SAVITRIBAI PHULE PUNE UNIVERSITY
(Formerly the University of Pune)

CURRICULUM
FIVE YEAR DEGREE COURSE IN ARCHITECTURE
(B.ARCH.)
2025 PATTERN

(TO BE IMPLEMENTED FROM 2025-26)

BOARD OF STUDIES IN ARCHITECTURE
FACULTY OF SCIENCE AND TECHNOLOGY

BACHELOR OF ARCHITECTURE (B.ARCH)
COURSE STRUCTURE

PREAMBLE:

The new syllabus of the B.Arch. course henceforth to be referred as the 2025 Pattern to be implemented from the year 2025-26 is based on the Council of Architecture (Minimum Standards of Architectural Education) Regulations, 2020. The interdisciplinary nature of the field of architecture demands integration of knowledge domains from various disciplines such as humanities, art, technology and so on. However, what distinguishes an Architect is the design knowledge and ability to employ the knowledge from the various disciplines for arriving at a solution to a problem.

COURSES:

The syllabus comprises of courses under four streams mentioned as under:

1. Design stream
2. Technology stream
3. Knowledge stream
4. Skill stream

Design Stream:

Architectural Design is the core subject of the five year course in Architecture. The student is expected to understand the process of design, analyse various aspects governing architectural design, make design decisions based on the analyses, develop alternative design solutions through an iterative process, take a comprehensive design decision based on it to propose a final design solution and ultimately communicate the design through various kinds of drawings and models. The aspects governing design and its analyses increase in complexity in successive semesters. There are multiple typologies of buildings that the Architect may be expected to design in his/her career. The idea of the curriculum is not to teach all the typologies of buildings but rather the design decision making and synthesising process that is common to designing any building typology. Thus the emphasis of the subject is not on the product but the process of design.

While Architectural Design Studio is primarily an output based subject, the input for this subject is provided by other subjects in the Design stream as well as those from other streams. Landscape design is incorporated as a separate studio while one Design Studio is offered as an Elective where colleges can offer its students various specialised types of design studios like Climate/Energy Studio, Technology Studio, Contextual Studio, Interior Design Studio, Parametric Design Studio, etc. A subject for appraisal of built design projects is introduced. Also, an Elective subject exploring various tools of creative

thinking is offered at an advanced level. Both these subjects are expected to serve as a fresh input before the Final Year Architectural Design Project and at a point where students may be able to reflect on the design approaches, tools, and processes learn and used in the previous semesters. The Architectural Design Project is the culmination of the nine semesters of learning Architecture where students are expected to work on a project of their choice and demonstrate comprehensively through the process and final design proposal all the learnings that they have absorbed in the earlier semesters.

Technology Stream

Building Construction and Materials as the main subject under this stream also forms the core of the five year course in Architecture. While design and construction are not really separable, the subjects are taught separately for pedagogical simplicity. However, it is expected that teaching of building construction should not be divorced from design considerations. The course contents proposed in this syllabus deal with systems of construction from simple to complex through successive semesters. Complete systems with all elements from foundation to roofs are dealt with in a single semester so as to facilitate the interface of this subject with the Architectural Design Studio. A subject titled Architectural Detailing in the advanced year of study is expected to combine the knowledge of design and construction gained by the student through earlier semesters.

Building Services also form an important subject in this stream. Basic building services are dealt with in four successive semesters while an Elective subject offers advanced building services as per the choice of the individual colleges and their students.

Knowledge Stream

This stream has subjects that serve as content and theoretical inputs for the core subjects. While History of Architecture, Urban Studies, Research in Architecture form the bulk of this stream, some new subjects are introduced. A subject dealing with studies of rural and peri-urban settlements is introduced separately and recommended to include a field study. An Elective offering readings of important texts in architecture as well as various other aspects that are a part of the Indian Knowledge Systems is introduced. An introduction to perceiving architecture through various lenses and through actual experience is introduced in the first year. The Knowledge stream subjects are expected to involve students through readings, discussions, debates, seminars, writing, etc. so as to develop their capacity of independent and critical thinking and its articulation.

Environmental Science and Climatology are included in the Knowledge stream of subjects. Knowledge subjects also include content based subjects like professional practice and conduct, building codes and bylaws etc. that are necessary for the practice of an Architect.

