METU
Department of Computer Engineering
CENG 140 C Programming
Spring 2015 Syllabus

Instructors:
Section 1: İ. Sengör Altıngövde  Tel: 210 5580  Office: A203  alttingovde@ceng.metu.edu.tr
Section 2: Ahmet Coşar  Tel: 210 5566  Office: A208  cosar@ceng.metu.edu.tr
Section 3: Göktürk Üçoluk  Tel: 210 5584  Office: A408  ucoluk@ceng.metu.edu.tr

Lecture Hours:
Section 1:  Wednesday 10:40, 11:40 (BMB1);  Friday 12:40 (BMB1)
Section 2:  Monday 9:40 (BMB-3)   Wednesday 10:40, 11:40 (BMB-3);
Section 3:  Monday 9:40 (BMB-2)       Wednesday 10:40, 11:40 (BMB2)

Teaching Assistants:
Mehmet Akif Akkuş  Tel: 5592  Office: A402  akifakkus@ceng.metu.edu.tr
Burak Kerim Akkuş  Tel: 5593  Office: A206  burakkerim@ceng.metu.edu.tr
Alper Demir  Tel: 5586  Office: A205  ademir@ceng.metu.edu.tr
Ezgi Ekiz (Coordinator)  Tel: 5545  Office: A205  ezgi@ceng.metu.edu.tr
Murat Öztürk  Tel: 5532  Office: B204  mozturk@ceng.metu.edu.tr

Catalog Description
Advanced programming with C: storage and control structures, recursion and programming with dynamic data structures. Homeworks are required to run on Unix environment.

Textbook
(http://ramkumar.agrawal-family.org/ansic.htm)

Course web page
http://cow.ceng.metu.edu.tr

Course Outline (tentative)

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Course conduct
- Weekly lectures
- Lab practices (8 of them, graded, textbook allowed)
- Lab exams (4 of them, graded, exam style)
- Take-home exams
- In-class exams
Grading (tentative)
Lab practices (8 practices)  4%
Lab exams (4 exams)   20%
(missing any two of these labs without a legal excuse means FAILING the course directly!)
Take-home exams (2 exams)  26%
Midterm 25%
Final  25%

COURSE POLICIES (please read carefully)
1) Lab-practice: There will be 8 lab practices throughout the semester. In each of these practices, the teaching assistants (TAs) may shortly cover a subject that is related to what you have learnt in the lectures in that week, and then we will give you simple programming question(s). Here, through a web based interface you will write your solution and submit it (your program will get automatically graded at the spot). You may only use the textbook and your lecture notes (but no other written or electronic resources). You may interact with the TAs (but not your friends).

2) Lab exams: Four times you will receive programming assignments prior to the weekend. The following week, you will have to attend a lab session which will run for 2 lectures: An in-lab-exam. Again, through a web based interface you will write your assignment and submit it (your program will be automatically graded). However, in the lab exams, you cannot request any help/explanation from a person (i.e., TAs) or use a written/electronic document (including textbook, lecture notes, whatever), since this is an “exam”.

   The assignment you will be programming during the lab session will slightly differ from the one you will receive prior to the weekend. Though the difference will be minor, it will assure the uselessness of a blind memorization. The level of the assignment will carefully be tailored so that for a first comer to C it will not be possible to program it on the spot without having done a similar preliminary study/implementation before. Grading is based on automatic evaluation (blackbox testing by a software) with a similar yet different input than the one given during the lab; and in certain cases, TAs may check your code manually to see if it obeys all the requirements of the lab assignment.

REMARK: If a student misses two (or more) lab sessions (a practice or an exam) without legal excuses, s/he fails the course automatically.

REMARK: At the beginning of the semester, you have to fill your busy hours at COW. The schedule for lab sessions will be announced in the first week of the semester, so do it as soon as possible.

3) Take-Home Exams (THEs): There are 2 Take-Home Exams. All of the Take-Home Exams are C programming tasks and will be graded automatically (by means of a testing program). Though the input/output testing of a Take-Home Exams is a “blackbox test”; your source code will be investigated for neatness and plagiarism. Furthermore, for each THE, the TAs will invite a randomly-selected subset of students to discuss/explain their solutions; failing during these discussion sessions will reduce your grade for that THE.

   Usually you will have 2-3 weeks of time to turn your take-home exams in. This time shall be used properly. The level of the take-home exams are so that a “hard work on the last 2-3 days” will not suffice. You are strongly advised to start working on it right after you received it.

REMARK: For all Take Home Exam submissions, late submission is not allowed. The deadline is the last second where the day of submission changes to the day after.

REMARK: As the name THE implies, this work is considered as an examination and it should be your own work. Any plagiarism will be considered as cheating in an exam and will initiate a disciplinary action.

4) Midterm and final exams: The exams will include both test and classical style questions. You may miss the midterm exam only if you inform the instructors before the exam and you have a legal excuse (e.g., approved medical report). There will be a make-up exam right after the week following the end of the legal excuse.

5) Course COW page and news group: The announcements will be given on COW. You should periodically check the COW page (at least once daily) and follow the course news group. Note that news group is for discussing the issues related to course content, but not the administrative issues (e.g., changing your section, or objection for your grade, etc.); for the latter type of questions directly email to the TA(s) or instructor(s).