

# CS 240 Programming in C

## Fall 2019 Syllabus

### Basic Information

- Class Location & Time: Wheatley W01-0005, TuTh 2 - 3:15 PM
- Class platforms:
  - CS Unix server (for programming): obtain remote access, and write and run C programs
  - Piazza (for discussion): sharing course materials + polls + QA + announcements
  - Blackboard: grades + lecture videos

### Instructor: Dr. Xiaohui Liang

- Email: [xiaohui.liang@umb.edu](mailto:xiaohui.liang@umb.edu)
- Office location & hours: Science building, 3rd Floor, Room 80, Tues & Thu 1-2 PM

### TA and Supplemental Instruction

- TA1: Haoyu Wang, [Haoyu.Wang001@umb.edu](mailto:Haoyu.Wang001@umb.edu)
- TA1 office location & hours: Science building, 3rd Floor, Room 70, Mon 4:15-5:15 & Fri 12-1;
- TA2: Anh Vo, [Anh.Vo003@umb.edu](mailto:Anh.Vo003@umb.edu)
- TA2 office location & hours: Science building, 3rd Floor, Room 124, Mon/Wed 12-1;
- SI leader: Joyce Quach, [Joyce.Quach001@umb.edu](mailto:Joyce.Quach001@umb.edu)
- SI sessions: Y-04-4100 University Hall, 4th floor, Room 4100, Mon/Wed 11-11:50

### Course Description

- This course will teach you how to write, execute, and debug C language programs. The first 7 chapters of the Kernighan & Ritchie book will be covered. Topics include: introduction to C; types, operators and expressions; control flow; functions and program structure; pointers and arrays; structures; input and output. In addition, chapters 3, 5, 6 and some part of chapter 11 in Glass & Ables book will be covered. This will teach you how to get around the UNIX/LINUX system: editing, creating directory files, access to other directory files, compilation, assembly, makefile, script files, debugger, and shells.

### Course Materials

- (Book) The C Programming Language, 2nd Edition, Kernighan & Ritchie, Prentice Hall
- (Book) LINUX for Programmers and Users, 1st Edition, Glass & Ables, Prentice Hall

- 25 Lecture slides + lecture videos + 7 home works + 3 exams + code examples + some notes

## Attendance

I'll not take attendance. You are strongly encouraged to participate in any class activities. If you miss a class, it is your responsibility to find out what has been covered.

## Grading Policies

- Grades are posted in Blackboard.
- $100 = 10 \text{ per homework} * 7 + 15 \text{ per exam} * \text{any 2 of 3 exams}$
- Grades are determined based on homework assignments (70%) and in-class examinations (30%). There will be 7 homework assignments. Each homework counts for 10%. 7 homeworks have been posted in Piazza. No late homework assignments will be accepted after the due date. Solutions will be posted after the due date. Hard copies of homeworks shall be handed to me in Thursday's class before the deadline. Homeworks are graded by the TA. E-copies of homeworks shall be saved in our Unix server for backup.
- There will be 2 exams and a final exam. All examples are open-book. No electronic devices are allowed. Exam scores will be scaled up if the class average is below a C-. I will take the results from the best two exams. If you miss two exams, you will automatically get an F. I do not give Incompletes. If you have a serious issue, please come in and see me before the exams.

**Number to letter grade conversion** (I reserve the right to lower these standards.)

- $90+ = A$ ;  $87-89 = A-$ ;  $84-86 = B+$ ;  $80-83 = B$ ;  $77-79 = B-$ ;  $74-76 = C+$ ;
- $70-73 = C$ ;  $67-69 = C-$ ;  $64-66 = D+$ ;  $60-63 = D$ ;  $<60 = F$

## Accommodations

This class seeks ways to become a working and evolving model of inclusion and universal design for all participants. Individuals with disabilities of any kind (including learning disabilities, ADHD, depression, health conditions), who require instructional, curricular, or test accommodations are responsible for making such needs known to the instructor as early as possible. Every effort will be made to accommodate students in a timely and confidential manner. Individuals who request accommodations must be registered with the Ross Center for Disability Services, which authorizes accommodations for students with disabilities. If applicable, students may obtain adaptation recommendations from the Ross Center for Disability Services, M-1-401, (617-287-7430), [www.rosscenter.umb.edu](http://www.rosscenter.umb.edu). The student must present these recommendations and discuss them with each professor within a reasonable period, preferably by the end of the Drop/Add period.

## Student Conduct

Students are required to adhere to the University Policy on Academic Standards and Cheating, to the University Statement on Plagiarism and the Documentation of Written Work, and to the Code of Student Conduct as delineated in the catalog of Undergraduate Programs, pp. 44-45, and 48-52. The Code is available online at: [https://www.umb.edu/life\\_on\\_campus/policies/community/code](https://www.umb.edu/life_on_campus/policies/community/code).

## Additional information

We will use Piazza for communication and discussion. Make sure you install a Piazza mobile application on your smartphone or log into piazza.com with your UMB e-mail. All announcement, QA, and course materials are made via Piazza. Lecture videos and grades are posted in the Blackboard. Use your UMB e-mail to log into the Blackboard. You can use another programming environment, but make sure i) you follow the requirements and formats in the homework assignment; ii) your program is uploaded to our Unix server and can be executed as you expect.