

# UMass Boston CS 240, Spring 2020

## Programming in C

**Lectures** Tuesday & Thursday 11:00PM – 12:15AM, W02-0200  
**Instructor** Haoyu Wang (Haoyu or Mr. Wang)  
Email: [haoyu.wang001@umb.edu](mailto:haoyu.wang001@umb.edu)  
Office location: M-03-0137  
Office hours: Mon, Wed, 9:45PM – 10:45AM; or by appointment  
**Textbook** Brian Kernighan and Dennis Ritchie, The C Programming Language, 2nd Edition, 1988, Prentice Hall.  
**Class Page** Lecture notes and assignments are posted on <https://www.cs.umb.edu/~haoyu/cs240.html>

### Course Description

C programming for programmers already knowledgeable in some high-level language (e.g., having taken one semester of introductory programming in Pascal, Java, Smalltalk, Lisp, etc.). C is presented as both a general-purpose and machine-level language. Topics covered include representation of integer and character data, bitwise operations, masking, memory allocation methods, pointers, dynamic data structures, file I/O, separate compilation, program development tools and use of debuggers.

No courses required by the CS major, minor, or certificate may be taken pass/fail.

### Prerequisites

CS 110 Introduction to Computing

### Evaluation

The total score consists of the following:

- 40%: Eight homework assignments, 5% each. (No lowest homework score dropping)
- 60%: Two of three tests, 30% each. (Highest one of the first two and the final exam)

The total score,  $S$ , is converted to a letter grade according to the following table.

$90 \leq S$	A
$87 \leq S < 90$	A-
$84 \leq S < 87$	B+
$80 \leq S < 84$	B
$76 \leq S < 80$	B-
$73 \leq S < 76$	C+
$70 \leq S < 73$	C
$66 \leq S < 70$	C-
$64 \leq S < 66$	D+
$62 \leq S < 64$	D
$60 \leq S < 62$	D-
$S < 60$	F

### Accommodation

Section 504 of the Rehabilitation Act of 1973 offers guidelines and support for curriculum modifications and adaptations for students with documented disabilities. If applicable, students may obtain adaptation recommendations from the Ross Center for Disability Services, Campus Center, Upper Level, Room 0211, 617-287-7430. The student must present these recommendations and discuss them with each professor within a reasonable period, preferably by the end of Drop/Add period.

### Code of Conduct

It is the expressed policy of the University that every aspect of academic life – not only formal coursework situations, but also all relationships and interactions connected to the educational process – shall be conducted in an absolutely and uncompromisingly honest manner. The University presupposes that any submission of work for academic credit is the student's own and is in compliance with University policies, including its policies on appropriate citation and plagiarism. These policies are spelled out in the Code of Conduct [http://www.umb.edu/life\\_on\\_campus/policies/community/code](http://www.umb.edu/life_on_campus/policies/community/code)

**Reserve Clause**

The instructor reserves the right to make changes in the syllabus when necessary to meet the learning objectives, to compensate for missed classes, schedule changes, or hardware, software, and network failures, or for other legitimate reasons.