Skill Stream

This is an important stream in the course that develops psycho-motor skills required by every Architect as well as some professional skills needed for practice in the field. Drawing is a primary skill for an Architect. Traditionally, drawings which capture the 3D static geometry of buildings and their components were represented accurately through manual drawings using orthographic projections with a tee square, set squares, and paper and pencil/ink. With the advent of Computer Aided Drafting (CAD) and Building Information Modelling (BIM), the drafting and drawing output has become more accurate and easier. The CAD and similar vector-based software and applications are the future of architectural drawing and graphics. This should be kept in mind, and importance needs to be shifted from manual skills to a generic understanding of the language. The students should be able to comprehend space and form, sketch it well, and be able to draft various geometrical shapes and forms leading to buildings and building components using manual drafting and computer-aided software. Four drawing skill based courses are therefore introduced in this curriculum. Viz. Architectural Drawing and Graphics, Computer Aided Drafting, Sketching, Diagramming and Visualisation, and Working Drawing. The first course focuses on developing hand-skills while the second is aimed at developing skills for digital drawings. The third course is aimed at developing freehand sketching skills.

Drawing skills are complemented by model making skills- both in physical and digital medium. The Workshop courses cover these needed skills.

Surveying has also developed into a vast field and the Architect is required to use various kinds of surveys for various aspects of a project. A subject that introduces various types of surveys to the students along with their purpose, nature of data, kind of tools, and ways of interpreting and using the information from each type of survey is introduced.

Professional skills include the skills of estimating sizes of structural elements, calculating quantities, writing specifications, and miscellaneous entrepreneurial skills. An elective course in professional skills offers various options of advanced skills like tendering, valuation, etc.

Skill stream subjects are concentrated in earlier semesters of the course.

The courses offered are of four separate types:

1. **Professional Courses (PC) Course:** Courses which should compulsorily be studied by a candidate as a core requirement.
2. **Building Sciences and Applied Engineering (BS and AE) Courses:** Courses which inform the Professional core courses and should compulsorily be studied.
3. **Elective Courses:** Courses which may be chosen from a pool of courses. These are of two types:

    a. Professional Electives (PE) which may be very specific or specialized or advanced or supportive to the discipline or subject of study or which provides an extended scope
    b. Open Elective (OE) which enables an exposure to some other discipline or subject or domain or nurtures the candidate's proficiency or skill.
4. **Employability Enhancement Courses (EEC):** which may be of two kinds: Employability Enhancement Compulsory Courses (EECC) and Skill Enhancement Courses (SEC)

The syllabus is structured as an outcome-based education program. For each course the broad Course Outcomes in terms of abilities that the students are expected to develop are listed. The detailed course outcomes as per Units of study in the Course Contents may be defined by individual colleges.

The five-year Bachelor of Architecture program is of 260 credits in total (26 credits per semester). The syllabus offers flexibility to add mandatory courses as may be declared by SPPU from time to time. As per the University guidelines, the program is structured upon the Credit System Based Assessment.

Salient features of this syllabus are:

1. The program outcomes are mapped across 10 semesters. Earlier years i.e. 1st and 2nd years emphasise on enhancing the skills required for the profession. The successive years introduce knowledge subjects and emphasise more and more on the subjects in the Design stream.
2. Subjects like Architectural Design and Building Construction cut across all semesters, increasing in complexity and scale of projects in higher years. A supplementary/ additional design subject has been introduced to complement the major design studio by way of theoretical or content based inputs.
3. The syllabus offers flexibility for students to explore subjects of their choice through the introduction of electives across years. This also helps to build their expertise in a subject area of their interest.
4. Each subject content has been written keeping in mind various levels of learning reflected in the broad Course Outcomes. Individual colleges will have the freedom to define detailed Course Outcomes in this larger framework, based on Units of study given in the Course Contents.
5. Minimum required sessional work is mentioned in the details of each course. Individual colleges are expected to design additional assignments as per their requirements in the given framework.
6. Practical training is a mandatory requirement to complete the course and is taken up in the 9th semester.

PROGRAM EDUCATIONAL OBJECTIVES:

The Graduates attributes are described through the Program Educational Objectives (PEO's) and Program Outcomes (PO's) that inform the syllabus as given below.

