SYNDICATE MEMBERS
Prof. Dr. Jamilur Reza Choudhury
Prof. Dr. M. R. Kabir
Air Commodore Ishfaq Ilahi Choudhury, ndc, psc (Retd.)
Mr. Qayum Reza Chowdhury
Dr. M. Alauddin
Mr. A. A. Moniruzzaman
Prof. Dr. Abu Sayeed Mostaque Ahmed
Prof. Dr. Kazi Mohiuddin Ahmed
Dr. Mohiuddin Ahmed Bhuiyan
Dr. Mollah Jalal Uddin
Prof. Dr. S.M. Imams Huq
Mr. Sarwar Razaq Chowdhury Registrar

ACADEMIC COUNCIL MEMBERS
Prof. Dr. Jamilur Reza Choudhury
Professor Dr. M. R. Kabir
Dr. M Alauddin
Dr. Fatema Alauddin
Dr. C.M. Shahi Sami
Prof. Dr. Abu Sayeed Mostaque Ahmed
Mr. Ziaul Islam
Mr. Shamsad Ahmed
Dr. Sanjib Kumar Paul
Dr. Muhammad Mizanur Rahman
Aloke Kumar Saha
Prof. Dr. Kazi Mohiuddin Ahmed
Mr. Takad Ahmed Chowdhury
Mr. Salahuddin Ahmad
Dr. Mohiuddin Ahmed Bhuiyan
Prof. Shahriyar Anam
Prof. Dr. Sultan Mahmoud
Dr. Iftekhar Anam
Prof. Dr. Tapen Kumar Chakraborty
Prof. Dr. Mohiuddin Ahmed Bhuiyan
Prof. Dr. M. Kaykobad
Prof. Shibli Rubayat Ul Islam
Mr. Sarwar R Chowdhury

Chancellor
Hon’ble President of People’s Republic of Bangladesh
Vice-chancellor
Prof. Dr. Jamilur Reza Choudhury
Pro Vice-chancellor
Prof. Dr. M. R. Kabir
Treasurer
Air Commodore Ishfaq Ilahi Choudhury, ndc, psc (Retd.)
Registrar
Mr. Sarwar Razaq Chowdhury

administration and departments
Vision
Administration and Mission
Dept. of Architecture
Undergraduate Curricula
Course Syllabus
Departmental resources
Event and activities
UAP rules and regulations
UAP mission is to offer best possible education to our young generation. Towards the mission, UAP continues to develop a sustained culture of ascending to a top-tier of vibrant academic environment; maintain and foster well-qualified faculty, provide adequate research support for cutting-edge research in-house and in collaboration national and international peers; update curricula to keep up with advancing trend in science and technology, use state-of-the-art best practices in teaching-learning and modern facilities in laboratories and libraries; and provide other supports in aid to students’ becoming competent graduates with their potential fully realized and personality well-developed for joining the global forces in making the future of society in a changing world.
UAP holds steadfastly its passion to do better and better in fulfilling our young generation’s needs and aspirations for a caring and quality education in casting their future career and become a desirable destination for an identity.
Our built environment defines our way of looking at things, our style of living and our vision of society and ourselves. The architect defines the living environment and shares that vision. The architect intervenes into the environment, he builds, and he creates a new reality. An architect is needed not only for building a house but also for building the surroundings, the city and in short, the environment. The environment must be planned, visioned, organized and sustained for us as well as for generations to come.

At UAP we define Architecture broadly, addressing it both as product and as process. Our aims are toward the envisioning of specific environments that are rich, comprehensible, and humanly supportive. Inquiries into the foundations of the discipline, the practice and the teaching of architecture, forms some of the underlying tones of architectural education at UAP.

Faculty and students in Design address the foundations of thought, of process, and of technique. They question the role of design and designers in society, and the legitimacy of design action within and across cultural boundaries. Investigation of new ways to describe and manipulate shapes, opening new means to explore complex design artifacts, reflecting on the implications for form and process of emerging institutions in society, in particular the future workplace and studying the learning of design with the hope to inform the processes of learning and teaching— all form part of the architectural education and experience at UAP.
In the context of ever changing needs and challenges, the Department of Architecture, UAP with its caring and quality education aspires to develop creative, enlightened, socially responsible and morally upright scholars appropriate to serve and lead the contemporary and upcoming world.
The Department’s mission is to:

- Continuously upgrade the scholastic endeavor and to evolve a teaching-learning environment that is engaging and conducive for guiding young inquisitive minds.

