

All students are advised to carefully note the following points.

- In the first five Lab. classes, videos for first 30 min. on each day will be shown. These videos will be related to Lathe m/c, Milling m/c, Drilling m/c, Metrology instruments, and CNC machines.
(Note: One full question will be asked in Mid Sem. Exam. regarding the machines and the measuring equipment.).
- In the first five / six Lab. classes, videos for first 30 min. 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 machines.
(Note: One full question will 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 (Lab. staff) about their feasibility. The ideas should be drawn on papers to discuss with the guide. The project should be finalized latest by 4th Lab. class. In the fifth Lab. class, each group is expected to submit their final drawings.
- 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. This exercise carries 2.5 % weightage, and these drawings will be evaluated by the Tutors and Mr. P. C. Gond. 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 6th Lab. class, each group will submit a **load sheet** which will clearly indicate who will make which parts. *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 Tutor / TA.* The assigned Lab. Staff 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.
(Note: One question will be asked in the End Sem. Exam. related to the procedure of making a particular part starting from the raw material given to you in the Lab. The parts will be only those ones which have been made by some group(s) in the TA202 Lab. This activity can be called as **“process planning”** for a given part.).
- Each project group will have maximum seven students (except one or two groups) and maximum no. of project groups 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 Lab. class complete in all respects. Each student will submit individual hand written Lab. report on **the Lab. sheets / papers** 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 papers will not be accepted by the TAs. First page of the report should contain full information about the candidate: name, roll no., group #, section and day of the Lab.
- 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.

Grading Policy

Theory: 55 %		Project: 45 %	
Mid Sem. Exam. = 17.5 %	Total= 55 %.	Project drawings = 2.5 %	= 45 %
End Sem. Exam. = 30 %		Exercises=2.5 %, Attendance=1.25%, Lab. reports = 1.25 %, Guide's evaluation=2.5 %,	
Three Quizzes=7.5 %		Final project = 35 % (includes prototype, Presentation, and answers to the questions asked by the committee (30 %). Project report and load sheet =5 %.)	
		(No separate Quiz in the Lab. Related questions will be asked in the MSE and ESE question papers.)	

- **For getting 'D' or better letter grade in this course, one should score total marks \geq 35 % and theory marks \geq 25 %. If you get theory marks $<$ 15 %, you are going to get 'F' grade irrespective of your total. If you get theory marks $>$ 15 % but $<$ 25 %, you are likely to get 'E' grade.**
- Students are advised to keep their mobiles in the switch off mode that is 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).
- **UNANNOUNCED FOUR Quizzes will be held in the whole semester.**