Graduates of Architecture program, five years after graduation, will:

PEO1 – Design Competency - Act as competent designers with the skills for Design Thinking, Design Research, Design Communication and Design Supervision.

PEO2 – Environmental Stewardship - Be aware of the impact of their work on environment, embrace these responsibilities and act ethically to accomplish them. Be able to understand user needs and the impact of buildings on environment.

PEO3 – Technological Competency – Select and employ construction systems and materials that are appropriate to the given context.

PEO4 - Diversity, Inclusivity and Equity - Acknowledge diversity and practice inclusion and equity in their role as professionals of the built environment.

PEO5 – Cultural Sensitivity - Have a disposition to learn from cultural practices and traditions and use them critically in the design decisions

PEO6 – Livability and Beauty - Design for livability and beauty in the buildings and environments that they design.

PEO7 – Collaborative Working and Community Outreach- Work effectively as individuals and team members in projects that involve multiple professionals and users. Understand their duties and responsibilities towards the clients, users, co-professionals and society at large.

PEO8 – Life-long Learning - Engage in life-long learning and adapt to changing professional and societal needs

PROGRAM OUTCOMES:

Graduates of Architecture program will have the ability to demonstrate:

PO1:

Design Skills: Effectively use basic formal, organizational and environmental principles and the capacity of each to inform two- and three-dimensional design and use this knowledge to prepare complex design proposals. Respond to site characteristics, including urban context and developmental patterning, historical fabric, soil, topography, ecology, climate, and building orientation, in the development of a project design.

PO2:

Construction Technology and Services: Understand the basic principles used in the appropriate selection of interior and exterior construction materials, finishes, products, components, and assemblies based on their inherent performance, including environmental impact and reuse.

Demonstrate knowledge of the basic principles of structural systems, selection and application of the appropriate structural system.

Understand the basic principles and appropriate application and performance of building service systems, including lighting, mechanical, plumbing, electrical, communication, vertical transportation, security, and fire protection systems.

PO3:

Environmental Responsibility: Demonstrate the principles of environmental systems' design, climate responsive design principles and the tools used for performance assessment. This demonstration must include active and passive heating and cooling, solar geometry, day-lighting, natural ventilation, indoor air quality, solar systems, lighting systems, and acoustics. Understand their responsibility to create ecologically and environmentally sustainable designs to address issues of climate change mitigation through adaptation and resilience.

PO4:

History, Theory and Culture: Understand the parallel and divergent histories of architecture and the cultural norms of a variety of indigenous, vernacular, local, and regional settings in terms of their political, economic, social, ecological, and technological factors. Understand the diverse needs, values, behavioural norms, physical abilities, and social and spatial patterns that characterize different cultures and individuals and the responsibility of the architect to ensure equity of access to sites, buildings, and structures.

PO5:

Research and Innovation: Understand the theoretical and applied research methodologies and practices used during the design process. Understand role of research in furthering knowledge of architecture through critical thinking and logically written original works.

PO6:

Professional Practice: Understand the ethical issues involved in the exercise of professional judgment in architectural design and practice. Have knowledge about all statutory requirements of the profession including legal, financial, procedural and management responsibilities. Understand the role of the COA Rules of professional practice in defining professional conduct. Ensure adherence to relevant codes and regulations, and include the principles of life-safety and accessibility standards in design.

PO7:

Communication Skills - Write and speak effectively and use representational media appropriate to analyse and communicate their design within the profession, building users and with the general public.

Make technically clear drawings, prepare outline specifications, and construct models illustrating and identifying the assembly of materials, systems, and components appropriate for a building design.

PO8:

Health and wellbeing- understand impact of building environments on human health and well-being of users and have adequate knowledge to address safety and comfort of people at all scales.

PO9:

Community and society- Understand that design decisions impacts society and thus meets and addresses the needs of the community.

Mapping of Program Educational Objectives and Program Outcomes									
B. Arch Syllabus 2025									
Program Educational Objectives	Program Outcomes								
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
PEO1- Design Competency									
PEO2 - Environmental Stewardship									
PEO3 - Technological Competency									
PEO4 - Diversity, Inclusivity and Equity									
PEO5 - Cultural Sensitivity									
PEO6 - Liveability and Beauty									
PEO7 - Collaborative Working and Community Outreach									
PEO8 - Life-long Learning									

BACHELOR OF ARCHITECTURE (B.ARCH)
RULES AND REGULATIONS

Rule no.1: ELIGIBILITY FOR ADMISSION

Eligibility Criteria: Students seeking admission to First year of Bachelor's degree course in Architecture must fulfil the eligibility criteria laid down by Savitribai Phule Pune University / Govt. of Maharashtra / Council of Architecture as applicable from time to time.

