

All students are advised to carefully note the following points.

- In the first five Lab classes, videos for first 30 minutes on each day will be shown. These videos will be related to Lathe m/c, Milling m/c, Drilling m/c, Metrology instruments, Advanced Machining Processes and CNC machine.

(Note: Question may be asked in each Mid Sem Exam and End Sem Exam regarding the machines and the measuring equipment).

Projects

- In the second Lab class itself, project groups should be formed. Name, Roll no. and Section of each member of the group written on a sheet of paper should be handed over to the concerned TA / Tutor in the Lab class.
- In the second Lab class, each group should come with a minimum of three projects ideas. They should be discussed with the guide assigned (a Lab staff) about their feasibility. The ideas should be drawn on papers to discuss with the guide. Note that the project should be finalized latest by 4th Lab class. In the 5th Lab class, each group is expected to submit their final drawings in the given template.
- Final production drawings (having dimensions, tolerances, bill of materials, no. of parts, sub-assembly and assembly drawings) will be submitted to the concerned Tutor/TA positively in the 5th Lab class. A template is uploaded on the course website. This exercise carries marks, and these drawings will be evaluated by the Tutors and Mr. Phoolchand Gond. The guides will approve the drawing initially. If the drawings are not submitted even in the beginning of the 6th Lab class by a group, then the TA / Lab Staff may not allow that group to enter in the TA202 Lab and ask them to first complete the drawings before starting fabrication of the project parts in the Lab. **Punishment will be given to those group-members who submit it late. The punishment will be given in the form of evaluating their work out of 75 % marks assigned for that activity.**
- In the 5th Lab class, each group will submit a **load sheet** which will clearly indicate who will make which parts. In this **load sheet** *the group members will first write the load distribution used to make the final production drawing. For subsequent lab classes (6th lab class onwards) this load distribution amongst the members of a group should be done in such a way that each member of the group is exposed to each type of machine (Lathe m/c, Drilling m/c, etc.). This should be checked by the project guide.* The assigned guide should help their groups in this distribution. This sheet will be very important because the questions asked during the project evaluation will be based on the work *self assigned* to each one of you.
- Each project group will have maximum seven students (except one or two groups) and maximum number of project groups per day is likely to be twelve.
- No student is supposed to do Lab report writing in the Lab hours in the Lab. Students are supposed to bring Lab reports in the subsequent Lab class complete in all respects (no late submission will be considered). Each student will submit individual hand written Lab report on **the Lab sheets** available in the shopping center / Hall of residence. All pages or sheets of the Lab Report before submitting to the TA / Tutor should be properly stapled. Loose sheets and report written on note-book papers/ A4 sheet

will not be accepted by the TAs and will get zero marks. First page of the report should contain full information about the candidate: name, roll no., group #, section and day of the Lab (a template will be shown in the class).

- Each student is expected to be in the Lab latest by 1.55 PM. If anybody comes after 2.05 PM, the Tutor/TA has the right to deny the entry in the TA202 Lab. Accordingly attendance for that day will not be considered. Since the lab attendance has a significant weightage, the students should come to the lab well in time as mentioned above and a zero tolerance policy will be followed.
- Final project report, to be submitted during the evaluation in November month, should be according to the template uploaded on the course website.

• **Grading Policy**

Theory: 40 % (40 marks)	Project: 60 % (60 marks)
Mid Sem Exam = 15 %	Lab quiz = 10 Project drawings = 5
End Sem Exam = 25	Lab reports = 2.5 Lab attendance = 2.5 Guide's overall evaluation + load sheet = 5 (2.5 each) with individual weightage. This Individual weightage will be multiplied in Final Project evaluation marks
	Project mid evaluation = 7.5 (in 5th project turn) Final project = 22.5 Project report = 5

• **To pass this course, one should score total marks $\geq 40\%$ (40/100). Additionally, the theory marks $\geq 25\%$ of the marks assigned for theory (10/40). Note that both should be fulfilled.**

- Students are advised to keep their mobiles in the switch off mode (they are not supposed to use their mobiles) in the Lecture Class as well as in the Lab class (especially when working on the machines).