- By combining tradition with new innovations and creativity the department acts as a center point for generation and exchange of ideas those can contribute for a better future of the society in a responsible and morally upright way.

- The Department provides a vibrant academic environment where the students, academicians, professionals, national and international peers and eminent personalities engage themselves on connecting, conserving, preserving, creating and applying knowledge for the betterment of the future and the society.

- The Department is deeply committed to facilitate the learning environment through state-of-the-art library, labs, workshops, studios and other infrastructural facilities to realize the full potential of our faculties and students.

PEOs
Program educational objectives

The professional and personal developments the graduates are expected to demonstrate a few years after the completion of their degrees are embedded in the PEOs.

- **PEO 1**: Take professional standards to new heights by being an exemplary knowledgeable and ethical professional.

- **PEO 2**: Make innovation, creativity and exchange of ideas the central means to serve the society.

- **PEO 3**: Demonstrate ability to work efficiently in groups, communicate skillfully and show leadership qualities.

- **PEO 4**: Be at par with state of the art techniques and technology and most current research and development.

- **PEO 5**: Take lifelong learning as a motto and pursue and succeed in further education be it personal or institutional.
The curriculum of architecture education is heavily focused on studio courses. At UAP, the studios from first year to third year are considered as one integrated studio ensuring continuity between levels that are vast and diverse in character. The senior studios are aimed to create awareness of placing architecture among the greater context of urbanism, historical and cultural backdrop along with development of high professional competency. Bridging theory and sessional courses is also a primary focus of the UAP curriculum.
### 1ST YEAR

**TERM 1**

Prescribed Total 22.5 credit

<table>
<thead>
<tr>
<th>SESSIONAL</th>
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<tbody>
<tr>
<td><strong>ARCH 102</strong> Design Studio I</td>
<td><strong>CSE 100</strong> Computer Skills</td>
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<tr>
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<tr>
<td><strong>ARCH 112</strong> Architectural Graphics I</td>
<td><strong>HSS 101</strong> English l-Oral and Written:</td>
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<tr>
<td>3.0 cr 6 hr</td>
<td>Communication Skills</td>
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<tr>
<td><strong>ARCH 141</strong> History of Architecture I: Ancient Period</td>
<td><strong>HSS 111</strong> Bangladesh Studies: Society and Culture</td>
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<tr>
<td>2.0 cr 2 hr</td>
<td>2.0 cr 2 hr</td>
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<tr>
<td><strong>ARCH 151</strong> Aesthetics and Design</td>
<td><strong>PHY 101</strong> Physics</td>
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### 1ST YEAR

**TERM 2**

Prescribed Total 20.5 credit

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<tr>
<th>SESSIONAL</th>
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<tbody>
<tr>
<td><strong>ARCH 104</strong> Design Studio II</td>
<td><strong>MATH 173</strong> Calculus and Solid Geometry</td>
<td><strong>ARCH 103</strong> Art Appreciation</td>
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<tr>
<td>4.5 cr 9 hr</td>
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<tr>
<td><strong>ARCH 114</strong> Architectural Graphics II</td>
<td><strong>ARCH 133</strong> Environment and Design I: Climate and Design</td>
<td><strong>ARCH 193</strong> Music Appreciation</td>
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<tr>
<td>(prerequisite ARCH 112)</td>
<td>(prerequisite Phy 101)</td>
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<tr>
<td>3.0 cr 6 hr</td>
<td><strong>ARCH 143</strong> History of Architecture II:Europe</td>
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<tr>
<td><strong>ARCH 124</strong> Computer Graphics</td>
<td>(prerequisite ARCH 112)</td>
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<tr>
<td>2.0 cr 3 hr</td>
<td><strong>ARCH 193</strong> Music Appreciation</td>
<td>2.0 cr 2 hr</td>
</tr>
<tr>
<td><strong>HSS 103</strong> English II - Language Composition Skills</td>
<td>(prerequisite HSS-101)</td>
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<td>3.0 cr 3 hr</td>
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<td><strong>ARCH 133</strong> Environment and Design I: Climate and Design</td>
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<tr>
<td><strong>ARCH 143</strong> History of Architecture II:Europe</td>
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**Environment and Design I: Climate and Design (prerequisite Phy 101)**