Rule no.2: SCHEME OF ASSESSMENT

A candidate to be eligible for the degree of Bachelor of Architecture will be required to appear for and pass examinations as under:

	Semester Numbers	**Credits**
1	Semester 1	26
2	Semester 2	26
	Total credits for First Year B.Arch.	**52**
3	Semester 3	26
4	Semester 4	26
	Total credits for Second Year B.Arch.	**52**
5	Semester 5	26
6	Semester 6	26
	Total credits for Third Year B.Arch.	**52**
7	Semester 7	26
8	Semester 8	26
	Total credits for Fourth Year B.Arch.	**52**
9	Semester 9	26
10	Semester 10	26
	Total credits for Fifth Year B.Arch.	**52**
	Total credits	**260**

Total Credits of the Course = 260

The syllabus structure consists of 26 hours per week. Colleges may utilize remaining four hours to offer value added courses of their choice. These courses will not be credit courses and not appear in the marksheet of the students.

Rule no. 3: GRANTING OF TERM

Academic year shall consist of two semesters of minimum 90 teaching days each. The candidate will be permitted to appear for examination **only if** he/she produces testimonials from the Principal of the College for:

1. 75% attendance for each course during the semester for appearing for its Sessional /Sessional Viva Voce exam as prescribed by the University.
2. Satisfactory completion of the sessional work prescribed for each subject and securing minimum required marks in the continuous internal assessment for the same.
3. Good Conduct.

Rule no. 4: RULES OF PASSING

1. To pass sessional (SS) / sessional viva (SV), the student has to earn minimum 45% marks.
2. To earn credits of a course (SS/SV) student must pass the course with 45%minimum passing marks / grade.
3. To earn credits of a course, the student must pass the course with minimum passing marks/ grade.
4. A student shall be promoted to a higher class only if s/he scores 45 % marks in the aggregate of the total marks of the year and 50% of the total credits of the year. This rule should be read in conjunction with Rule no. 5: Rules of A.T.K.T given below.

Rule no. 5: RULES OF A.T.K.T.

1. A student can be admitted for the third semester if he/she earns minimum 50% credits of the total of first and second semester.
2. A student can be admitted for the fifth semester if he/she earns minimum 50% credits of the total of third and fourth semester and all the credits (100%) of the first and second semester and passing grade of aggregate for first year.
3. A student can be admitted for the seventh semester if he/she earns minimum 50% credits of the total of the fifth and sixth semesters and all the credits (100%) of the third and fourth semesters and passing grade of aggregate for second year.
4. A student can be admitted for the ninth semester if he/she earns minimum 50% credits of the total of the seventh and eighth semesters and all the credits (100%) of the fifth and sixth semesters and passing grade of aggregate for third year.
5. A student would be awarded B.Arch. only if he/she earns 260 (100%) credits and gets passing grade in all the courses specified in the syllabus and gets passing grade of aggregate within the time permissible by the University.

Rule No. 6: PREREQUISITES FOR ENROLLING FOR THE SUBJECT OF ARCHITECTURAL DESIGN and ARCHITECTURAL DESIGN PROJECT

1. A candidate shall not be permitted to register for the Architectural Design course/ Exam in a semester unless he/ she has completed attended the course, submitted the work and appeared for exam) the Architectural Design course of the previous semester.

2. A candidate shall not be permitted to register for the tenth semester Architectural Design Project course/ Exam unless s/he has completed Practical Training of Semester IX.

The rules of Passing, ATKT and Prerequisites have to be read in conjunction with each other and not in isolation.

