

CHAPTER - XCII (B)

Bachelor of Architecture in the Faculty of Engineering & Technology

(Effective from the Session 2011 – 2012)

1. Introduction

(a) The Faculty of Engineering & Technology, Aligarh Muslim University offers full-time program leading to the Bachelor of Architecture (B. Arch.).

(b) The medium of instruction in B.Arch. Program is English.

2. Eligibility

A candidate will be eligible for admission to B.Arch. program if he/she has passed the Senior Secondary School Certificate (10+2) Examination of this University or an Examination recognized by this University as its equivalent with 50% marks in aggregate of English, Physics, Chemistry, and Mathematics, or have passed the Diploma in Engineering/Architecture Examination of this University with 50% marks in aggregate.

3. Admission

The admissions to the B.Arch. program will be made normally in the Autumn Semester as per the admission policy approved by the Academic Council of the University from time to time.

4. Academic Session

The academic session is divided into two regular semesters – Autumn and Winter, each of which shall be of approximately 20 weeks duration. The Autumn semester will normally commence in the month of July/August every year, and the Winter in the month of December/January. In the beginning of every session the Dean, in consultation with the Chairmen of the departments concerned, shall notify a detailed academic calendar indicating the schedule of teaching, examination, and other activities.

5. Duration of the Program

5.1 Minimum Duration

The minimum duration of the B. Arch. program shall be ten consecutive semesters after admission.

5.2 Maximum Duration

The maximum duration of the B. Arch. program shall be sixteen consecutive semesters after admission.

6. Curriculum and Credit System

6.1 Credit System

The B.Arch. program will have a curriculum in which every course will be assigned certain credits reflecting its weight and contact periods per week, as given below:

- 1 Lecture period (L) per week = 1 Credit
- 1 Tutorial period (T) per week = 1 Credit
- 1 Practical period (P) per week = 0.5 Credit
- 1 Drawing period (D) per week = 1 Credit

In addition to theory and laboratory courses there may be other courses such as seminar, colloquium, project, etc., which will be assigned credits as per their contribution in the program without regard to contact periods.

6.2 Course Categories

The curriculum for each branch will contain courses in the following categories having credits in the ranges given below in such a way that the total of all credits will be equal to that required for the award of degree as specified elsewhere in these ordinances.

(a) Basic Sciences (BS) (Courses such as Physics, Chemistry, Mathematics etc.)	8-24 credits
(b) Engineering Sciences & Arts (ESA) (Foundation and applied engineering courses that are used across many branches)	20-56 credits
(c) Humanities and Management (HM) (Language, Social science, & Management)	8-18 credits
(d) Departmental Core (DC)	100-200 credits
(e) Departmental Electives (DE)	8-16 credits
(f) Open Electives (OE)	8-16 credits

6.3 Coordinators and Curriculum Development Committee

There shall be a Chief Coordinator, B.Arch. Program, to be nominated by the Dean, and a Coordinator, B.Arch. programme, in the department, to be nominated by the Chairman of the department concerned. Normally the Chief Tabulator will be the Chief Coordinator, B. Arch. Program. There shall also be a standing Curriculum Development Committee (CDC), to be constituted by the Faculty. The Chief Coordinator, B.Arch. Program, will be the Convener of the CDC.

6.4 The Curriculum Structure

The curriculum will contain a listing of all courses, with each course having a course category, course number, course title, number of contact periods per week, number of credits assigned, the marks assigned to various components of evaluation, and the duration of Examinations. It will also have a list of alternative courses in the new curriculum for the old curriculum courses and filler courses to compensate for the shortfall in credits earned by taking alternative courses in any category, if needed. It will also specify all other conditions required for the award of degree.

6.5 Approval of the Curriculum

The curriculum for B. Arch. program will be prepared by the department concerned and will be approved by the Board of Studies of the department. It will then be vetted by the CDC and will then be placed in the Faculty along with the recommendations of the CDC for approval. Once approved by the Faculty, the Curriculum will be implemented. The same procedure shall be used for any modification in the Curriculum.

7. Registration

7.1 Registration Procedure and Schedule

(a) Every student is required to register, in each semester, for the courses that he/she wants to pursue in that semester. The registration schedule will be announced by the Dean/Chairman for every semester. The registration process involves:

(i) Submitting a registration form in the office of the Chairman and obtaining a registration card signed by the Chairman;

(ii) Paying the required fees.

