

Performance Criteria

HONOURS DEGREE OF BACHELOR OF ARCHITECTURE

Original

Recommended by the Faculty of Architecture Curriculum Committee: 04.01.2007
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Approved by the Council : 04.04.2007

Revisions

Revised clause No.5.1("d" and "e") recommended by the Senate : 20.01.2010
Revised clause No.5.5 recommended by the Senate : 16.11.2011
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Approved by the Council : 04.01.2012
Revised Level 3 Curriculum recommended by the Senate : 24.04.2013
Introducing 3 elective modules to Level 4 curriculum
Approved by the Senate : 21.05.2014
Introducing a compulsory module to Level 1 curriculum
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Approved by the Council :

University of Moratuwa

Performance Criteria for the Honours Degree of Bachelor of Architecture

student admitted to the course leading to the Honours Degree of Bachelor of Architecture will be eligible to receive the Honours Degree of Bachelor of Architecture provided that the student has successfully fulfilled the following conditions as determined by the Senate of the University of Moratuwa:

1.0 Admission

- 1.1 The admission requirements to the Honours Degree of Bachelor of Architecture shall be determined by the University Grants Commission (UGC) in accordance with the government policy and be based on an Aptitude Test conducted by the Department of Architecture.

2.0 Program

- 2.1 The academic calendar of the course consists of nine academic semesters, each 20 weeks in duration, and an in-plant training of a minimum of 44 weeks duration.

3.0 Registration

- 3.1 At the commencement of each semester, students shall complete a prescribed Registration Form and pay the prescribed fees and other dues as determined by the University Senate. The Registration Form shall indicate the modules registered and shall be approved by the Academic Advisor.
- 3.2 Each student shall be responsible for the selection of course modules as required by the course structure approved by the University Senate, subject to availability of the modules.
- 3.3 A student who wishes to de-register from a module shall do so in writing within two (02) weeks of the commencement of the semester. De-registering a module after this deadline shall not be allowed and shall be regarded as a missed attempt, even if the student does not appear for any assessment and/or examination in that module.
- 3.4 A student who wishes to take an additional module or a replacement for a de-registered module may do so within two (02) weeks of the commencement of the semester with the approval of the Academic Advisor.

4.0 Course structure

4.1 The Degree program offers five core areas of study (hereinafter referred to as Majors). The main Major of the program is **Design** which acts as the nucleus. The other four Majors are **Profession, Environment, Technology** and **Society**. All the modules of these five Majors are compulsory during the First, Second & Third Levels and the first semester of the Fourth Level. Elective modules are allowed within a major during the second semester of Level Four. It is expected that students will demonstrate the specific field of inquiry within the selected major in the "Comprehensive Design Project" and the "Dissertation" in Level Five.

The selection of Major will be determined on the preference of the student and the performance in the Orientation Design Project (ODP) during the first semester of Level Four.

4.2 Credits

Each module is assigned a credit value representing the student's workload. For a lecture module extending over one semester, one credit shall be assigned for each hour of academic lectures per week. For a Design module extending over one semester, one credit shall be assigned for three hours of studio work per week. The In-Plant Training shall be assigned twelve (12) credits.

4.3 Modules

The program has compulsory and elective modules.

The modules offered during Level One, Two, Three, Five and the first semester of Level Four are compulsory.

All the Design modules in Level Four are compulsory.

During the second semester of Level Four, the students should earn a total of 08 credits (excluding the credits for Design modules). Out of the above 08 credits, 04 credits (minimum) shall be from modules of the major and 02 credits (minimum) from the modules of the "Profession" major.

4.4 Modules from other Institutions

A student shall complete the modules specified by the Faculty and approved by the Senate, at the University of Moratuwa.

A student may offer selected modules from other recognized institution, to be able to earn credits, provided that prior approval is obtained from the Senate, on the recommendation of the Faculty Board before registering for the module.

In such circumstances it is the responsibility of the student to ensure that an official transcript of grades of such modules is forwarded to the Registrar of the University of Moratuwa through the Head of the Department.

4.5 Leave of Absence

A student may be allowed to submit an application for leave of absence from the course of study for a maximum duration of twelve calendar months, for a determination by the University Senate on the recommendation of the Faculty Board.

5.0 Evaluation of performance

The performance of students in each module shall be separately assessed by continuous assessments and/or end-of-semester examinations.

5.1 Academic rating

Letter grades based on the Grade Point System (GPS) and the corresponding percentage marks as illustrated below will be used to express the performance in each module.

