MTH 307/417 - PROGRAMMING AND DATA STRUCTURES
SEMESTER 2, 2017-18

January 10, 2018

General information

Classroom: Mon, Wed: AB1 - 316, Fri: CC Lab
Schedule: Mon, Wed & Fri, 5:00 - 6:00 PM
Webpage: `http://home.iiserb.ac.in/∼kashyap/MTH 307-s18/mth307.html`

Contact information:

Instructor: Dr. Kashyap Rajeevsarathy
Office: Academic Building 1, Room 108
Office hours: Mon, 10:00 - 11:00 AM (or by appointment)
E-mail: `kashyap@iiserb.ac.in`

Topics

- You are advised to regularly check the Lesson Plan for the course available at: `http://home.iiserb.ac.in/ kashyap/MTH 307-s18/lp.pdf`.

- You may also refer to Page 20 of the Mathematics Course Contents manual available at: `http://acad.iiserb.ac.in/pdf/mth.pdf`

Suggested books

1. Donald E. Knuth, *The art of computer programming (five volumes, 0 - 4)*, Addison Wesley.

2. V. Aho, J. E. Hopcroft and J. E. Ullman, *Data Structures and Algorithms*, Pearson Education India, 2002.

3. W. Kernighan, D. M. Richie, *The C Programming Language (2nd ed.)*, Prentice Hall, 1988.

4. K. N. King, *C programming - A modern approach (2nd ed.)*, W. W. Norton & Company, 2008.

Homework policy

- Homework assignments will be due every other week. The problems to be turned in and the due dates will be posted on the course webpage. So it is your responsibility to regularly check the course webpage for any updates.

- If you must miss the class on a due date, try turning in your assignment in advance or have some one else turn it in for you.

- Problems written should be legible and must clearly indicate the steps used to arrive at the solution.

Quiz and exam policy

- Up to two quizzes may be administered during the course of the semester - one before the midterm and another before the final. The syllabus for the quizzes with be announced in class.

- The schedule for the midterm and final exams will be as per the academic calendar.

- The topics for the midterm exam will be announced in class in due course. However, the final exam will be comprehensive with more emphasis on topics that will be discussed after the midterm exam.

- No books, notes, or electronic devices of any kind may be used during exams.

- When graded exams or quizzes are returned, please check them carefully for any grading errors. All grading issues should be brought to my

attention as soon as possible. Note that your scores are not renegotiable after the final grades are submitted.

- Do not make travel plans that might prevent you from taking any scheduled exam or quiz. If you have a verifiable reason why you cannot be present at an exam, you must contact me in advance to make an alternative arrangement.

Grading Scheme:

A total of 100 percentage points will be distributed as follows:

- Homework - 20 %

- Midterm - 30 %

- Final Exam - 50 %