

GUJARAT TECHNOLOGICAL UNIVERSITY

M.E. Civil (Construction Management) (Branch Code - 49)

Year – II (Semester – IV) (W.E.F. January 2014)

Subject Name: Construction Practice & Contract Management (744901)

Course Content:

Sr. No.	Content	Weeks
1	Introduction to Law Introduction to law, Laws governing structure & Working of Construction Firms.	1 Week
2	Contracts Outline Contracts, types of construction contracts, Evaluation of contract documents, need for documents, present stage of national and international contract documents, roles and functions of participants to the contract.	2 Weeks
3	Tendering Process Preparation of tender documents estimating, pre-qualification, bid evaluation, award of contract, project financing and contract payments, contracts close out and completion, E-tendering.	3 Weeks
4	Contract Circumstances Clarification by parties to contract, obligations and responsibilities of the parties, protection and indemnification, bonds and insurance, subsurface conditions, inspection of work, change of work, rejected work and deficiencies.	3 Weeks
5	Arbitration Causes and resolution of disputes, settlement for claims and extra items, arbitration. Comparison Laws-Agreements, Appointment of Arbitrators, Conditions of Arbitrations, Powers and duties of Arbitrator, Enforcement of Award-costs, Arbitration Act old & new.	3 Weeks
6	Specifications Definitions, relationship with drawings, necessity/purpose, advantages/benefits, organization of specification, drafting/writing the specifications, types of specifications.	1 Week
7	Administration Management Proper record keeping in contract administering, establishment of standard procedures, coordination between various agencies involved, providing data for interpretation of contract clauses, Special aspects of contract management	3 Weeks
	Internal Evaluation and Mid semester Exam	2 Weeks
	Total Weeks	18 Weeks

TUTORIALS ON:

- 1) Report-1 Various studies on contract clauses , typical building contract
- 2) Report- 2 Study on Book keeping and record management of construction projects to be fulfilled by preparing report by visiting construction project site office, consultancies and detail exploration of documents management during life cycle of
- 3) Report-3 Atleast two case studies on arbitration / dispute resolution technique and preparation of review report
- 4) Assignment works related to above course content.

REFERENCES:

- 1) Estimating and Costing in Civil Engineering Theory and Practice by B.N.Dutta, UBS publishers, distributors private limited.
- 2) Handbook of Contracts: Hudson.
- 3) Construction Contract Management, Prakash V.A., NICMAR, BOMBAY
- 4) Gajaria G.T., Laws Relating to Building and Engineering Contracts in India.
- 5) Jimmie Hinze, Construction Contracts, McGraw Hill, 2001.
- 6) Joseph T. Bockrath, Contracts and the Legal Environment for Engineers and Architects, McGraw Hill, 2000.