Guideline Grade Boundaries(%) ^g	Grade	Grade Point	Interpretation
85 and above	A+	4.20	
75 - 84	A	4.00	Excellent
70 - 74	A-	3.70	
65 - 69	B+	3.30	
60 - 64	B	3.00	Good
55 - 59	B-	2.70	
50 - 54	C+	2.30	Satisfactory pass ^(a)
45 - 49	C	2.00	Possesses basic skill
40 - 44	C-	1.50	Weak pass ^(c)
35 - 39	D	1.00	Conditional pass ^(b)
34 and below	I	0.00	Incomplete ^(d)
34 and below	F	0.00	Fail ^(e)
	N	-	Academic concession ^(f)

Notes:

- a) Grade (C+) or above is required to earn a credit for the following modules: "DESIGN PROJECT" Modules in all Levels and "DISSERTATION" in Level Five.
- b) Grade (D) or above, is required to earn a credit for all the other modules (except the modules listed under (a) above).
- c) A student who has obtained a Grade below (C) for any module (except the modules listed under (a) above) may repeat the module and improve the grade to a maximum of Grade (C) to be considered for the Semester Grade Point Average.
In the case of the modules identified under (a) above, a student who has obtained a Grade below (C+) shall repeat the module and improve the grade to a maximum of Grade (C +) to be considered for the Semester Grade Point Average.
- d) A student satisfying continuous assessment requirements by obtaining 40% or more marks but receiving less than 35% in the end-of-semester examination (for modules assessed through continuous assessment and end-of-semester examination) shall receive an Incomplete Grade (I). By repeating the end-of-semester examination only, the student may improve the grade to a maximum of grade (C) to be considered for the Semester Grade Point Average. In the repeat attempt, the marks obtained at the end -of-semester examination only will be considered for the grading of the module. irrespective of the marks obtained for the Continuous assessment previously.
- e) A student receiving less than 40% for the continuous assessment (for modules assessed through continuous assessment and end-of-semester examination) will not be eligible to sit the end of semester examination and shall receive a Fail Grade (F). The student shall repeat both the continuous assessment as well as the end-of-semester examination until a pass grade is obtained. The maximum Grade obtainable by such a repeat candidate is (C).
A student receiving less than 40% for the continuous assessment (for modules assessed through continuous assessment only) shall receive a Fail Grade (F). The student shall repeat the continuous assessment until a pass grade is obtained. The maximum Grade obtainable by such a repeat candidate is (C).
- f) Grade N signifies Academic Concession granted with the approval of the Senate, on the recommendation of the Faculty Board, in the event a student is unable to sit for the end-of-semester examination due to illness or other compelling reasons. In such instances, the student must appeal for an Academic Concession as specified in
- g) Section 5.12. The continuous assessment component of the student's work may be carried forward to the next examination as the first attempt. The grade will not be counted for the calculation of the Semester GPA.
- h) The Senate shall appoint subject Moderators as recommended by the Faculty to moderate the grades.

5.2 The Design Stream Modules in Level One, Two & Four

The performance of a student in Design studio modules in Level One, Two and Four shall be assessed during both semesters and be included in a Portfolio for moderation at the end of the second semester.

The portfolio shall be moderated by a Panel consisting of a Professor of Architecture, the Year Person, a Studio Person and one External Examiner.*

The Panel of Examiners will review the marks received by the students for the modules and moderate the same considering the level of performance expected in the given year and the competencies required to proceed to the next level of study.

The Panel of Examiners may request the students to make specific improvements to the coursework, and re-submit within a period of 6 weeks. Such re-submissions shall be examined by a panel consisting of a Professor of Architecture, the Year Person, and a Studio Person, and if satisfied allocate the mark recommended by the Panel of Examiners.

****An external examiner for this purpose shall be a professionally qualified Architect approved by the Council on the recommendation of the Senate, Faculty and the Head of the Department of Architecture, University of Moratuwa, and shall be one who does not teach the portfolio assessed modules to the Students.***

5.3 The Major Design Project in Level Three

The performance of a student in the Major Design Project (MDP) in Level Three shall be assessed by a Panel of Examiners consisting of a Professor of Architecture, the Year Person, A Studio Person and an External Examiner.*

A student who receives a "C" grade in the MDP assessment may be allowed to make the improvements specified by the Board and resubmit within a period of one month. It shall be examined by a panel consisting of a Professor of Architecture, the Year person, and a studio person, and if satisfied upgrade the mark to receive a "C+" grading.

