



CTESCOA

CHEMBUR TROMBAY EDUCATION SOCIETY'S

C T E S

COLLEGE OF ARCHITECTURE

ESTD : 2014

MH - 77

UNAIDED

APPROVED BY COUNCIL OF ARCHITECTURE

AFFILIATED TO UNIVERSITY OF MUMBAI

N.G. Acharya Marg
Chembur, Mumbai 400071
Maharashtra
India



+91 7700024676



admin@ctescoa.ac.in



www.ctescoa.ac.in

NAME : _____



UNIVERSITY OF MUMBAI

**Syllabus for the Bachelor of Architecture
Program: B.Arch.**

**Fifth Year
Bachelor of Architecture
(Semester-IX)**

**(As per Credit Based Semester and
Grading System with
effect from the academic year 2016–2017)**

Scheme of Teaching and Examinations Bachelor of Architecture (B. Arch.)

Semester X

	Semester X Exam conducted by University of Mumbai	Teaching Scheme		Credits		
COURSE CODE.	COURSES	Lecture	Studio	Theory	Studio	Total
BARC 1006	Environmental studies 5 (Building sciences and sustainability)	2	8 classes of technology studio	2	1	3
BARC 1007	Architectural representation & detailing 9				6	6
BARC 1012	Advanced Building Construction and structures	2		2	1	3
BARC 1009	Advanced Theories 4			2		2
BARC 1010	Professional Practice 3	2		2		2
BARD 1011	Design Dissertation 2		16		16	16
BARE 1021	Elective 10		4		4	4
	Total	2	34	2	34	36

	Semester X Exam conducted by University of Mumbai	Examination Scheme			
COURSE CODE	COURSES	Theory (paper)	Internal	External viva	Total
BARC 1006	Environmental studies 5 (Building sciences and sustainability)		100		100
BARC 1007	Architectural representation & detailing 9		100	100	200
BARC 1012	Advanced Building Construction and structures		100		100
BARC 1009	Architectural Theories 4		50		50
BARC 1010	Professional Practice 3		50		50
BARD 1011	Design Dissertation 2		200	200	400
BARE 1021	Elective 9		100		100
	Total		700	300	1000

Syllabus (Course Content) for final year B. Arch. programme Semester X

1006Environmental Studies 5

Credits-3

Lectures-36 periods of 50 minutes duration- 30 hours

Studio- 18 periods of 50 minutes duration- 15 hours

(to be conducted as a part of technology studio of 144 periods of 50 minutes duration – 120 hours)

Scheme of examination

Theory: -----

Sessional marks-

Internal- 100 marks

External ----

Objective: To evaluate and apply sustainable building strategies over design.

- 1. Post occupancy evaluation of case studies of student's thesis work.**
- 2. Urban sustainability**
- 3. Impacts of built environment on its surroundings.**

1007Architectural Representation and detailing 8

Credits 6

Teaching Hours

Studio-108 periods of 50 minutes- 90 hours.

(to be conducted as a part of technology studio of 144 periods of 50 minutes duration – 120 hours)

Scheme of examination

Theory: -----

Sessional marks-

Internal- 100

External ---100

External viva will be conducted simultaneously for Design dissertation and design detailing

Students are required to submit a report to describe :

Structural system

Method of construction and materials

Active and passive Systems related to building sciences and environment protection

Required Drawings :

Detailed sections showing structural system

Schematic plan of design with services

Students are encouraged to detail out any significant part of their design under supervision of guides.

1012 Advanced Building construction and structures

Credits-3

Lectures-36 periods of 50 minutes duration- 30 hours

Studio- 18 periods of 50 minutes duration- 15 hours

(to be conducted as a part of technology studio of 144 periods of 50 minutes duration – 120 hours)

Scheme of examination

Theory: -----

Sessional marks-

Internal- 100 marks

External ----

1. Study of various Structural systems and methods of construction
2. selection criteria of structural system and method of construction for building types
3. Intelligent structures and control of structural response

Sessional work – Case studies, reports

Applications- structural and construction details for design Dissertation projects

1009 Architectural Theories 4

Credits-2

Lectures-36 periods of 50 minutes duration- 30 hours
Studio -----

Scheme of examination

Theory: -----

Sessional marks- 50

Advanced Theories

Theory is an integral aspect of cultural analysis of which architecture is central. Significant inputs to current architectural theory have been from disciplines outside architecture that have made thinking richer and more relevant. Architectural Theory today is multi-disciplinary in nature, and this has significant bearing on architectural design.

