Integral University, Lucknow

Effective from Session: 2017-2018							
Course Code	**DAR – 601**	**Title of the Course**	**ESTIMATION AND COSTING – II**	**L**	**T**	**P**	**C**
Year	III	**Semester**	VI	**3**	**1**	**0**	**-**
Pre-Requisite	DAR – 501	**Co-requisite**	NA				
Course Objectives	1. To initiate the students into theory and practice of estimating and quantity surveying. 2. To inculcate awareness regarding factors affecting the cost of buildings.						

Course Outcomes	
CO1	To initiate the students into theory and practice of estimating and quantity surveying.
CO2	To inculcate awareness regarding factors affecting cost of buildings.
CO3	Preparing Detail estimate with calculation, including P.H.E. items and R.C.C. works
CO4	A brief introduction to Valuation.
CO5	To learn about the estimate.

UnitNo.	**Title of the Unit**		**Contact Hrs.**	**Mapped CO**
1.	**Detailed estimate**	Preparation of a detailed estimate, together with practice in taking of detailed quantities for simple items of work in respect of simple single storied building not more than two bedrooms. All the quantities from excavation to parapet including finishes should be taken out from the drawings prepared by the students or suggested by the teacher concerned.	7	CO-1
2.	**Calculation**	Calculate the details of measurement and abstract of cost with the help of current SOR of UPPWD. Preparation of summary of cost and form & 'J' This task must be dealt as a small project.	10	CO-2
3.	**Preparation of estimate of P. H. E. Items**	Preparation of estimate of P. H. E. items (a)Preparation of detailed estimate for laying a water supply line (C. I. pipe). (b)Preparation of detailed estimate for sanitary and water supply fittings in a domestic building containing one set of toilets and kitchen septic tank.	9	CO-3
4.	**Preparation of detailed estimates**	Preparation of detailed estimates for the following R.C.C. framed structure. (a) R.C.C. column with foundation R.C.C. Beam. (b) R.C.C. T–Beam with slab.	8	CO-4
5.	**Valuation**	Purpose of valuation, Principles of valuation, Definitions of terms such as depreciation, sinking fund, salvage and scrap value. Valuation of a building property by replacement cost method and rental return methods. Method of calculation of standard rent.	6	CO-5

References Books:

1. Estimating and costing in Civil Engg. by B.N. Dutta
2. Estimating, costing, specification and valuation by M. Chakraborti.

e-Learning Source:

1. https://www.youtube.com/live/A5d3D-GB5UI?si=KpfRix5kYi2saIUj
2. https://www.youtube.com/live/2zDeXvX_5VY?si=RGG4bu_ZiujZOFNm

PO-PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PO13	PSO1	PSO2	PSO3
CO1	-	-	-	-	-	-	-	1	-	-	-	3	-	3	-	1
CO2	-	-	-	2	2	-	-	2	-	-	-	3	-	2	-	-
CO3	3	-	-	-	-	-	-	-	-	2	-	3	-	-	1	-
CO4	-	-	-	-	1	-	-	2	-	-	-	3	-	-	2	-
CO5	-	-	2	-	-	-	-	-	-	3	-	3	-	1	-	-

1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Name & Sign of Program Coordinator	**Sign & Seal of HoD**

Integral University, Lucknow

Effective from Session: - 2017-2018							
Course Code	**DAR-602**	**Title of the Course**	**Modern trends in Architecture**	**L**	**T**	**P**	**C**
Year	III	**Semester**	VI	01	00	03	-
Pre-Requisite	NONE	**Co-requisite**	NONE				
Course Objectives	• Understanding of period in terms of contexts of location, climate and other parameters. • To understand the development in Western Architecture from Renaissance to Contemporary with emphasis on the underlying parameters, philosophy, intentions and expressions of associated periods/ movements as a response to the context of time, location and aspirations.						