**History of Architecture II: Europe (prerequisite Arch 141)**

**ART 103** Art Appreciation

**MATH 173** Calculus and Solid Geometry
## 2ND YEAR

### TERM 1

**Prescribed Total 20.0 credit**

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<tr>
<td>ARCH 202</td>
<td>Design Studio III</td>
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<tr>
<td>ARCH 212</td>
<td>Graphic Art</td>
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<tr>
<td>ARCH 222</td>
<td>Photography</td>
<td>1.0cr 2hr</td>
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<tr>
<td>Theory</td>
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<tr>
<td>ARCH 231</td>
<td>Environment and Design II: Visual &amp; Sonic Environment (Prerequisite Phy 101)</td>
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<tr>
<td>ARCH 241</td>
<td>History of Architecture III: Indian Buddhist and Hindu Periods</td>
<td>2.0cr 2hr</td>
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<tr>
<td>ARCH 261</td>
<td>Building and Finish Materials</td>
<td>2.0cr 2hr</td>
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<tr>
<td>ARCH 271</td>
<td>Basic Planning</td>
<td>2.0cr 2hr</td>
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<tr>
<td>CE 281</td>
<td>Structure I: Mechanics</td>
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<tr>
<td>HSS 201</td>
<td>Environmental Psychology</td>
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<tr>
<td>HSS 291</td>
<td>Economics and Development</td>
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### TERM 2

**Prescribed Total 19.0 credit**

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<tr>
<td>ARCH 204</td>
<td>Design Studio IV</td>
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<tr>
<td>ARCH 214</td>
<td>Art and sculpture</td>
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<tr>
<td>ARCH 224</td>
<td>Computer aided drafting &amp; design (Prerequisite Arch 241)</td>
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<tr>
<td>Theory</td>
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<tr>
<td>ARCH 243</td>
<td>History of Architecture IV: Indian Muslim Period (Prerequisite Arch 241)</td>
<td>2.0cr 2hr</td>
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<tr>
<td>ARCH 253</td>
<td>Development of Ideas</td>
<td>2.0cr 2hr</td>
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<tr>
<td>ARCH 263</td>
<td>Construction Methods and Details</td>
<td>2.0cr 2hr</td>
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<tr>
<td>CE 283</td>
<td>Structure II: Basic Mechanics of Solids (Prerequisite: CE 281)</td>
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<tr>
<td>ARCH 233</td>
<td>Design in the Tropical Area (Prerequisite: Phy 101)</td>
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<tr>
<td>ARCH 293</td>
<td>Ecology</td>
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### 3RD YEAR

#### TERM 1

**Prescribed Total 18.5 credit**

<table>
<thead>
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<tr>
<td>ARCH 302</td>
<td>Design Studio V</td>
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<tr>
<td>ARCH 312</td>
<td>Working Drawing I: Construction Drawing</td>
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<td>ARCH 322</td>
<td>Cost Estimation</td>
<td>1.0</td>
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<tr>
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<tr>
<td>ARCH 341</td>
<td>History of Architecture V: Modern</td>
<td>2.0</td>
<td>2</td>
</tr>
<tr>
<td>MECH 361</td>
<td>Building Services I: Mechanical</td>
<td>2.0</td>
<td>2</td>
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<tr>
<td>CE 381</td>
<td>Structure III: Mechanics of Solids</td>
<td>2.0</td>
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<td></td>
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<tr>
<td>ARCH 371</td>
<td>Theory and Practice of Planning</td>
<td>2.0</td>
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<tr>
<td>ARCH 363</td>
<td>Building Technology</td>
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**Prerequisite:**
- ARCH 204
- Arch 261 & Arch 263

### TERM 2

**Prescribed Total 21.0 credit**

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<td><strong>THEORY</strong></td>
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<tr>
<td>ARCH 304</td>
<td>Design Studio VI</td>
<td>8.0</td>
<td>12</td>
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<tr>
<td>ARCH 314</td>
<td>Working Drawing: Production Drawing</td>
<td>1.5</td>
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<tr>
<td>ARCH 324</td>
<td>Material and Construction Workshop</td>
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<tr>
<td>ARCH 343</td>
<td>History of Architecture VI: Contemporary</td>
<td>2.0</td>
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<tr>
<td>ARCH 353</td>
<td>Urban Design I: Space and Form</td>
<td>2.0</td>
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<tr>
<td>CE 383</td>
<td>Structure IV: Steel and Timber Structure</td>
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<td>CE 363</td>
<td>Building Services II: Plumbing</td>
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<td>EEE 363</td>
<td>Building Services II: Electrical</td>
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<tr>
<td>ARCH 303</td>
<td>Interior Design</td>
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<tr>
<td>ARCH 393</td>
<td>Building Types</td>
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**Prerequisite:**
- Arch 341
- CE 281