A student who receives a grade of "C-" or below for the MDP shall repeat the module in a subsequent academic year.

****An external examiner for this purpose shall be a professionally qualified Architect approved by the Council on the recommendation of the Senate, Faculty and the Head of the Department of Architecture, University of Moratuwa, and shall be one who does not teach the above subject to the Third Year Students.***

5.4 *The Comprehensive Design Project in Level Five*

The performance of a student in the Comprehensive Design Project (CDP) in Level Five shall be assessed two stages:

Stage I:

A Panel of Examiners consisting of a Professor of Architecture, the Head of the Department, the Year Person and a Studio Person will examine the CDP submitted.

The marks of the examination together with comments will be submitted to a Panel of External Moderators by the Head of the Department.

Stage II:

A Panel of External Moderators consisting of at least two eminent architects, recommended by the Faculty and approved by the senate (one of whom shall be from another country and with recognized credentials) shall examine the CDP for the purpose of moderation of marks in the presence of the Board of Examiners mentioned in Stage I above and the candidate.

A student who receives a "C" grade in the CDP examination will be allowed to make the improvements specified by the panel of External Moderators and resubmit within a period of one month. It shall be examined by a panel consisting of a Professor of Architecture, the Year Person, and a Studio Person, and if satisfied upgrade the mark to receive a "C+" Grading.

A student who receives a grade "C-" or below for the CDP shall repeat the module in a subsequent academic year.

5.5 *Pre requisites to register for Level Two, Three, Four and Five*

- 5.5.1 Students must earn credits for the Design modules at Level One, Two and Four to register for the subsequent Level. A credit in Major Design Project at Level Three is essential to register for Level Four.
- 5.5.2 Students must obtain credits for all the modules of Level One to register for Level Four.
- 5.5.3 Students must obtain credits for all the modules of Level Two to register for Level Five.
- 5.5.4 Students must obtain a credit for the Essay- Architectural Design & Social Studies (AD 3030) module of Level Three to register for Level Five.

5.6 The Board of Examiners

A Board of Examiners appointed by the Senate on the recommendation of the Faculty Board comprising of Examiners and Moderators of all modules will meet at the end of each semester to decide on the performance and academic rating of each student registered for that semester.

5.7 Semester Grade Point Average (SGPA)

The calculation of the Semester Grade Point Average (SGPA) shall be based on the summation of Grade Points earned for all modules registered for credit [except those awarded with Academic Concession] in a semester weighted according to number of credits as given in the formula below:

$$SGPA = \frac{\sum n_i \times g_i}{n}$$

where n_i is the number of credits for the i^{th} module in a given semester and g_i is the Grade Point earned for that module; n is the total number of credits for that semester.

In Level One, Two and Four, Design stream modules assessed by Portfolio will be considered as second semester work for the calculation of the SGPA.

5.8 Unsatisfactory standing & academic probation

If the student's Grade Point Average falls between 1.50 and 2.00 the student will be placed Academic Warning. Any student with a SGPA less than 1.50 will be placed on Academic Probation. Academic probation and/or Academic Warning may be withdrawn when the relevant SGPA is upgraded to 2.00 or more. A student on academic Warning or academic Probation will not be allowed to carry any additional academic load. A student who falls into one of the following categories due to failure to upgrade the SGPA will be temporarily discontinued from the course:

- i. SGPA < 1.50 in any two semesters;
- ii. SGPA < 1.50 in any semester and $1.50 \leq \text{SGPA} < 2.00$ in any two semester;
- iii. $1.50 \leq \text{SGPA} < 2.00$ in any four semesters.

5.9 Overall Grade Point Average (OGPA)

The OGPA is the final standing of the student calculated on the basis SGPAs with the following weightages. The OGPA will be the weighted total of SGPAs, divided by 20.

Year of study	Weightage factor per semester
Level 1 SGPAs	01
Level 2 SGPAs	01
Level 3 SGPAs	02
Level 4 SGPAs	02
Level 5 SGPAs	04

5.10 Current Grade Point Average (CGPA)

The CGPA describes a student's current GPA based on the grades obtained for all the modules registered to-date and weighted according to the credit values and the Level of study. The weights assigned in Section 5.9 for different Levels of study shall be applied in the calculation of CGPA.