Course Outcomes	
CO1	The Subject Aims At Understanding The development in Western Architecture
CO2	They will learn from the Renaissance Contemporary with emphasis on the underlying parameters, philosophy, and intentions.
CO3	And, about expressions of associated periods/movements in response to the context of time, location and aspirations
CO4	Explore Deconstruction and Its Impact on Contemporary Architecture
CO5	Study Post-Independence Indian Architecture

Unit No.	Title of the Unit		Contact Hrs.	Mapped CO
1.	**MODERN ARCHITECTURE**	Evolution of Modern Architecture, various building materials used in modern Architecture, New construction techniques of modern architecture.	06	1
2.	**THE INTERNATION AL STYLE**	The International Style: Simplification of the Modern architecture into steel and glass cubes - an overview of the works of Philip Johnson.	04	2
3.	**POSTMODERNISM**	Postmodernism of Reaction: Architecture entrenched in place and history; sarcastic approval of expression, ornament, symbolism and context - an overview of the works of James Stirling, Michael Graves, Charles Moore. Postmodernism of Resistance: Disregard for historical imagery; revival of the ideals of the Modern Architecture of the 20's; exaggerated and sophisticated revival of the grid and Corbusier's geometry - an overview of the works of Richard Rogers, Norman Foster, Richard Meier.	08	3
4.	**MODERN ARCHITECTS**	Hi-Tech and Historicism: Synthesis of Hi-Tech and Historicism - an overview of the works of Cesar Pelli, Aldo Rossi Deconstruction: Deconstruction as a reaction to the Post Modern; non-perfection as important as perfection, narrative and representational; traditional purity of form, geometry and structure in question - an overview of the works of Frank O. Gehry, Peter Eisenman, Bernard Tschumi, Rem Koolhas, Zaha Hadid.	12	4
5.	**INDIAN ARCHITECTS**	Post-independence architectural developments in India, works of eminent Indian Architects like Uttam Chand Jain, Charl's Coriea, B. V. Doshi, A. P. Kanvinde,etc.	10	5

References Books:

1. A History of Architecture by Sir Banister Fletcher,
2. Modern Architecture since 1900 by Curtis, W. J. R.,
3. Modern Architecture - A Critical History by Frampton, K.,
4. Architecture in the Twentieth Century by Gossel, P. & Leuthauser, G.,

e-Learning Source:

Modern Architecture VS. Postmodern [University Lecture] [https://youtu.be/ygl-AkwumKg?si=MUA8KAr3SrfS6sMj]

PO-PSO / CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PO 13	PSO1	PSO2	PSO3
CO1	1	-	-	-	1	-	-	-	-	2		-	3	2	-	-
CO2	-	2	-	-	2	-	2	-	1	3	1	-	2	2	-	-
CO3	-	-	-	2	-	-	-	3	2	2	2	-	1	2	-	-
CO4	-	-	-	-	-	-	-		1	2	1	-	1	2	-	-
CO5	-	-	-	-	1	-	-	1	1	2		-	1	2	-	-

1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Name & Sign of Program Coordinator	**Sign & Seal of HoD**

Integral University, Lucknow

Effective from Session: 2017-2018							
Course Code	**DAR 603**	**Title of the Course**	**LANDSCAPE DESIGN**	**L**	**T**	**P**	**C**
Year	3RD YEAR	**Semester**	6TH SEM	**1**	**0**	**3**	**-**
Pre-Requisite	-	**Co-requisite**	-				
Course Objectives	Understanding of period in terms of contexts of location, climate and other parameters.						

Course Outcomes	
CO1	The subject focuses on reorganization of landforms, plantation water bodies and structures as major landscape elements.
CO2	They will learn about the various principles and elements of landscape design.
CO3	And helps in understanding the various landscape styles and techniques.
CO4	They will learn about different trees, shrubs and grasses.
CO5	To understand the various landscape styles and techniques.

Unit No.	Title of the Unit		Contact Hrs.	Mapped CO
1.	**Introduction and History**	Introduction and History: Meaning, definitions, scope, objective and its relevance to Architecture and Site Planning. Landscape style: formal and informal.	06	CO1
2.	**Types of Gardens**	Types of Gardens: Egyptian, Roman, Chinese, Hindu-Buddhist, Mughal, Japanese, etc	10	CO2
3.	**Plant Identification and Suitability**	Plant identification and Suitability: Botanical and common names, form, texture, salient properties and their appropriate use. Effects of trees and plants on microclimate.	06	CO3
4.	**Landscape Graphics**	Landscape Graphics: Conventional symbols in presentation drawings, e.g.: trees, shrubs, ground cover, hedges, edges etc. Conceptual drawings, preliminary landscape plans, planting plans and drawings.	08	CO4
5.	**Valuation**	Landscape of a road junction (Round about). Landscaping of a proposed children's park. Seminar on any one of the above landscape problems.	10	CO5