**Prerequisite:**
- Arch 261 & Arch 263
### 4TH YEAR

#### TERM 1

**Prescribed Total 19.5 credit**

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<tr>
<td><strong>ARCH 402</strong> Design Studio VII</td>
<td><strong>ARCH 441</strong> Architecture and Society of Bengal</td>
<td><strong>ARCH 401</strong> Architectural Conservation</td>
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<td>10.0cr 15hr</td>
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<tr>
<td><strong>ARCH 422</strong> Interior Design</td>
<td><strong>ARCH 451</strong> Landscape Design</td>
<td><strong>ARCH 403</strong> Urban Anthropology</td>
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<tr>
<td><strong>ARCH 404</strong> Design Studio VIII</td>
<td><strong>ARCH 463</strong> Survey Techniques and Analytic Methods</td>
<td><strong>ARCH 404</strong> Rural Planning</td>
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#### TERM 2

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<tr>
<td><strong>ARCH 401</strong> Architectural Conservation</td>
<td><strong>ARCH 491</strong> Urban Design II: Analysis and Application</td>
<td><strong>ARCH 401</strong> Architectural Conservation</td>
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<td><strong>ARCH 424</strong> Landscape Design</td>
<td><strong>ARCH 473</strong> Human Settlements</td>
<td><strong>ARCH 471</strong> Rural Planning</td>
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<tr>
<td><strong>ARCH 403</strong> Urban Anthropology</td>
<td><strong>ARCH 463</strong> Survey Techniques and Analytic Methods</td>
<td><strong>ARCH 401</strong> Architectural Conservation</td>
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Courses
### 5TH YEAR

**TERM 1**

**Prescribed Total 19.5 credit**

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<tr>
<td><strong>ARCH 502</strong></td>
<td>Design Studio IX</td>
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<td>12.0cr 15hr</td>
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<tr>
<td><strong>ARCH 512</strong></td>
<td>Seminar I: Preparation</td>
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<tr>
<td><strong>ARCH 561</strong></td>
<td>Specification and Codes</td>
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<tr>
<td><strong>ARCH 571</strong></td>
<td>Construction Management</td>
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**Total requirement for the B.Arch degree is 198 credits. (Including a non-credit internship of 12 weeks any time after the seventh term)**

**TERM 2**

**Prescribed Total 18.0 credit**

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<tr>
<td><strong>ARCH 504</strong></td>
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<tr>
<td><strong>ARCH 514</strong></td>
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<tr>
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<tr>
<td><strong>ARCH 553</strong></td>
<td>Professional Practice</td>
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<tr>
<td><strong>ARCH 573</strong></td>
<td>Principles of Accounting</td>
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**Special requirement**

**ARCH 600** Internship (Professional Training)

From all the optional courses, students require to complete any eight courses altogether.
In early studios, the students go through a process of exploration to identify, recognize, and realize the basics of composition, studying both natural and man-made environment. The process remains open-ended to expose a freshman to both sensory and perceptual world of composition, to create awareness about the underlying coherence of all creative fields and also to enhance lateral learning from different fields of art and design.
The aim would be to develop ability to conduct quality conversation and other communicative expressions in real life situations, both professional and personal. Basic items would include the use of articles, numbers, tense, modal verbs, pronouns, punctuation, sentence & question formation, transformation of sentence.

The aim would be to develop a tendency of seeing social factors in perspective, rather than in isolated manner. Main items would include primary concepts, mode of production, factors of social life, social structure and process, social institutions, culture and civilization, city and country, social change, problems of society and social problems of Bangladesh. Current aspects of Bangladesh society including urbanization and evolution of social control will be discussed.


Dwellings as a natural human phenomenon. Evolution of architecture through the times. Understanding the impact of economic, political, social, cultural and religious factors on architecture with subsequent study of early civilizations, such as, ancient Egypt, Mesopotamia, Persia etc.. Comparative study with examples from Aegean, Greek, Etruscan and Roman Architecture. Analyzing the events in a chronological structure. Cross influences.

