ME119: Course Contents and Policy

Course Instructor (P01, P03): Vivek Sangwan

Other Instructors: *Amitabh Bhattacharya (coordinator), Rakesh Mote, Shantanu Tripathi, Shivasubramanian Gopalakrishnan*

Department of Mechanical Engineering, I.I.T. Bombay

Schedule & Instructors

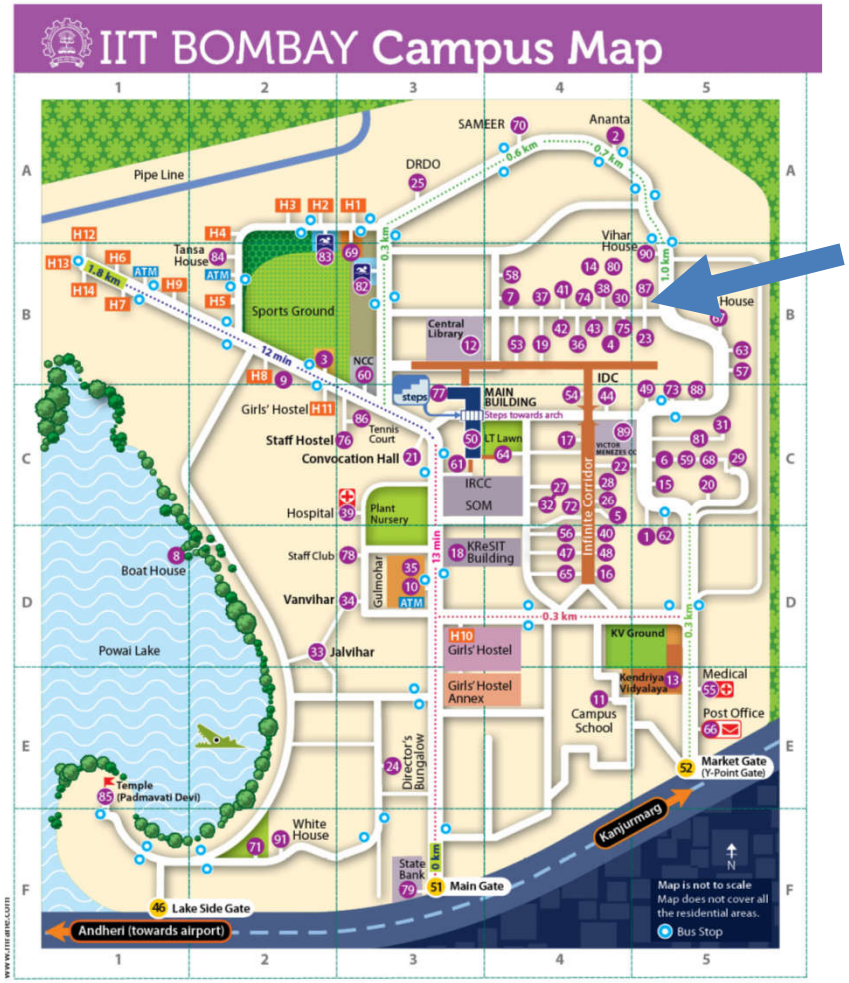
Divisions	Lecture			Drawing Lab Session	
	Schedule	Venue	Ins.	Schedule	Ins.
P01 & P03	Mon 3:30-4:30 pm (9A)	LA-302	VS	Tue 2:00-5:00 pm (L2)	VS
P02 & P04	Mon 3:30-4:30 pm (9A)	LA-301	AB	Fri 2:00-5:00 pm (L4)	SGK
P11 & P13	Wed 4:00-5:00 pm(X3)	LC-001	AB	Mon (9:30 am -12:30 pm) LM	AB
P12 & P14	Wed 4:00-5:00 pm (X3)	LC-002	RM+ ST	Thu (9:30 am-12:30 pm) LH	ST

- *Contact details of the instructors:*

AB - Amitabh Bhattacharya (7539; bhattach@iitb.ac.in)
VS - Vivek Sangwan (9357; vivek.sangwan@iitb.ac.in)
RM - Rakesh Mote (7529; rakesh.mote@iitb.ac.in)
ST - Shantanu Tripathi (9359; tripathi@iitb.ac.in)
SGK - Shivasubramnian Gopalakrishnan (7524; sgopalak@iitb.ac.in)

Practice sessions will be held in the drawing hall in the first floor of the Transit Building

Location of Drawing Hall



2nd Floor, Pre-Fab Building (same building as Physics and Chemistry labs)

Course Policies and Instructions

Attendance: No attendance will be taken during Lectures. Attendance will be taken during lab sessions.

Compensatory Lab: A compensatory lab session will be provided ONLY against a medical certificate (pink slip) from IIT-Bombay hospital or a letter from the Dean (SA). We will NOT give compensatory lab sessions for marriage ceremonies, family functions etc.

Evaluation Scheme: 70% for lab sessions, 15% Midsem, 15% Endsem. All sheets will carry equal weightage. Best 9 out of 10 will be counted for sheets.

Grades: Grades will be allotted independently across the four sessions. Equitable grade distribution across the sessions will be maintained.
Only the lectures will be delivered in the first week; there will be no lab sessions in the first week (More details will be put up on moodle)

Text Book: 1. Engineering Drawing by N. D. Bhatt, V. M. Panchal and P. R. Ingle
2. Dhananjay A. Jolhe, Engineering Drawing, Tata McGraw Hill, 2011
3. Thomas E. French and Charles J. Vierck, Engineering Drawing and Graphic Technology, 12th Ed., McGraw-Hill, 1978.

Course Contents

Sh. No.	*Title*	*Chapter in Ref. 1*	*Remarks*
1.	Basics of Drawing, Geometric Construction	3 - 5	• In Class Demo of AutoCAD
2.	Engineering Curves	6 & 7	• Performed on AutoCAD in Drawing Hall • pdf files have to be submitted at specified network location
3.	Projections of Points and Straight Lines	8 - 10	
4.	Projections on Auxiliary Planes	11	
5.	Projections of Planes	12	
6.	Projections of Solids	13	
7.	Sections of Solids	14	
8.	Development of Surfaces	15	
9.	Intersection of Surfaces	16	
10.	Pictorial Views: Isometric Projections	17	
11.	Part and Assembly Modeling Using SolidWorks	-	Performed using SolidWorks

Ref 1: Engineering Drawing by N. D. Bhatt, V. M. Panchal and P. R. Ingle

END