

Lesson Plan

Subject: Surveying and Levelling

Academic Year: 2018-2019

Semester: 3rd Semester

Class: 2nd Year

Branch: Architecture and Interior Design

Paper Code: 6649

Faculty Name: Mr. Shailesh Kanungo

Faculty Code:

Week	Topic to be covered	Remark
1st Week	<ul style="list-style-type: none"> * Definition of Surveying and Levelling * Principle of surveying * Clasification of Surveying * Advantages and Limitations 	
2nd Week	<ul style="list-style-type: none"> * Ranging - Direct and Indirect ranging * Offsets and Obstructions in ranging 	
3rd Week	<ul style="list-style-type: none"> * Instruments used in chain surveying * Basic terms related with chain surveying * Base line * Tie line * Check line station 	
4th Week	<ul style="list-style-type: none"> * Error in chain numerical based at chaining 	
5th Week	<ul style="list-style-type: none"> * Definition of principle of compass survey related definition system of measuring angles conversion of W.C.B. To R.B. And R.B. To W.C.B. 	
6th Week	<ul style="list-style-type: none"> * Prismatic Compass * Types of compass * Surveyor compass * Difference between them * Fore bearing back bearing, local attraction 	
7th Week	<ul style="list-style-type: none"> * Elimination of local attraction * Numerical based on local attraction Plotting & Adjustment of closing error 	
8th Week	<ul style="list-style-type: none"> * Basic concept of Plane table surveying Instruments used in plane table surveying, various methods of plane table surveying 	
9th Week	<ul style="list-style-type: none"> * Methods of Plane table Radiation, intersection, Traversing 	
10th Week	<ul style="list-style-type: none"> * Resection methods two point problem advantage & disadvantages of plane table surveying 	
11th Week	<ul style="list-style-type: none"> * Basic terms & defination of levelling Dumpy level Levelling staff 	
12th Week	<ul style="list-style-type: none"> * Methods of working out Reduced level HI& Rise & Fall numerical exceries 	
13th Week	<ul style="list-style-type: none"> * Basic Terms of Contouring, definitions, characteristics of contouring 	
14th Week	<ul style="list-style-type: none"> * Methods of plotting contours * Contour map, i.e. Pond, hill, feild, valleyand plains * Uses of contouring 	
15th Week	<ul style="list-style-type: none"> * Advance digital instruments * Survey of small areas * Techniques of finding areas 	

Lesson Plan

Subject: COMPUTER Aided Drawing

Academic Year: 2018-2019

Semester: 3rd Semester

Class: 2nd Year

Branch: Architecture and Interior Design

Paper code: 6648

Faculty Name: Arpit Tiwari

Faculty Code:

Week	Topic to be covered	Remark
1st Week	* Introduction to CAD Systems	
	*Introduction of 50'x30' residential project to be designed on cad .	
	* Introduction to AUTOCAD Systems	
	* User interface of AUTOCAD	
2nd Week	* Starting and saving of drawings	
	*using shortcuts commands (line, trim, extrude,copy,scale, options, scale, etc)	
3rd Week	* Organizing drawings and layouts	
	* introduction of layers layers	
	*single line plan of 50'x30'residence	
	* Opening and saving a drawing	
4th Week	*Defining and referencing blocks	
	* drawing residence on grids using layers	
	*submission of single line plan	
5th Week	*working on double line plan	
	*working on double line plan(interior)	
	*working on double line plan(electrical)	
6th Week	*Annotation of drawing	
	*working on double line plan(plumbing)	
	*working on elevation	
7th Week	*Sharing data between files	
	*Creating and modifying objects	
	*working on elevation	
8th Week	*working on elevation	
	*introduction of line weight for section	
	* doubt soving session related the topic	
9th Week	*section	
	details for line weight	
	*Rendering drawing	
10th Week	*Plotting and publishing drawings	
	*introduction for 3d commands	
11th Week	*introduction for 3d commands	
	* 3d commands sweep, loop, revolve etc.	
12th Week	* 3d commands	
	*practice for 3d commands	
13th Week	*practice for 3d commands	
	*materials in autocad	
14th Week	*lighting	
	*walk through	
15th Week	*Rendering	

Lesson Plan

Subject: Building Materials II

Academic Year: 2018-2019

Semester: 3rd sem

Class: 2nd Year

Branch: Architecture and Interior Design

Paper Code: 6647

Faculty Name: Mr. Shailesh Kanungo

Faculty Code:

Week	Topic to be covered	Remark
1 Week	Tiles (types of ceramics ,PVC, stone tiles,)	
2 Week	Tiles (concrete blocks their utilities,durability,application)	
3 Week	Paints (basic ingredients of paints, characteristic of ideal paint, process of painting ,new and old work.	
4 Week	Varnishes (characteristics, varnishing,ingredients, types of varnishes process of varnishing	
	Distemper (characteristics, distempering, ingredients,properties, process	
5 Week	Wood products and processed material (plywood, MDF bords, Blocks boards, veneer and laminates)	
6 Week	Furnishing and finishing materials (window coverings,curtains, venetian blinds, floor coverings)	
7 Week	Furnishing and finishing materials (rugs,carpets, linoleum,vinyl flooring, upholstery materials)	
8 Week	Miscellaneous materials properties, application and advatanges ,disadvantages of materials like WATER PROOFING MATERIALS : Asphalt, Rubber	
9 Week	Miscellaneous materials FALSE CEILING MATERIALS: gypsum, pop, pvc ROOFING MATERIALS: galvanised iron sheet, fibre glass, acrylic ,clay tile , corrugated aluminium sheet.	
10 Week	Trends in building materials use , utility, durability ,application/installation, maintenance of vernacular advantage ,disadvantage	
11 Week	Trends in building materials latest exterior and interior of building , finishing materials.	
12 Week	Revision of tiles,paints, varnishes and Distemper	
13 Week	Revision of wood products and processed material	
14 Week	Revision of furnishing materials and finishing material, miscellanous materials	
15 Week	session	

NOTE ALL TOPICS INCLUDE CASE STUDY ,PRESENTATION, DOUBT SOVING AND EXCHANGE OF NOTES.