References Books:

1. Landscape Architecture by Simonds, J.O.,
2. Tropical Garden Plants by Bose, T.K., & Chowdhary, B.S.,
3. Flowering Trees by Randhawa, M.S.,
4. Landscape Detailing (Surfaces) By Little Wood, Michael,
5. Common Trees by Santapan, H.,

e-Learning Source:

https://youtube.com/playlist?list=PLUy5L0dBMceZMDMfiGXT91PgqNJyI2_B4&si=a-eWvI7Tvk-5yS1k

https://youtu.be/tEd-MpwOBc4?si=mSpB138Oin9oQ6C2

PO-PSO	PO													PSO			
CO	**POI**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PO13**	**PSO1**	**PSO2**	**PSO3**	**PSO4**
CO1	-	-	3	-	1	-	-	-	-	-	-	3	-	3	-	-	
CO2	-	-	3	-	2	-	-	-	-	-	-	-	-	1	2	-	
CO3	-	-	2	-	3	-	1	-	-	-	-	2	-	-	3	-	
CO4	-	-	-	-	1	-	-	-	-	-	-	-	-	2	-	-	
CO5	-	-	3	-	2	1	-	-	2	-	-	-	-	1	-	3	

1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Name & Sign of Program Coordinator	**Sign & Seal of HoD**

Integral University, Lucknow

Effective from Session: 2017-2018							
Course Code	**DAR – 604**	**Title of the Course**	**ARCHITECTURE PROJECT**	**L**	**T**	**P/ST**	**C**
Year	**3rd YEAR**	**Semester**	**6th SEM**	**6**	**0**	**15**	**-**
Pre-Requisite		**Co-requisite**					
Course Objectives	• Making students learn the art of collecting data and to carry out analysis for the process of evolving design and individuality of approach. • Understanding site planning: organization, scale, hierarchy, orientation and climate.						

Course Outcomes	
CO1	The subjects aim at preparing a student to independently handle and present all aspects of an architectural design from its evolution to final solution in totality.
CO2	Students will be able to understand the importance of the evolutionary stages of a design process
CO3	They will learn about Various techniques required for a successful presentation of an architectural design.
CO4	Students will demonstrate proficiency in identifying construction materials and structural systems and assessing their role in design creation.
CO5	Students will be able to present and communicate their ideas effectively through visual, verbal, and written formats.

Unit No.	Title of the Unit		Contact Hrs.	Mapped CO
1.	**STAGE I – Topic Selection**	Preparing a synopsis for at least two projects of student's choice out of which teacher shall allot a topic on which the complete project has to be worked out.	21	CO1
2.	**STAGE I – Site Analysis**	Location of the area of the site, topographical features, vegetation, Infrastructure of the site and its constraints. A report is to be submitted comprising all the information with the photographs.	42	CO2
3.	**STAGE I – Case Study and Concept Design**	At least two case study of similar projects in terms of scale & magnitude, literature studies, comparison of spaces, inferences, Single line sketch of the plan, elevation and section.	63	CO3
4.	**STAGE I – Pre-Final Submission**	Complete drawing of the plans of all the levels, two elevations, two sections, a site plan, concept for specialized services and design elements.	63	CO4
5.	**STAGE I – Final Submission**	Final submission of all the rendered drawings, working drawings, Detailed perspective and model.	21	CO5

References Books:

A Visual Dictonary : Frantis & D K Singh

Time Saver standards for interior design and space planning by Joseph Dochiara

e-Learning Source:

PO-PSO	PO													PSO			
CO	**POI**	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PO13**	**PSO1**	**PSO2**	**PSO3**	**PSO4**
CO1	1	2	3	3	3	2	3	2	3	2	3	1	3	-	3	-	
CO2	1	-	1	2	1	-	3	2	1	3	1	1	3	2	-	-	
CO3	-	3	-	1	-	3	-	-	-	2	-	-	-	-	2	-	
CO4	-	-	3	2	-	-	2	-	-	3	-	-	-	3	-	1	
CO5	2	3	3	3	-	-	2	-	-	2	-	-	3	-	-	3	

1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Name & Sign of Program Coordinator	**Sign & Seal of HoD**