The concept of aesthetics and its purpose. The role of aesthetics in the creative process. Relationship between art and design. Theories of design. Process and methodology of design and its existence as a non verbal language structured in a basic grammar of composition. Stylistic developments.
Writing skills, grammar review, paragraph writing, and writing essay from paragraph. Specific applications include writing formal letter, resume / CV, report, memo, etc. Reading skills include reading for main ideas, using contexts for vocabulary, scanning for details, making inferences. Oral presentations cover oral reports, interviews and communication over telephone.


Introduction to arts, ideas and architecture of the European societies beginning from the early Christian era. The change of ideas through the later ages and the subsequent changes in architecture. Developments of architecture in the Byzantine, Romanesque, Medieval, Gothic, Renaissance, Baroque and Rococo periods.

Calculus: Definition of limit, continuity and differentiability, successive and partial differentiation, maxima and minima. Integration by parts, standard integrals, definite integrals. Area under a plane curve in Cartesian co-ordinates.


Understanding the articulation of form and space as basic compositional fundamentals. Elements of forms and spaces and their different aspects. Introduction to scale and proportion. Layering and sequence of space, solids and voids, transparency and opacity. Introduction to color and texture. Multi layer analysis of compositions of different media and finding three dimensional expressions through application of basic ordering principles. Introduction to elementary architectural spaces.

Understanding the basic principles of shade and shadow. Introduction to perspective as an architectural presentation technique. Understanding the fundamentals of perspective and shade/shadow through three dimensional studies of massmodels. Perspectives and proportions.

Computer graphics and its basics. Basic ideas about graphical software. 2-D and 3-d graphics with the help of different software such as Photoshop, Corel-draw etc. To understand and to use graphics and software in architectural presentation and design. Inter-software exchange of data to achieve best quality of presentation. Factors concerning optimum use of hardware and printing.

Architectural Graphics II
6 hours / week: 3.0 credits

Arch 124:
Computer graphics
3 hours/week: 2.0 credits

The concept of Art. Art as an expression of the materialculture. People and Art, The early developments of art and its purpose. Understanding the evolution of Art through the ages with special references to the stylistic movements in the field of Art. Critical analysis of individual art work. Criticism of art in a particular context. Methodology of artistic criticism.

Based on the compositional framework carried on from early studios, the second year studio is the first step to introduce function through simple object or product design. The process at this level begins with both scientific and intuitive search on the assigned task, to identify individually a specific idea/challenge that the project offers; the design then becomes a response to that idea/challenge. The scale and challenges of projects at this level varies from simple object design to architectural projects with simple programmatic requirements; nonetheless the process remains same.
Arch 231:
Environment and Design II-
Visual and Sonic Environment
2 hours/week: 2.0 credits

Understanding the importance of visual and sonic environment perception. The physical nature of light and its relationship with the built environment. Factors of daylight and its prediction technique. Supplementary and artificial lighting in architecture. Day light and human responses. Introduction to architectural acoustics, properties of sound, the fundamentals of sound perception, generation and propagation. Behavior of sound in enclosed spaces. Principles of acoustics design of rooms of speech, music and multi-purpose use. The concept of noise control, criteria for noise control design and acoustical measurements.

Arch 241:
History of Architecture III-
Indian Buddhist and Hindu Periods
2 hours/week: 2.0 credits

Introduction to the development of Architecture in the Indian subcontinent beginning from the Indus valley civilization. The changes in the Buddhist and Hindu era through the ages with emphasis on their architectural developments. Understanding the context and links.

Arch 261:
Building and Finish Materials
2 hours / week: 2.0 credits

Introduction to materials available to the local building industry and their classification. Aspects and properties of different building and finish material. Techniques of use of different materials and their details. The quality of construction and finishes. Problems and solutions for new materials and experiments, case study.

Arch 271:
Basic Planning
2 hours / week: 2.0 credits


CE 281:
Structure I- Mechanics
2 hours / week: 2.0 credits

Introduction to analytic mechanics, Understanding Force, its components and resultants, coplanar and concurrent force system, statically determinate and indeterminate structure, force equilibrium, centroid, moment of inertia of areas, simple truss, flexible chords.