Rule no. 7: ASSESMENT AND GRADE POINT AVERAGE

1. A grade assigned to each head based upon marks obtained by the student in examination of the course.

GRADING SYSTEM FOR (SESSIONAL/ SESSIONAL VIVA)

Grade	Grade Points	% of Marks Obtained	Remarks
O	10	90-100	Outstanding
A+	9	85-89	Excellent
A	8	75-84	Very good
B+	7	65-74	Good
B	6	55-64	Fair
C	5	45-54	Average
F	0	Below 45	Fail

2. Passing grades for various heads: The grades O, A+, A, B+, B & C are passing grades for sessional and/or sessional viva voce heads. A candidate acquiring any one of these grades shall be declared as pass only in that particular head.
3. F grade for various heads: The grade F is a failure grade. The student with F grade will have to pass the concerned course by reappearing for the examination.

Rule no. 8: EXAMINATIONS.

The types of examination / assessments are as follows:

1. **Sessional Exams (SS):** Continuous Internal Assessment (CIA) for sessional work should be recorded and maintained by the subject faculty. The progressive work done by a student throughout the semester should be maintained for external assessment. The weightage of the Continuous Internal Assessment (CIA) shall be 50% of the total marks allocated for the course. The remaining 50% marks should be given by the external examiner and is referred as External assessment (EA). The marks of CIA and EA will be recorded as aggregate marks at the time of external examination and will also appear on the marksheets as aggregate marks. Refer the detailed course syllabi for exact distribution of marks for each course.

2. **Sessional Viva (SV):** Continuous Internal Assessment (CIA) for sessional work should be recorded and maintained by the subject faculty. The progressive work done by a student throughout the semester should be maintained for external assessment at the time of the viva. The weightage of the Continuous Internal Assessment (CIA) shall be 50% of the total marks allocated for the course. The remaining 50% marks should be given by the external examiner and is referred as External assessment (EA). For Viva subjects, the internal and external examiner will allot a certain component of the total marks from the above 50% allotted to each of them towards the student's performance in the viva. The marks of CIA and EA will be recorded as aggregate marks at the time of external examination and will also appear on the marksheets as aggregate marks. Refer the detailed course syllabi for exact distribution of marks for each course.
3. For subjects having both sessional assessment and viva voce the marks should be entered as an aggregate of the sessional and viva voce.

Rule no. 9: CONDUCT AND ASSESSMENT OF EXAMINATIONS.

1. The sessional/ sessional viva examination is to be conducted and assessed together by external and internal examiners approved by the University.
2. Sessional work for all semesters shall be continuously assessed by the teacher during the semester and will be recorded as Continuous Internal Assessment (CIA). The progressive work done by a student throughout the semester should be maintained for external assessment (Sessional/ Sessional Viva).
3. Performance in Sessional / Sessional Viva-voce Examination shall be assessed based on understanding of the concepts and principles mentioned in the content and not on the basis of mere completeness of work nor ornamental or attractive presentation.
4. Use of computers for sessional work is allowed wherever it is explicitly stated in the detail course syllabus. Standard drawings and reports / notes shall be manually prepared. Students may use computers for sessional work under the guidance of the teachers where nature of work is individual. The work done by the students has to be authenticated for its originality by the concerned teachers.
5. At all the examinations except for the tenth Semester Architectural Design Project, external assessment shall be carried out by teachers from other colleges in the University not teaching that subject in the institute where the examination is being conducted.
6. For tenth semester Architectural Design Project an external examiner means a professional Architect or an academician registered with the Council of Architecture and not teaching in any of the colleges under the University in full-time/ part-time/ visiting capacity.
7. The internal examiner is one who is teaching in the same/ any other college under the University.
8. Any examiner shall have a minimum of three years of teaching/ professional experience. However, an examiner for tenth Semester Architectural Design Project shall have minimum of 10 years of teaching/professional experience.

Rule no.10: PERFORMANCE INDICES

1. The semester end grade sheet will contain grades, grade points, credits, and credit points along with course titles for that semester and the Semester Grade Point Average (SGPA). Final grade sheet and transcript shall contain the Cumulative Grade Point Average (CGPA).
2. **SGPA:** The performance of a student in a semester is indicated by a number called the Semester Grade Point Average (SGPA). The SGPA is the weighted average of grade points obtained in all the courses registered by the student during the semester.

$$\text{Semester Grade Point Average (SGPA)} = \frac{\sum_{i=1}^{p} CiGi}{\sum_{i=1}^{p} Ci}$$

$$= \frac{\sum \ Grade\ Points\ earned\ X\ Credits\ for\ each\ course}{\text{Total Credits}}$$

For example : Suppose in a given semester a student has registered for five courses having credits C1, C2, C3, C4, C5 and his / her grade points in those courses are G1, G2, G3, G4, G5 respectively, then the SGPA would be:

$$\text{SGPA} = \frac{C1G1 + C2G2 + C3G3 + C4G4 + C5G5}{C1 + C2 + C3 + C4 + C5}$$

SGPA is calculated up to two decimal places by rounding off.

