

PGD in Real Estate Construction and Management		Trimester I	
Material Testing Workshop –I		Code : RECM 05	
Periods per week		Lecture	--
		Practical	02
		Tutorial	--
Evaluation Scheme		Hours	Marks
	Term End Exam	-	-
	Internal Continuous Assessment	--	50 (Weightage 100%)
	Test	--	--
	Quiz/viva/ presentations/ group work based on assignments given by faculty	--	50
Objectives	<ul style="list-style-type: none">To know various tests and relevant equipments and machines.To understand importance of testing.		
Outcome	After successful completion of this course , students will be able to <ul style="list-style-type: none">Assess different components of testing proceduresPlan a typical accredited material testing laboratory and evolve testing processes.		
Detailed Syllabus			
Units	Topics		Duration (Hrs.)
1	Importance and relevance of material testing.		2
2	Various testing equipment and procedures. Interpretation of test reports.		4
3	Calibration of testing equipment and machines. IS codes.		4
4	Demonstration of testing of cement, fine aggregate, bricks, tiles etc.		5
5	Visit to testing laboratory at the project site.		5
	Total		20

Text Books: <ol style="list-style-type: none"> 1. Gambhir M. L. (2014) “Building and Construction Materials: Testing and Quality Control”, McGraw Hill Publications. 2. Michael S. Mamlouk and John P. Zaniewski(2010) “Materials for Civil and Construction Engineers”, 3rd Edition, Prentice Hall.
Reference Books: <ol style="list-style-type: none"> 1. Waterbury L (2008) “Laboratory Manual for the Use of Students in Testing Materials of Construction” HardPress. 2. Shan S. (2012) “Civil Engineering Materials” Pearson Publications

Internal Continuous Assessment

1. One class test based on the above syllabus.
2. Quiz, viva, presentation, Group work, based on assignments given by faculty.