Hss 291:
Economics and Development
2 hours / week: 2.0 credits

Arch 243: 
History of Architecture
IV-Indian Muslim Period
2 hours/week: 2.0 credits

Arch 253: 
Development of Ideas
2 hours/week: 2.0 credits

Arch 263: 
Construction Methods and Details
2 hours/week: 2.0 credits

CE 283: 
Structure II-Basic Mechanics of Solids
2 hours/week: 2.0 credits

Early Muslim invasion in the Indian subcontinent and the impact of subsequent socio-economic changes in the field of architecture. Understanding the cross-cultural influences and the change in the building technology. Development in the Sultanate and Mughal period.


Learning to analyze construction from an architect’s point of view. Understanding the concepts of different structural system. Types of structure and their methods and techniques of construction. Foundation, floor, wall and roof systems. Use of different types of modules. Moisture and thermal protection of floor, wall and roof. Doors and windows. Details of kitchen, bathroom and stair. Elevators and escalators. Aspects of detailing. Detail and creativity.

Shear force and bending moment diagrams of statically determinate structures. Introduction to stress and strain, stresses and strain in members subjected to tension, compression, shear and temperature changes, welded and riveted joints, mechanical properties of materials. Fundamental concepts of stress and strain, mechanical properties of materials, stresses and strains in members subjected to tension, compression, shear and temperature changes, joints: welded and riveted, shear force and bending moment diagrams for statically determinate beams and frames.

Arch 233: 
Design in the Tropical Area
2 hours/week: 2.0 credits

Critical analysis of the regional factors. Study of the relationships between architecture and the climatic characteristics of tropical regions. Investigation of the problem and understanding the mechanism of air and moisture movement, surface condensation rain penetration etc. Means of wetness control and passive cooling in buildings. Comparison of alternative solutions and understanding the secondary implications of environmental control decisions.

Basic ecological aspects and their relationship with the built environment and other human interventions.

Arch 204: 
Design Studio IV
9 hours/week: 6.0 credits

Arch 214: 
Art and Sculpture
3 hours/week: 1.5 credits

Arch 224: 
Computer Aided Design and Drafting
3 hours/week: 1.5 credits


Introduction to artistic and architectonic volumes. Understanding their multi-dimensional aspects with special focus on handling of different materials. Brief introduction to contemporary trends in sculpture. Sculpture and public spaces.

Basic two-dimensional drawings and three-dimensional modeling using CAD software. Understanding the efficiency of the software as a complete design and drafting tool. Production of scaled drawings and architectural presentations.

Arch 233: 
Design in the Tropical Area
2 hours/week: 2.0 credits

Arch 293: 
Ecology
2 hours/week: 2.0 credits

Optional courses

Arch 204: Design Studio IV
9 hours/week: 6.0 credits

Arch 214: Art and Sculpture
3 hours/week: 1.5 credits

Arch 224: Computer Aided Design and Drafting
3 hours/week: 1.5 credits
Incorporation of structural systems within the spatial framework. Exploring the detailed characteristics of different kinds of structural systems, such as post-lintel, post-slab, wall-slab etc. Understanding the problems of dealing with multiple functions with emphasis on form-space relationship. Ideas in architecture tracking the contemporary trends.
Arch 341:
History of Architecture V- Modern
2 hours/week: 2.0 credits

Mech 361:
Building Services I- Mechanical
2 hours/week: 2.0 credits

Arch 371:
Theory and Practice of Planning
2 hours/week: 2.0 credits

Arch 363:
Building Technology
2 hours/week: 1.0 credits

CE 381:
Structure III- Mechanics of Solids
2 hours/week: 2.0 credits


Analysis of flexural and shear stresses in beams, principal stresses, direct integration and area moment methods for finding slopes and deflections in statically determinate beams. Indeterminate beam analysis, buckling of columns.

Incorporation of structural systems within the spatial framework. Exploring the detailed characteristics of different kind of structural systems, such as post-lintel, post-slab, wall-slab etc. Understanding the problems of dealing with multiple functions with emphasis on formspace relationship. Ideas in architecture tracking the contemporary trends.

Understanding the importance of construction drawings in the design and the construction process. Exploring the advantage and limitations of drawings as tool of conveying information. Working drawing exercise of plans, elevations and sections with necessary details of kitchen, stair, toilet etc. Detail and shop drawings. Material-specific directive for construction.


Understanding the importance of technical aspects of architectural design. Construction techniques of different spatial and structural volumes dome, vault, shell etc. Techniques of rapid construction prefabrication and modular technology. Getting acquainted with the recent experiments on new materials and construction technology in Bangladesh and abroad.