3. **CGPA:** The CGPA is the weighted average of the grade points obtained in all the courses of all the ten semesters. It is calculated in the same manner as the SGPA. It is calculated based upon the SGPA of the concerned semesters.

Rule no. 11: RESULT

Based on the performance of the student in the semester examinations, the Savitribai Phule Pune University will declare the results and issue the Semester grade sheets. The class shall be awarded to a student on the CGPA calculated as per rule no. 10.3 The award of the class shall be as per the table below.

Sr.No.	CGPA	Class of the degree awarded

1	7.75 or more than 7.75	First class with distinction
2	6.75 or more but less than 7.75	First class
3	6.25 or more but less than 6.75	Higher second class
4	5.5 or more but less than 6.25	Second class

Rule no. 12: EXEMPTIONS AND CLASS IMPROVEMENT

In case a candidate fails in an examination but desires to appear again,

a) Examinations will be held in Oct./Nov/ Dec.& Apr/May.
b) S/he may be exempted from appearing in the head/s of passing in which hs/he has already passed.
c) The above a and b are subject to the provisions in the rules for passing, ATKT and pre-requisites mentioned in these rules and regulations.

A candidate who wishes to improve his/her performance can do so by appearing for any four heads of the concerned year provided s/he has obtained a passing grade in all courses.

Rule no. 13: INTRODUCTION OF THIS CURRICULUM.

The new curriculum for the Degree course in Architecture B.Arch. will be introduced gradually as under:

a) First Yr. B. Arch. Course from June 2025
b) Second Yr. B. Arch. Course from June 2026
c) Third Yr. B. Arch. Course from June 2027
d) Fourth Yr. B. Arch. Course from June 2028
e) Final Yr. B. Arch. Course from June 2029

Rule no. 14: OTHER RULES.

University may frame additional rules and regulations or modify these regulations if needed and once approved by the University they would be binding on the students.

BACHELOR OF ARCHITECTURE (B.ARCH.)
DETAIL COURSE STRUCTURE

FIRST YEAR B.ARCH.
SEMESTER I

Subject Code	Course Title	No of Credits	Lecture hours	Studio hours	Total hours	SS marks	SV marks	Total marks
1202501	Basic Design	6	2	4	6		200	200
1202502	Building Construction and Materials I	4	1	3	4		150	150
1202503	Structures I	3	2	1	3		100	100
1202504	Fundamentals of Architecture	3	2	1	3	100		100
1202505	Architectural Drawing and Graphics I	3	1	2	3	100		100
1202506	Computer Aided Drawing I	3	1	2	3	100		100
1202507	Workshop I	4	1	3	4	150		150
		26	**10**	**16**	**26**	**450**	**450**	**900**

FIRST YEAR B.ARCH.
SEMESTER II

Subject Code	Course Title	No of Credits	Lecture hours	Studio hours	Total hours	SS marks	SV marks	Total marks
1202508	Architectural Design I	7	2	5	7		250	250
1202509	Building Construction and Materials II	4	1	3	4		150	150
1202510	Structures II	3	2	1	3		100	100
1202511	Architectural Diagramming, Sketching, Visualisation	2	1	1	2	50		50
1202512	Architectural Drawing and Graphics II	3	1	2	3	100		100
1202513	Computer Aided Drawing II	3	1	2	3	100		100
1202514	Workshop II	4	1	3	4	150		150
		26	**9**	**17**	**26**	**400**	**500**	**900**

SECOND YEAR B.ARCH.
SEMESTER III

Subject Code	Course Title	No of Credits	Lecture hours	Studio hours	Total hours	SS marks	SV marks	Total marks
2202515	Architectural Design II	8	2	6	8		300	300
2202516	Building Construction and Materials III	4	1	3	4		150	150
2202517	Structures III	3	1	2	3	100		100
2202518	Building Services I	3	1	2	3		100	100
2202519	History of Architecture I	3	1	2	3	100		100
2202520	Climatology	2	1	1	2	50		50
2202521	Site Survey Systems	3	1	2	3	100		100
		26	**8**	**18**	**26**	**350**	**550**	**900**

