



**DEPARTMENT OF ARCHITECTURE
UNIVERSITY OF THE PUNJAB, LAHORE.**

**BACHELORS OF ARCHITECTURE (B. ARCH)
5 YEARS PROGRAM**

COURSE OUTLINE

Course Title	Building Economics
Course Code	ARCH-483
Credit Hours	2
Semester	7th Semester / Fall
Prerequisites	NA
Tutor	As per Timetable
Student Advising	As per Timetable
Contact	-

Teacher Signature

Chairman Signature

Course introduction

The course is a basic introduction to the concept of the time value of money using simple rates of return, interest rates and types, and decision criteria. Pricing techniques and methodology are introduced as part of the estimating process and bid preparation. Various forms of budget pricing are introduced which lead to a more detailed study of elemental analysis.

Learning Objective:

The relations between architecture and social environment are explained from a viewpoint of economy. The relations between architecture and social environment are explained from a viewpoint of economy. To understand the economic activities characterizing the relations between architecture and social environment.

Outcome

The course examines the links between design and the costs of building as well as more general economic issues and their significance for designers and builders. It introduces the student to the practical imperatives of the building design economics. The student is provided with basic skills of estimating the construction costs, preparation of bills of quantities and other related services handled by a quantity surveyor.

Learning Methodology:

- Lectures as provided in the schedule of the semester activities
- Study of Archival Material and recommended books
- Guest Lectures as per requirement
- Presentation on allocated topics

Grade Evaluation Criteria

Following, is the criteria for the distribution of marks to evaluate final grade in a semester.

Marks Evaluation	Marks in percentage
Sessional (Assignments, Quizzes, Presentations)	30
Mid Term	30
Final examination	40
Total	100

Content	
Unit 1	Introduction to the Course
Unit 2	The Initial Cost of Building Projects
Unit 3	Initial Building (Construction) Cost
Unit 4	Financing Construction Projects
Unit 5	Guest Lecture
Unit 6	Cost Implication of Design Variables and Quality Insurance
Unit 7	Value Engineering
Unit 8	Student Presentation
Unit 9	Mid Term Exam
Unit 10	The Future Performance of Building (Cost in use)
Unit 11	The Future Performance of Building (life cycle cost)
Unit 12	Cost Modeling
Unit 13	Benefits and Value of Buildings
Unit 14	Technique of Economic Performance analysis for Building Projects
Unit 15	Economics of Building Developments
Unit 16	Financial feasibility analysis for building Projects
Unit 17	
Unit 18	Final Exam
Recommended Books/References	Gruneberg, Stephen L. 1997. <i>Construction Economics: An Introduction</i> . Macmillan International Higher Education.

	<p>Jaggar, D., and R. R. Morton. 2003. <i>Design and the Economics of Building</i>. Taylor & Francis.</p> <p>Mann, Thorbjoern. 2008. <i>Building Economics of Architects</i>. New York.</p> <p>Ruegg, Rosalie, and Harold Marshall. 2013. <i>Building Economics: Theory and Practice</i>. Springer Science & Business Media.</p> <p>Seeley, Ivor H. 1981. <i>Building Economics</i>. Macmillan International Higher Education.</p> <p>———. 1996. <i>Building Economics: Appraisal and Control of Building Design Cost and Efficiency</i>. Macmillan International Higher Education.</p> <p>———. 2016. <i>Building Economics</i>. Macmillan International Higher Education.</p>
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