The objective of learning in this semester is to make students aware of the current discourses in architecture through a direct interaction with architectural thinking and ideas. It is to make comprehensible the evolution of ideas in architecture, especially after the modernist era. Students should be provided readings, and discussions on both the ideas and the language of theory are encouraged, using actual examples of architecture. Sessional work should include writing about architecture, becoming conversant with the current language of theory and gaining an insight and sensitivity to architectural thinking that influences architectural practice today.

1.0 What are the current discourses in architecture today?

Understanding the effects of contemporary thought in society and culture today, and its impact on architectural design. Understanding theory as an academic discipline.

2.0 Tracing the rise of theory in architecture and culture after modernism. The significance of post-modern and post millennial discourses in architecture. Developing a post-modern world view.

3.0 The multi disciplinary approach: Understanding ideas from outside architecture that have informed current architectural discourse- from philosophy, sociology, linguistics, psychology, feminism, post-colonial studies, information technology, art, cultural and critical theory, etc. (Teachers may choose significant disciplines from which writings can be discussed)

4.0 Describing through theoretical discourse the post-millennial world we live in and the impact of architecture in our world today.

1010 Professional Practice

Credits-3

Lectures-36 periods of 50 minutes duration- 30 hours

Studio-

Scheme of examination

Theory: -----

Sessional marks-

Internal- 50 marks

External ----

Professional and legal responsibilities of Architects

Arbitration clause.

Arbitration, Conciliation and Mediation.

Arbitration proceedings and Awards.

Duties and liabilities in profession.

Legal responsibility of architect to Employer.

Government bodies and local bodies.

Express and implied authority of the Architect.

Architect's relationship with the Client and the Contractor.

Duration of liability.

Consumer Protection Act 1986.

All Acts related to non agricultural lands in relation to Building activities related to regions such as M.R.T.P, M.H.A.D.A and M.M.R.D.A. acts

Environmental policy and laws related to protection of environment.

1011 Design Dissertation

Credits-16

Lectures-----

Studio- 288periods of 50 minutes duration -240 hours

Scheme of examination

Theory: -----

Sessional marks-

Internal- 200marks

External -200

External viva will be conducted simultaneously for Design dissertation and design detailing

Students are required to develop the design as per the design objectives and design brief submitted in the report.

Drawings should include location plan, site plan, detailed floor plans, elevations, views and large scale sections.

1022 Elective 10

Credits- 3

Teaching Hours

Studio- 54 periods of 50 minutes duration – 45 hours

Sessional marks-

Internal- 100

External -----

The elective can be chosen by individual students under the guidance of internal teacher

DETAILS OF SCHEME OF EXAMINATION SEMESTER X

BACHELOR OF ARCHITECTURE: SEMESTER X EXAMINATION TO BE CONDUCTED BY UNIVERSITY OF MUMBAI										
	Semester X Exam conducted by University of Mumbai	THEORY				SESSIONAL MARKS				
						INTERNAL		EXTERNAL		
COURSE CODE	COURSES	No of Papers	Duration	Max Marks	Min Marks for Passing	Max Marks	Min Marks for Passing	Max Marks	Min Marks for Passing	Max Marks for the Course
BARC 1006	Environmental studies 5	---	----	---	---	100	50	----	----	100
BARC 1007	Architectural Representation & Detailing 8	----	---	---	---	100	50	100	50	200
BARC 1009	Architectural Theories 4					50				50
BARC 1010	Professional Practice 3					50				50
BARC 1012	Advanced Building Construction and structures	----	---	---	---	100	50	---	---	100
BARD 1011	Design Dissertation 2	----	---	---	---	200	100	200	100	400
BARE 1021	Elective 10	---	---	---	---	100	50	---	---	100
	Total marks for the examination									1000

Notes: Theory, Internal sessional work, and External viva are considered as separate heads of passing

Total marks for the examination = 1000

Minimum marks for passing the examination= 500