SECOND YEAR B.ARCH.
SEMESTER IV

Subject Code	Course Title	No of Credits	Lecture hours	Studio hours	Total hours	SS marks	SV marks	Total marks
2202522	Architectural Design III	8	2	6	8		300	300
2202523	Building Construction and Materials IV	4	1	3	4		150	150
2202524	Structures IV	3	1	2	3	100		100
2202525	Building Services II	3	1	2	3		100	100
2202526	History of Architecture II	3	1	2	3	100		100
2202527	Environmental Science	3	1	2	3	100		100
2202528	Indian Knowledge Systems Elective	2	1	1	2	50		50
		26	**8**	**18**	**26**	**350**	**550**	**900**

THIRD YEAR B.ARCH.
SEMESTER V

Subject Code	Course Title	No of Credits	Lecture hours	Studio hours	Total hours	SS marks	SV marks	Total marks
3202529	Architectural Design IV	5	1	4	5		200	200
3202530	Landscape Design	3	1	2	3	100		100
3202531	Building Construction and Materials V	4	1	3	4		150	150
3202532	Building Services III	3	1	2	3		100	100
3202533	History of Architecture III	3	2	1	3	100		100
3202534	Building Codes and Bylaws	2	1	1	2	50		50
3202535	Working Drawing I	3	1	2	3	100		100
3202536	Quantity Surveying and Specification Writing	3	1	2	3	100		100
		26	**9**	**17**	**26**	**450**	**450**	**900**

THIRD YEAR B.ARCH.
SEMESTER VI

Subject Code	Course Title	No of Credits	Lecture hours	Studio hours	Total hours	SS marks	SV marks	Total marks
3202537	Architectural Design V	6	1	5	6		200	200
3202538	Architectural Appraisal	4	2	2	4	150		150
3202539	Building Construction and Materials VI	4	1	3	4		150	150
3202540	Building Services IV	2	1	1	2		100	100
3202541	History of Architecture IV	2	1	1	2	50		50
3202542	Settlement Studies	2	1	1	2	50		50
3202543	Working Drawing II	3	2	1	3	100		100
3202544	Professional Elective	3	1	2	3	100		100
		26	**10**	**16**	**26**	**450**	**450**	**900**

FOURTH YEAR B.ARCH.
SEMESTER VII

Subject Code	Course Title	No of Credits	Lecture hours	Studio hours	Total hours	SS marks	SV marks	Total marks
4202545	Architectural Design VI	7	1	6	7		250	250
4202546	Design Elective	4	1	3	4	150		150
4202547	Building Construction and Materials VII	4	1	3	4		150	150
4202548	Design Detailing	3	1	2	3	100		100
4202549	Research in Architecture I	3	2	1	3	100		100
4202550	Interdisciplinary Elective	3	1	2	3	100		100
4202551	Professional Practice and Conduct	2	1	1	2	50		50
		26	**8**	**18**	**26**	**500**	**400**	**900**

FOURTH YEAR B.ARCH.
SEMESTER VIII

Subject Code	Course Title	No of Credits	Lecture hours	Studio hours	Total hours	SS marks	SV marks	Total marks
4202552	Architectural Design VII	7	1	6	7		250	250
4202553	Creativity Elective	3	1	2	3	100		100
4202554	Building Construction and Materials VIII	4	1	3	4		150	150
4202555	Urban Studies	3	1	2	3	100		100
4202556	Research in Architecture II	3	1	2	3	100		100
4202557	Project Management	3	2	1	3	100		100
4202558	Technology Elective	3	1	2	3	100		100
		26	**8**	**18**	**26**	**500**	**400**	**900**

FINAL YEAR B.ARCH.
SEMESTER IX

Subject Code	Course Title	No of Credits	Lecture hours	Studio hours	Total hours	SS marks	SV marks	Total marks
5202559	Practical Training	26					400	400
		26					**400**	**400**

