



Department of Architecture

Course: 10110606 Working Drawings-II	Class: IInd Yr B. Arch III Sem A.Y. 2016-17
Instructors: Dr. Ramesh s.; RNS Murthy; Anil Kumar Ch.; Parul Vyas; Atri Mishra	Internal Assessment: 50
	External Theory Exam: 50
Contact Periods/ week: 05 periods, 2(Theory), 3(Studio)	Total Marks: 100
Time Table:	Credits:
Attendance: Min 75%	Min. Passing Marks: 40% each in Internal & External Assessment, 50% in Aggregate

Objective: to train the students to prepare detailed Working drawings for effective execution at construction site, preparation of integrated services drawings, and detailing for various types of drawings and methods of transmittals and record keeping.

Out Line of the Course: An overview of “all service systems integrated drawings” and the effectiveness of “Building Information modelling – BIM ” to achieve the same.
 “Working drawing titles”, drawing documentation/record keeping, drawing transmittals, revision updation / superceeded drawings, and “as built drawings”.

LECTURE PLAN

S. No.	Week	TOPIC OF CLASS LECTURE & DISCUSSION	CLASS ACTIVITIES & ASSIGNMENTS
1	Week 1	Introduction to working drawings - 2	Finalizing the designs for working drawings.
2	Week 2	Introduction to Bye-laws, calculating FAR, FSI etc.	lecture on Muncipal Drawings
3	Week 3		Corrections Muncipal Drawings
4	Week 4	an overview of site marking procedure, “techniques/thumb rules” to ensure effective translation from “working drawings” to actual site execution, and developing	Site Plan , Site Marking Plan , Site Grading / Levelling Plan
5	Week 5	finishing materials, method of dimensioning, appropriate section line markings.	finalizing plan complete in all respect.
6	Week 6	integration with schedule of joinery, schedule of hardware,	door and window details
			ASSESSMENT-I (30%)

7	Week 7		· Submission of Final municipal drawing
8	Week 8	developing elevations integrated with finishing materials, etc.	elevations,
9	Week 9	Work Shop on services	
10	Week 10	sections, part sections, wall sections integrated with finishing materials, etc. ,	sections, part sections, wall sections
11	Week 11		ASSESSMENT-II (30%) · Submission of final plan sections and elevation drawings.
12	Week 12	Construction details for lifts, dumb waiters, escalators, travelators.	correcting the plan sections and elevations as per the added services
14	Week 13	Site Visit	
13	Week 14	External Plumbing Layout and details. Details of Septic tank.	correcting the plan sections and elevations as per the added services
15	Week 15	“Working drawing titles”, drawing documentation/record keeping, drawing transmittals, revision updation / superceeded drawings, and “as built drawings”	
16	Week 16		ASSESSMENT-III (40%) · Submission of Final working drawing portfolio · Site-visit Assignment of brief report with sketches & photographs

S.No.	Category of Evaluation	Marks	Note
1	Assessment – I:	15	<i>The Marks allotted at each stage is tentative. Categories of evaluation may be increased or decreased (merged) on need-basis</i>
2	Assessment – II:	15	
3	Assessment – III:	20	

Portfolio: Revisions and Compilation of Drawings submitted and evaluated from time to time.

References:

1. Building and Construction Authority. (2005). CONQUAS-21. Singapore : The BCA Construction Quality Assessment System.
2. Jefferis, A. and Madsen, D.A. (2005). Architectural Drafting and Design. 5th Ed. New York : Thomson Delmar Learning.
3. BIS and relevant IS codes.
4. Jeong, K-Y. (2010) Architecture Annual. Seoul : Archiworld Co.
5. Joe, B. (Ed). (2002). Details in Architecture: Vol. I-V. Victoria : The Images Publishing group.
6. Osamu, A. W., Linde, R. M. and Bakhoum, N. R. (2011). The professional practice of architectural working drawings. 4th Ed.

7. Weston, R. (2004). Plans Sections Elevations – Key buildings of the twentieth century. London : Laurence King Publishing.

Signatures of the Instructors:

Head of the Department: