



CTESCON

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

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NAME : _____



UNIVERSITY OF MUMBAI

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

**Course : Bachelor of Architecture
(Semester-II)**

(As per Credit Based Semester and
Grading System with
effect from the academic year 2012–2013)

Scheme of Teaching and Examinations

Bachelor of Architecture (B. Arch.) Semester II

	Semester II Exam conducted by individual colleges	Teaching Scheme		Credits		
Sub No.	COURSES	Lecture	Studio	Theory	Studio	Total
201	Architectural Design		4		4	4
202	Allied Design Studio		4		4	4
203	Architectural Building Construction & Materials	2	3	2	3	5
204	Theory & Design of Structures	3		3		3
205	Humanities	3		3		3
206	Environmental Studies	2		2		2
207	Architectural Representation & Detailing		3 +3		6	6
220	College projects		6		6	6
221	Elective		3		3	3
	Total	10	26	10	26	36

	Semester II Exam Exam conducted by individual colleges	Examination Scheme			
Sub. No.	SUBJECTS	Theory (paper)	Sessional Work	External viva	Total
201	Architectural Design Studio		150		150
202	Allied Design Studio		150		150
203	Architectural Building Construction	70	80		150
204	Theory & Design of Structures	50	50		100
205	Humanities	50	50		100
206	Environmental Studies		50		50
207	Architectural Representation & Detailing		100+50		150
220	College projects		100		100
221	Elective		50		50
	Total				1000

Notes: Each period shall be of 50 minutes duration and each semester shall consist of 90 days of teaching programme.

The colleges are required to arrange the time table per semester as per the teaching scheme prescribed.

Syllabus (Course Content) for First Year B. Arch. course Semester II

201 Architectural Design Studio 2

Credits-4

Teaching Hours

Lectures- -----

Studio- 72 periods of 50 minutes duration -60 hours

Sessional marks-

Internal- 150

External -----

Object & context

Architecture as environment

Architecture in context

Architectural insertions, Documentation, site visits, documentation through text, photography, drawings, computers

Design exercises – Designing of space for small groups and minor activities with reference to climate, site conditions, and user requirements.

202 Allied Design Studio 2

Credits-3

Teaching Hours

Lectures

Studio- 72 periods of 50 minutes duration - 60hours

Sessional marks-

Internal- 150 marks

External -----

The course content will be developed by the individual colleges as per their choice of Allied Design scheme.

The schemes may include Visual Studies, Basic Design, Graphic Design, Product Design, Furniture Design, Design of Outdoor Spaces

Visual Field & Practices *(given as an example)*

Aesthetics as a product of context/ media

Mixing media/ hybridity

Visual culture icon, index, symbol

Installations exercises

203 Architectural Building Construction & Materials 2

Credits- 5

Teaching Hours-

Lectures-36 periods of 50 minutes duration- 30 hours

Studio- 54 periods of 50 minutes duration- 45 hours

Scheme of examination

Theory one paper of three hours duration Max. marks- 70 Min marks for passing- 28

Sessional marks-

Internal- 80 marks

External ----

Building Construction

walling systems ,external envelopes, internal partitions in various materials, cavity walls

openings/fenestrations

structural considerations; structural spans; lintel, beam, arch

fenestrations: opaque, translucent, transparent

Building Materials

Material Syntax

synchronic and paradigmatic choices

Understanding Specifications & Quantities

The outcome of this course is the ability to SPECIFY building materials as per the demands of Design Program.

204 Theory & Design of structures 2

Credits- 3

Teaching Hours

Lectures- 54 periods of 50 minutes duration- 45 hours

Studio- -----

Scheme of examination

Theory -one paper of two hours duration Max. marks- 50 Min marks for passing- 20

Sessional marks-

Internal- 50

External ----

Understanding various concepts about structures as tall, long, thin, wide etc.

Understanding Articulation of structural systems from foundation to roof

Understanding the following:

- 1) Properties of section
- 2) Stress and strain:
- 3) Shear force and bending moment
- 4) Theory of simple Bending

205 Humanities 2

Credits- 3

Teaching Hours

Lectures- 54 periods of 50 minutes duration – 45 hours

Studio- -----

Scheme of examination

Theory -one paper of two hours duration Max. marks- 50 Min marks for passing- 20

Sessional marks-

Internal- 50

External ----

History of art culture & aesthetics

Society, Context, Aesthetics, Architecture

Prehistory, Paleolithic and Neolithic Cultures,

River Valley Civilizations

Classical Greece and Rome

Vedic Culture, Kingship in India, Hellenistic influences

Buddhism and Jainism

206 Environmental Studies 2

Credits- 2

Teaching Hours

Lectures- 36 periods of 50 minutes duration – 30 hours

Studio- -----

Sessional marks-

Internal- 50 marks

External ---

OBJECTIVE

Study the effect of architectural development on natural resources

Effects of architectural development on natural resources

Concepts of sustainable development

Renewable resources

Water cycle and its management

Conservation and generation of energy

207 Architectural Representation & Detailing 2

Credits- 6

Teaching Hours

Lectures-----

Studio- 108 periods of 50 minutes duration – 90 hours

Sessional marks-

Internal- 150

External ----

Graphics

Views isometric, axonometric

Perspective & sciography exercises (may be done on sketch

Freehand

Landscape outdoor sketching

Anatomy

Workshop

Visual practices exercises

Architectural design exercises- making models

Theory of structures and construction – making of models

220 College Projects 2

Credits- 6

Teaching Hours-

108 periods of 50 minutes duration - 90hours

Sessional marks-

Internal- 150

External -----

(to be developed by individual colleges)

The following is a representative list of what may constitute college projects

Seminars, Tutorials/ additional classes for any course, Guest Lectures, putting up Exhibitions, Workshops, participating in Architectural Competitions or conducting Site Visits or Study Tours.

221 Elective 2

Credits- 3

Teaching Hours

Lectures

Studio- 54 periods of 50 minutes duration -45 hours

Sessional marks-

Internal- 50

External -----

(to be developed by individual colleges)

DETAILS OF SCHEME OF EXAMINATION SEMESTER II
TO BE CONDUCTED BY COLLEGES.

BACHELOR OF ARCHITECTURE			SEMESTER II				DETAILS OF SCHEME OF EXAMINATION			
SR NO	Semester II EXAMINATION Exam conducted by individual colleges	THEORY				SESSIONAL MARKS				Max. marks for the course
		No of papers	duration	Max. marks	Min. Marks for passing	Max. marks	Min. Marks for passing	Max Marks	Min. Marks For passing	
201	Architectural Design Studio 2	---	----	---	---	150	75	---	----	150
202	Allied Design studio 2					150	75	---	----	150
203	Architectural Building Construction 2	1	3HOURS	70	28	80	40	---	---	150
204	Theory & Design of Structures 2	1	2HOURS	50	20	50	25	---	---	100
205	Humanities 2	1	2HOURS	50	20	50	25	---	---	100
206	Environmental Studies 1	---	---	---	---	50	25	---	---	50
207	Architectural Representation & Detailing 2	---	---	---	---	100+50	75	---	---	150
220	College projects 2	---	---	---	---	100	50	---	---	100
221	Elective 2	---	---	---	---	50	25	---	---	50
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= 50