(b) A student will normally register for higher semester courses only if he has also registered for un-cleared courses of previous semesters, especially in the case of un-cleared courses of first two semesters.

(c) A student will have the option to add/delete/alter the courses in his/her registration within a week of the registration subject to such conditions as may be imposed by the department concerned from time to time.

(d) A student can drop a course from his/her registration by submitting a request to his/her department coordinator up to a date specified on his/her registration card. A registered course will be counted as an attempt even if the student remains absent in the Examination(s).

(e) No student will be allowed to register for more than 45 credits in a semester. A graduating course, however, will not be included in this limit.

(f) A student may be denied registration in a course due to reasons of paucity of staff or space or other facilities, especially in case the student is registering a course for improving the grade in a passed course.

(g) If a student fails to register in two consecutive semesters without specific permission from the Dean, his/her name may be removed from the rolls of the faculty. Such a student may apply to the Dean for re-admission stating the reasons for not being able to register for two consecutive semesters and the Dean will take suitable decision on the merit of the case.

(h) A student of B. Arch programme cannot register for 2 Architectural design (JE) courses in the same semester in case attendance is required in both the courses.

(i) A student of B. Arch. cannot register for any course with F grade in the X semester.

7.2 Graduating Course

A student may be allowed to register for one course of not more than 5 credits if he/she is able to graduate by passing such a course, irrespective of whether the course is being offered in the current semester to regular students or not, provided that the student has fulfilled the attendance requirement earlier and has been awarded E or I grade in that course. Such a course shall be known as a graduating course.

8. Attendance (In lieu of Chapter XVII of the Academic Ordinances)

Attendance in each course separately is compulsory at least once. Students who have put in 75% or more attendance in a course in a semester will be eligible to appear in the End-Semester Examination of that course. Students who have put in 65% or more but less than 75% attendance in a course may be considered for condonation of shortage of attendance in that course by the condonation committee. Students whose attendance in a course is less than 65% or whose shortage in attendance has not been condoned will not be eligible to appear in the End-Semester Examination of that course and will be awarded grade 'F' in that course and all marks obtained in any component

of the course-evaluation will stand cancelled. However, in case a student is repeating a course and the student has already fulfilled the attendance requirement in that course, he/she will not be detained due to shortage of attendance in that course during the repeating semester.

9. Examination and Evaluation (In lieu of Clause (9) of Chapter XV of the existing Academic Ordinances)

9.1 Components of Evaluation

Each course will be evaluated out of 100 marks. The courses will normally have the following components of evaluation:

- (a) Theory courses:
- | | |
|--------------------------|----------|
| Course work | 15 marks |
| Mid-Semester Examination | 25 marks |
| End-Semester Examination | 60 marks |
- (b) Laboratory courses including Seminar, Colloquium, Project, etc.
- | | |
|--------------------------|----------|
| Course work | 60 marks |
| End-Semester Examination | 40 marks |
- (c) Architectural design courses
- | | |
|--------------------------|----------|
| Course work | 50 marks |
| Mid-Semester Examination | 10 marks |
| End-Semester Examination | 40 marks |
- (d) Drawing courses
- | | |
|--------------------------|----------|
| Course work | 40 marks |
| Mid-Semester Examination | 20 marks |
| End-Semester Examination | 40 marks |
- (e) Project/Design Thesis in IX Semester
- | | |
|--|--------------------------------|
| To be completed in 4 stages through a jury (construction of jury given in conduct of examinations) | |
| Stages 1-3 | 60 marks (20 marks each stage) |
| Stage IV (End Semester Examination) | 40 marks |

However, for special academic reasons, some courses may have different weight for different components of evaluation from that given above. Such special reasons will be spelt out clearly in the curriculum.

9.2 Grading System

The combined marks obtained by a student in various components of evaluation of a course shall be converted into regular letter grades with their equivalent grade points as specified below

Grade	Grade points	Description
A	10	Outstanding
B	8	Very good
C	6	Good
D	4	Satisfactory (Minimum Pass Grade)
E	2	Unsatisfactory (Fail)
F	0	Detained due to shortage of attendance
I	0	Incomplete/Absent in the End-Semester Examination
Z	0	Cancelled due to other reasons

There shall be no D grade in the Architectural Design (JE) courses as well as Design Thesis; C grade will be the minimum pass grade in these courses.

