415
I. OFFICE HOURS: MTuTh 10-11, MW 12-1, and by appointment

II. COURSE OBJECTIVES
Students must be successfully able to:
A. Solve problems using a top-down approach by designing algorithms using pseudo-code and flowcharts and breaking the problem into modules that are implemented using procedures and functions in a computer language.
B. Use structured programming and documentation.
C. Trace algorithms showing their dynamics.
D. Use truth tables to understand boolean (logical) expressions
E. Use recursion when appropriate as a problem solving strategy.
F. Use a variety of data structures including arrays.
G. Use procedures and functions with parameters
H. Design programs in the C programming language.
I. Use a development environment to enter, execute, debug and print C programs.

III. MATERIALS NEEDED

IV. ASSIGNMENTS
A. Reading assignments from the textbook or internet, to be completed before the class discussion.
B. Problems and assignments from the textbook and handouts (approximately 4).
C. Programming assignments which involving using an Electronic Spreadsheet, Scratch, Raptor, Python or a C-compiler (approximately 12). The assignments will vary in difficulty from quite simple to quite complex. You are advised to start all programming assignments promptly to allow for the variety of problems you may run into.
V. EVALUATION
A. Assignments 25%
B. Chapter Tests (3 – 50 minute exams) 45%
C. Final Exam (comprehensive) 30% (The final exam will be Mon., Dec 12, 11-2)
D. Grading
   90%-100% A
   80%-89%  B
   70%-79%  C
   60%-69%  D
   59%-0    F

VI. Class Policies
A. Class will start promptly at the beginning of the period. You are responsible for all lecture notes, assignments, and announcements given in class even if you are absent or tardy.
B. Advance Notice must be given if a test is to be missed, or a grade of zero is given for the test.
C. There will be no make-up tests unless advance notice is given and the circumstances merit a special arrangement.
D. Assignments are to be completed by the stated due date. Assignments may be turned in the next class session with a 10% penalty, after the one session grace period the assignment will no longer be accepted.
E. You are required to do your own work. Cheating on tests and assignments will not be tolerated.
F. You will receive a zero for any test or assignment that is not your own work.
G. Conventional standards of classroom behavior will be observed. Students will show respect for others during class by not talking while the instructor is a lecturing, and by coming to class on time.
H. If you are not passing you must withdraw by Nov. 23 to get a “W” grade.
I. Disability Services and Accessibility: Normandale Community College is committed to providing equal access for students with disabilities through the services provided by the Office for Students with Disabilities (OSD). If you have an educational need because of a disability, please make an appointment for an intake/interview to discuss these needs so that appropriate accommodations can be implemented for your Normandale courses. Appointments can be made by calling the OSD staff at 952-358-8625, emailing osd@normandale.edu, or stopping by the L2751 office. This syllabus is available in alternate formats upon request.