Arch 303: Interior Design  
2 hours / week: 2.0 credits

Arch 304: Design Studio VI  
12 hours / week: 8.0 credits

Arch 314: Working Drawing II - Production Drawing  
3 hours / week: 1.5 credits

Arch 324: Materials and Construction Workshop  
2 hours / week: 1.0 credits

Complex building problems with public functions. Dealing with increased scale, technicalities of structures and building services emphasizing innovative ideas incorporating formal and functional expressions.

Introduction to the system of referencing in the working drawings. Getting familiar with working drawing symbols and conventions, building and safety codes. Preparation of complete working drawing documents of a recent studio project of the student.

Practical class, shop drawing preparation, construction site visit. Lectures and demonstrations on soil test, foundation, brick work, paint, carpentry and electrical matters etc.

Arch 304 is a mandatory course for students in the architecture program.

Arch 314 is a required course for students in the architecture program.

Arch 324 is an elective course for students in the architecture program.

Issues of complexity and contradiction in the contemporary architecture. The multi-valence of contemporary society and its influence on architecture. The issues of meaning in architecture beyond modernism. The impact of information technology on the contemporary ideas and architecture. Architecture after the masters.


Viewing plumbing aspects from an architect’s point of view. Understanding the plumbing layout and its relationship with the built form. Different technical aspects of plumbing - water supply, drainage, sewage and load analysis. Plumbing in high-rise buildings.

Introduction to electrical design. Getting acquainted with problems of power supply in large scale buildings. Presentation of electrical drawings. Electrical units and standards, electrical networks and circuit theorems. Alternating current, RLC series and parallel circuits, introduction to electrical wiring for residential, commercial and industrial installations and buildings. Illumination and different types of lighting.

Different types of trusses, analysis of trusses for wind and static load, design of truss sections, introduction to allowable stresses, design of steel columns, beams and timber structures.


Understanding the importance and purpose of classifying buildings by types. Study of different aspects of various building types and their unique characteristics. Functional technical and morphological characteristics of different building types.
Placing architecture in the social context. Comprehending the complex socioeconomic and cultural forces and their architectural manifestations. Architecture of spiritual and emotional content. Introduction to the urban issues and scale. Accommodating details, materials and practicality.
Arch 441: Architecture and Society of Bengal
2 hours/week: 2.0 credits

Learning to infer. Explore the available text and architectural remains of Bengal. The cultural history of human development in different areas of this region as depicted in architecture. Vernacular architecture and social interaction. The evolution of ‘society-power-structure-architecture’. The influence of the various art and cultural movements.

Arch 451: Landscape Design
2 hours/week: 2.0 credits

Learning to understand the scope, scale and details of landscape design as compared to architecture. Principles of landscape design. Historical references. Environmental issues and landscape design. Elements of landscape design. Site survey and its development. Organization of various outdoor spaces - their positioning and hierarchy. Circulation and linkages among outdoor spaces. Planning and gardening. Addressing the different technical aspects in landscape design.

CE 481: Structure V- Reinforced Concrete Structure
2 hours/week: 2.0 credits

Observing structure from an architect’s viewpoint. Introduction to reinforced concrete design: working stress design method, analysis of reinforced beams by WSD; design of one-way and two-way slabs. Flat slabs, flat plates, waffle slabs, ribbed slabs, Introduction to ultimate strength design (USD).

Arch 401: Architectural Conservation
2 hours / week: 2.0 credits


Arch 402: Design Studio VII
15 hours / week: 10.0 credits

Placing architecture in the social context. Comprehending the complex socio-economic and cultural forces and their architectural manifestations. Architecture of spiritual and emotional content. Introduction to the urban issues and scale. Accommodating details, materials and practicality.

Arch 422: Interior Design- sessional
3 hours / week: 1.5 credits

Acquaintance with interior materials. Preparation of design and installation drawings for interior. Furniture layouts and total interior design for different types of interior spaces as bank, studio, restaurant, shopping mall etc. Detail design and drawing for kitchen and toilet. Detailed drawings for suspended ceiling, partition dry wall, artificial lighting. Furniture design and details of furniture joints. Selection and placement of indoor plants in different interiors. Study of different practical interior projects and their construction process.