The following marks ranges may ordinarily be used for the award of grades to the students in a course.

Range	Grade
75 and above	A
60 and above but less than 75	B
45 and above but less than 60	C
35 and above but less than 45	D
Less than 35	E

Two grace marks may be awarded by the examiner for passing a course and one grace mark may be awarded by the examiner to elevate the grade. Any fraction in any component of evaluation should be rounded off to the next whole number.

The examiner(s) may propose higher or lower grade ranges depending upon the nature of the course and general performance of the students in the course, but the final decision rests with the Result Moderation Committee. However, the minimum passing grade `D` should never be awarded if a student secures below 35 marks (including 2 grace marks) in a course.

9.3 Evaluation of a Graduating Course

A graduating course shall be evaluated on the basis of the End-Semester Examination component of the course alone. The student shall appear only in the End-Semester Examination of the graduating course. Grade D shall be awarded if the student concerned obtains 35 or more of the marks allotted to End-Semester Examination alone. In case the marks obtained are less than 35, grade E will be awarded. Two grace marks, however, will be awarded for passing the course.

9.4 Earned Credits (EC)

If a student passes a course by obtaining grade D (C in the Architectural Design (JE) courses and Design Thesis) or above he/she earns the credits assigned to that course.

9.5 Performance Indices

At the end of every semester a student's performance will be indicated by Earned Credits (EC), a Semester Performance Index (SPI), and a Cumulative Performance Index (CPI). The SPI is the credit-weighted average of grade points of all courses registered during a semester and is computed as follows:

$$\text{SPI} = (C_1G_1 + C_2G_2 + \dots) / (C_1 + C_2 + \dots)$$

Where C_1, C_2, \dots are the credits assigned to courses and G_1, G_2, \dots are the grade points earned in those courses.

The CPI is the credit-weighted average of grade points of all courses passed in all the semesters since admission.

9.6 Repetition of a Failed Course

If a student fails in a course his/her marks of all components of evaluation in that course will be cancelled. The student will have to register the course again or its alternative and will be required to appear in all components of evaluation afresh. No previous marks shall be used in any case.

9.7 Repetition of a Passed Course

A student may repeat a course to try to improve his/her grade in that course only once, provided that he/she has passed that course in a single attempt. In such case the student will have to register the course again and will be required to appear in all components of evaluation afresh. No previous marks shall be used in any case. For the purpose of calculating the SPI the recently obtained grade will be considered while for CPI the better of the two grades will be counted.

9.8 Conduct of Examinations

(a) The examiners for the End-Semester Examination of all theory courses will normally be the teacher(s) associated with the course. The Seminar, Colloquium courses will be examined by the teacher(s) associated with the course and one or more examiners from among the teachers of the department to be recommended by the BOS of the department concerned. The laboratory and project courses will be examined by the teachers(s) associated with the course and an external examiner not in the service of the university at the time of examination. In case the external examiner does not turn up for the examination, the Chairman of the department concerned, in consultation with the course in-charge, shall call another person to act as the external examiner, even from within the University, if necessary.

(b) The End-Semester Examination of all graduating courses shall be conducted simultaneously along with the End-Semester Examination of regular courses of the current semester examination.

(c) The Jury in case of examination of Project/Design thesis in IX semester shall consist of:

- (i) Chairman (Head of Jury)
- (ii) Respective Guide of students (Internal Examiner)
- (iii) External Examiner(s)

All the members of the Jury shall be treated as Examiners in all 4 stages and remuneration/TA-DA shall be paid as per university norms.

9.9 Moderation Committees

(a) Question Paper Moderation Committee: There shall be a Moderation Committee of the concerned Department consisting of the following members to moderate the Question Papers of the End-Semester Examination.

- (i) Chairman of the Department concerned – (Convener)
- (ii) Two senior teachers of the Department (to be appointed by the BOS).

Note: The Paper Setter(s) may be invited, if necessary, to clarify the necessary details of the question paper.

(b) Result Moderation Committee: There shall be a Result Moderation Committee of the concerned Department consisting of the following members to moderate course-wise results of the End-Semester Examinations.

