

ESC101: Introduction to Computing

Course Logistics

Instructor Details

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The Course

- The course teaches you how to solve problems using the computer.
- No prior exposure to programming is needed.

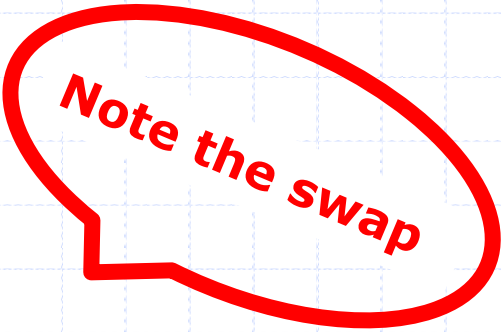
Lectures, Tutorials

- ◆ Class is divided into 12 sections.
 - A1, A2, ..., A12
- ◆ Lectures common for all
 - Mon, Tue, Wed, 12 noon – 1 pm, L-7
- ◆ Tutorials
 - Fri, 12 noon – 1pm, Tutorial Block.
 - A1 in T101, A2 in T102, ..., A12 in T112.

Tutorials

- ◆ You can ask questions and clarify doubts regarding lecture material.
- ◆ Examples illustrating lecture material will be covered.
- ◆ There can be announced or un-announced quizzes in the tutorials.
 - Lectures may also have surprise quizzes.

Labs



Note the swap

◆ Schedule: 2-5 pm

- A1, A2, A3 : Tuesday
- A4, A5, A6 : Monday
- A7, A8, A9 : Wednesday
- A10, A11, A12: Thursday
- Others: Meet me or Email me

◆ Location:

- Core Labs (across the street from and near to Academic Affairs Building)

◆ First lab starts on TBD

Labs

- ◆ Friday/Saturday/Sunday : Could be used to make up for lab days lost due to holidays.
- ◆ There will be Teaching Assistants to help in the labs.
- ◆ In each lab, you will be given a few problems to solve.
 - Students must work on their own.
 - Discussion is allowed, but **sharing of code in any form is NOT permitted.**

Lab Assignments

- ◆ Lab assignment will be posted on the day of the lab, at 2 PM.
 - It has to be submitted by 5 PM
 - First week lab assignment is to get used to the Lab Environment.
- ◆ In addition, there will be practice problems.
 - Can be done at your own pace.

Weightage (Written Exams)

◆ Quizzes: 15%

- Normal quizzes: total weight = 5%
 - ◆ Surprise quizzes!!
- 2 Major Quizzes: each 5%.

◆ Midterm: 15%

◆ Final exam : 30%

Weightage (Programming)

◆ Labs: 15%

- Weightages of later labs may be more. (First lab: 0 weight)
- Approx **80%** of the labs will count towards grade.
- **NO MAKEUP** lab for absentees.

◆ Lab exams: 25%

- Mid-term lab exam: 10%
- End-term lab exam: 15%



Copying

- ◆ Copy at your own risk
 - in any component (lab/quiz/exams/lab exams).
- ◆ If you are caught, you get **E** or **F**.
 - Case reported to DoAA/SSAC
 - **No warning or second chance**
 - **All parties involved** in copying will be held equally responsible. Copying from internet is penalized equally.



Copying

- ◆ Read-protect your directories so that others cannot copy from your directory.
- ◆ Do not share your CC password with friends.
- ◆ Do not leave printouts, notes etc. containing your code unattended

Guard your code as closely as you would guard this →



Copying Penalty: Last Sem

	# Without Penalty	# With Penalty
A*	8	8
A	57	43
B	157	88
C	87	96
D	79	71
E	0	82
F	5	5

Absentee Policy (Default)

When a student is absent from a quiz, lab or exam, and has approval for the leave from SUGC/Instructor

- ◆ Minor quizzes: **No makeup**. Best **n-1** quizzes to count.
- ◆ Major quizzes: **Prorated** (extrapolated) from the nearest future midterm or final exam.
- ◆ Labs: **No makeup**. **Best 80% (approx.)** labs will count.
- ◆ Mid sem: **Prorated** by final score.
- ◆ Mid term lab exam: **Prorated** by final lab exam.
- ◆ Final lab exam: **Makeup**, as per DOAA's schedule.
- ◆ End sem: **Makeup**, as per DOAA's schedule.
- ◆ **Policy may change on need basis.**

Course Websites

◆ Course web site

- <http://canvas.cse.iitk.ac.in/>
- Login instructions already sent by email

◆ Lab web site

- <http://sigpact.cse.iitk.ac.in>
- Login: your full iitk email address (xyz@iitk.ac.in)
- Password: Same as that for your iitk email

◆ Sites available only from within IITK

Course Materials

- ◆ All course materials, including lectures, exam solutions, quiz solutions etc., will be posted on course web sites.
- ◆ Use canvas for interaction
 - Allows instructor, tutors and your classmates to answer any issues

Textbooks

◆ There are many books on C.

- Schaum's Outline of Programming with C by Byron Gottfried, McGraw-Hill India.
- Programming in ANSI C by Balaguruswamy.
- The C Programming Language by Kernighan and Ritchie, Prentice-Hall India. (This is a standard reference to C. Slightly advanced though.)
- Any other standard book on C would also be good.

◆ It is recommended that you have a book and refer to it throughout the semester and beyond.

- You are encouraged to bring book to the lab.

Other Information

- ◆ My Job requires me to travel
 - Planned: Week of Feb 9th, 2015
 - Unplanned: Don't know when!!
- ◆ There will be **Extra Classes** to compensate for any classes missed
 - **Friday, Jan 2nd**: 12 – 1 PM (tutorial slot)
 - Saturday, Jan 10th: 12 – 1 PM
 - Saturday, Jan 31st: 12 – 1 PM (tentative)