Arch 491: Urban Design II- Analysis and Application
2 hours / week: 2.0 credits

Arch 463: Survey Techniques and Analytical Methods
2 hours/week: 2.0 credits

Arch 473: Human Settlement
2 hours/week: 2.0 credits

CE 483: Structure VI- Elements of Building Structure
2 hours/week: 2.0 credits

Arch 471: Rural Planning
2 hours/week: 2.0 credits

Arch 403: Urban Anthropology
2 hours/week: 2.0 credits

Arch 404: Design Studio VIII
15 hours/week: 10.0 credits

Arch 424: Landscape Design
3 hours/week: 1.5 credit

Dealing with large-scale master plan oriented problems. Investigating the multiplicity of contemporary urban issues like housing, rehabilitation, urban renewal, urban infill etc. Understanding the tools and techniques of conservation.

Field level study and analysis of landscape elements. Analysis of site and environment. Study on the technical aspect of landscape design. Exercises following the principles of landscape design to the extent of working details.

Arch 424: Landscape Design

The importance of precision survey techniques from an architect’s point of view. Surveying principles. Physical surveys - Chain survey, traverse survey, plane table survey, levels and leveling, contours and layout surveys. Social Survey and its types. Design and plan of research objective - goal, variables and universal, selection of methods. Design of questionnaire, pretest and pilot survey. Collection of data and data processing.

The essence of dwelling as a basic architectural concept. An overview on traditional dwelling and existing situation in the country putting emphasis on the urban areas. Introduction of major policies, reforms, legislation and movements in the housing and settlement sector. Observing the present scenario of Dhaka and different constraints regarding Housing issues. Examines mass housing problems throughout the ages with emphasis on housing for low and middle-income groups. Housing design issues both social as well as technological. Standards for different contemporary concepts, standards as well as technology that are already practiced around worldwide and their scope in our context.


Introducing professional issues in architecture. Learning to take independent decisions based on real-life situations. Probing on design problems within specific realistic settings and contexts. Carrying out the design process as a whole—beginning from the feasibility of the project to the extent of preparation of construction documents.
Arch 561: Specifications and Codes  
2 hours/week: 2.0 credits

Hss 571: Construction Management  
2 hours/week: 2.0 credits

Arch 503: Bio-Climatic Design  
2 hours/week: 2.0 credits

Arch 533: Environment and Design IV: Environment Responsive Design  
2 hours/week: 2.0 credits

5.1 LEVEL TERM  
Studio/Sessional courses

Introducing professional issues in architecture. Learning to take independent decisions based on real life situation. Probing on design problems within specific realistic settings and context. Carrying out the design process as a whole—beginning from the feasibility of project to the extent of preparation of construction documents.

Developing the skill of selecting relevant and vital topics of investigation in the current field of architecture. Working out a research paper with the help of literature, field survey and other sources. Development of writing skills and referencing. Learning the oral and written presentation techniques.


Arch 533: Professional Practice
1 hour/week: 1.0 credits

Arch 600: Internship: Professional Training
12 week: non-credit course

Theory courses

Architecture as a profession. The relationship between the architect and the client, government agencies and other construction professionals and consultants. The position and role of the architect duties, responsibilities and obligations. Details of contracts. Commissioning of jobs. The range of services. Professional ethics. The managerial and administrative aspects of construction. The legal framework. The architect as a member of larger community. Communication and correspondence.


This course is compulsory but carries no credit. Students has to work in an architectural firm for a period of twelve weeks any time after the sixth term. Emphasis is on working drawing, site supervision and meeting of deadlines.

The final project required for completion of the B. Arch. program of study. Culmination of every factors learned within the five year span. Selection and execution of the project will be individual. Projects (realistic/hypothetical/idea) with adequate significance would be considered. Concentration would be on complete design solution having keen investigative understanding of the design problem within the contextual framework of each individual project. The professional level of attainment will be the goal.

Supporting documentation and analysis in report form for Arch. 504: Design studio X (thesis) revealing the student's study and research within the relevant field of study. Case study and analysis. The report would reflect the whole of the design process, formulation of design concept and execution.

Continuation and further development of Seminar one. Final presentation of the preparation taken in the previous semester.

Hss 573: Principles of Accounting
2 hours/week: 2.0 credits

Arch 504: Design Studio X - Thesis
15 hours/week: 12.0 credits

Arch 514: Seminar II: Presentation
3 hours/week: 1.5 credits

Arch 524: Dissertation
4 hours/week: 2.0 credits