- (i) Chairman of the Department concerned - (Convener)
- (ii) Two senior teachers of the Department (to be appointed by the BOS).

Note: Examiner(s) concerned may be invited especially if the committee so desires.

The Result Moderation Committee will examine the result of each theory course and in case of an abnormal situation; it may take suitable corrective measures in consultation with the examiner(s). The examiner(s) will place the evaluated answer scripts along with the brief solution and marking scheme before the Committee. In case of difference of opinion among the members of the Committee, the majority decision will prevail, in which the examiner(s) will not participate.

9.10 There shall be no re-evaluation in Architectural Design (JE) courses and Design Thesis.

10. Degree Requirement

(a) A student who earns 240 credits subject to the break up in various course categories and fulfills such other conditions as may be mentioned in the curriculum will be awarded the degree of Bachelor of Architecture. He/she must also pay all University dues as per rules. Moreover, there should be no case of indiscipline pending against him/her.

(b) If a student earns more credits than the minimum required for the award of degree, his/her CPI will be calculated by considering the best grades subject to fulfilling the criteria of required credits as specified in the curriculum.

11. Name Removal from the Rolls of the University and Mercy Appeal

11.1 Name Removal

The earned credits (EC) of every student will be checked at the end of even number of semesters and if the total credits earned by the student are less than the minimum required as given below, his/her admission to the B. Arch. program will be cancelled and his/her name will be removed from the rolls of the University.

Check Point (No. of semesters after admission)	Minimum EC requirement
2 semesters	0
4 semesters	30
6 semesters	60
8 semesters	90
10 semesters	120
12 semesters	150
14 semesters	180
16 semesters	240

11.2 Mercy Appeal

If the name of a student is removed from the rolls of the University as per provisions of clause 11.1 of these ordinances, he/she may appeal to the Vice-Chancellor stating the reasons for not being able to earn the required credits and the Vice-Chancellor, if he is satisfied with the reasons, may allow the continuation of admission of the student only once during the tenure of the program, extending the total duration of the program by two semesters, at the maximum, beyond 16 semesters, if required. Under no circumstances a student will be allowed to complete the program after the lapse of 18 semesters after admission.

12. Result

(a) If a student passes all the examinations and fulfills all the requirements for the award of degree his/her result will be shown as "Graduated".

(b) The Division awarded to “Graduated” students will be based on CPI as given below:

First Division (Honours)	CPI \geq 8.5
First Division	6.5 \leq CPI $<$ 8.5
Second Division	CPI $<$ 6.5

There shall be no formula for conversion of CPI or SPI into equivalent percentage of marks during the program. However, once the program is completed by a student and he/she is graduated, his/her final CPI will be converted into equivalent percentage of marks by the following formula:

$$y = (20x^3 - 380x^2 + 2725x - 1690)/84$$

where y is the percentage of marks and x is the CPI.

(c) If a student earns more credits than the minimum required as given in the table in clause 11.1 before fulfilling the degree requirements, his/her result will be shown as “Continued”.

(d) If the name of a student is removed from the rolls of the University as per provisions of clause 11.1 of these ordinances his/her result will be shown as “Name Removed”.

(e) Ranks/Positions will be determined at the end of even semesters. Only those students who fulfill the following conditions will be eligible for ranks/positions:

- (i) They do not have any break in their studies;
- (ii) They have passed every scheduled course in first attempt;
- (iii) They have passed every course on time as per the curriculum;
- (iv) They have earned credits as per the schedule given in the curriculum;
- (v) They have not improved grade in any course after passing the course.

The students who violate any of the above conditions will not be awarded any rank/position. The ranks/positions will be determined on the basis of CPI.

13. Transitory Ordinance

Candidates admitted prior to the implementation of these Ordinances shall be governed by the Ordinances (Academic) under which they were admitted. Students who fail in the courses that are no more offered in these new ordinances and new curriculum will be allowed to pass the alternative courses, and in case there are no alternative courses, the old courses may be offered. For such candidates, any marks obtained earlier shall not be taken into account for passing the course(s) and they will have to obtain marks in all components of evaluation afresh. A student admitted previously may apply to the Dean through the Chairman concerned, to be governed by these ordinances. Such cases may be allowed on a case by case basis.