FINAL YEAR B.ARCH.
SEMESTER X

Subject Code	Course Title	No of Credits	Lecture hours	Studio hours	Total hours	SS marks	SV marks	Total marks
5202560	Architectural Design Project	18	2	16	18		600	600
5202561	Skill Elective	3	1	2	3	100		100
5202562	Open Elective	3	1	2	3	100		100
5202563	Entrepreneurship Development	2	1	1	2	100		100
		26	**5**	**21**	**26**	**300**	**600**	**900**

Note: The syllabus structure is based upon 26 clock hours per week Additionally, 4 clock hours per week are left for utilisation for the lectures / allied activities focussing on the individual philosophy of the institute in form of audit courses / site visits / special lectures / workshops / seminars etc offering choice based activities for the institutes / students. The sessions considered for calculating the teaching load are of 60 min duration. All credits are calculated as 1hr = 1 credit.

(Note: SS= Sessional work; SV= Sessional and Viva voce)

LIST OF ELECTIVE COURSES

A total of eight Elective courses of various types are offered. Following are the types of Electives offered and a list of alternatives that colleges may offer to their students under each of the types. Please refer the syllabus for Electives for guidelines and the Sessional work requirements. Electives are not interchangeable with each other and the type of Elective listed in a particular semester has to be conducted in that semester only.

Open elective is offered in subjects from other disciplines or subject domains or from subjects that nurture the candidate's proficiency or skill. Successful completion of 'Swayam' courses may be considered for the Open Elective.

Suggested List of Elective Options:

Semester IV
2202528 Indian Knowledge Systems Elective (2 credits)

'Jeernoddhar'
'Vastushastra'
Architectural Heritage of India
Architecture of Forts
Architecture of Water-related Structures
Ecological Thought in Indian Tradition
Indian Crafts
Indian Texts on Architecture
Indian Towns and Settlements
Temple Architecture
Traditional Building Crafts
Traditional Indian Landscapes
Vernacular Architecture

Semester VI
3202544 Professional Elective (3 credits)

Advanced Quantity Surveying
Disaster Management
Disaster Mitigation
Estimation and Costing
Image of the City
Liveable Cities
Redevelopment
Slum Improvement
Tendering
Town Planning Acts

UDCPR for Maharashtra State
Valuation

Semester VII
4202546 Design Elective (4 credits)

Advanced Landscape Design
Architectural Conservation
Context based Design
Design of Specialised Structures
Design with Climate
Designing with AI
Energy based Building Design
Exhibition Design
Furniture Design
High Rise Design
Industrial Design
Interior Design
Parametric Design
Retail Design
Set Design
Temporary Structures
Urban Design
Urban Landscape Design

Semester VII
4202550 Interdisciplinary Elective (3 credits)

Anthropology for Architects
Archaeology for Architects
Architectural History
Architectural Journalism
Architecture and the Environment
Basics of Planning
Behavioural Studies
Building Economics
Design Management
Environmental Psychology
Gender Studies in Architecture
Sociology for Architects

Semester VIII
4202553 Creativity Elective (3 credits)

Architectural Narratives
Architecture and Films
Architecture and Literature
Architecture and Other Arts
Architecture and Sculpture
Art and Architecture
Art Appreciation
Concept to Design
Critical Thinking
De-constructivist Theory and Design
Lateral Thinking
Post-Modern Theory and Design
Readings on Contemporary Indian Architecture
Tools for Creative Thinking

Semester VIII
4202558 Technology Elective (3 credits)

Advanced Building Services
Barrier Free Architecture
Building Rating Systems
Design for Accessibility
Green Buildings
Specialised Materials in Architecture
Specialised Structures
Structure and Architecture
Sustainability in Architecture
Theories in Architecture
Universal Design

Semester X
5202561Skill Elective (3 credits)

Accounting and Finance
Advanced Rendering Software
Advanced Sketching
Building Documentation
Building Information Management (BIM)
Condition Mapping
Drone Surveying
English Communication

GIS
Graphic Communication
Modelling Software
Parametric Software
Photogrammetry
Photography
Qualitative Research Methods
Quantitative Research Methods
Soft Skills for Architects
Team Building
Time Management

Semester X
5202562 Open Elective (3 credits)

In case the institute is unable to offer an Open Elective to its students, the students may be offered any other elective from the electives listed above for earlier semesters provided that the student has not undertaken the same elective earlier.