5.11 Award of Classes

The award of Class is determined at the completion of all the graduation requirements based on the OGPA cut-off as indicated below. A class may be awarded only to a student who has completed all graduation requirements within six (06) academic years.

OGPA	Academic Standing
3.70 or above	First Class
3.30 - 3.69	Second Class - Upper Division
2.70 - 3.29	Second Class - Lower Division
2.00 - 2.69	Pass

5.12 Academic concession

A student who has missed an end-of-semester examination due to illness or other compelling reasons, shall inform the Registrar within 48 hours of the completion of the examination, to be considered for academic concession. Documents supporting the illness/other compelling reason shall be submitted to the Senate for its approval with the recommendation of the Dean and the Head of the Department within two weeks of the date of examination.

5.13 Dean's List

A full time undergraduate student who obtains an SGPA of 3.80 or greater in any one semester may be recommended by the Board of Examiners to be included in the Dean's List provided all of the following conditions are met:

- i. The student has completed the minimum number of credits during the semester;
- ii. The student has no "Incomplete" or "Failure" grades
- iii. The student was not subject to disciplinary action.

Such a placement will also be noted on the student's transcript.

6.0 Graduation requirements

- 6.1 A student enrolled for the Honours Degree of Bachelor of Architecture shall follow a course of study as a full-time student for a minimum period of five academic years
- 6.2 A student shall satisfy the following requirements in order to be admitted to the Honours Degree of Bachelor of Architecture:
 - i. A minimum total of 150 credits from the modules specified for the course of study;
 - ii. Completion of courses and any other mandatory requirements prescribed by the Senate;
 - iii. A minimum OGPA of 2.00
- 6.3 A student will not qualify for the award of Honours Degree of Bachelor of Architecture if the graduation requirements given in Section 6.2 are not satisfied within ten academic years from the date of first registration.

7.0 Effective Date of Award

The effective date of the degree shall be the first day of the month following the satisfactory completion of the graduation requirements as confirmed by the Senate.

7.1 Date of conferment of the degree

The date of conferment of the degree shall be the date of the convocation in which the degree is conferred on the candidate.

8.0 Definitions

"Department" means the Department of Architecture, Faculty of Architecture, University of Moratuwa as constituted by the Universities Act No. 16 of 1978, subsequently amended.

"Faculty" means the Faculty of Architecture, University of Moratuwa as constituted by the Universities Act No. 16 of 1978, subsequently amended.

"Faculty Board" means the Faculty Board of the Faculty of Architecture, University of Moratuwa as constituted by the Universities Act No. 16 of 1978, subsequently amended.

"Senate" means the Senate of the University of Moratuwa as constituted by the Universities Act No. 16 of 1978, subsequently amended.

"Registrar" is the Registrar of the University of Moratuwa as constituted by the Universities Act No. 16 of 1978, subsequently amended.

"Head of the Department" means the Head, Department of Architecture, University of Moratuwa as constituted by the Universities Act No. 16 of 1978, subsequently amended.

"Year Person" is a member of the academic staff of the Department of Architecture, University of Moratuwa, being in-charge of a Level of study.

"Studio Person" is a member of the academic staff of the Department of Architecture, University of Moratuwa, imparting Design teaching.

Short Syllabus

Level 1		
Module No.	Title	Credit
<i>First Semester</i>		
AP 1010	Research & Communication	1.0
AD 1080	Design Fundamentals	1.0
AS 1020	History of Art & Architecture - Sri Lankan-1	1.0
AS 1040	Sri Lankan Studies	1.5
<i>Second Semester</i>		
AP 1020	English	1.5
AE 1010	Climate & Comfort	1.5
AT 1010	Structures - 1	2.0
AT 1020	Construction Technology - 1	2.0
AS 1010	Social Studies - 1	2.0
AS 1030	History of Art & Architecture - World	1.5
AD 1010	Free hand Drawing	2.0
AD 1020	Perspectives & Sciography	2.0
AD 1030	Color	1.0
AD 1040	Nature Studies •	2.0
AD 1050	Experiencing Architecture & documentation •	1.0
AD 1060	Structure Project	1.0
AD 1070	DESIGN PROJECTS	6.0
Level 2		
<i>First Semester</i>		
AE 2030	Principles of Acoustical Design	1.0
AE 2040	Spatial Planning & Design	1.0
AT 2020	Building Services - I	1.0
AS 2010	Social Studies - II	1.5
AS 2020	History of Architecture - Sri Lankan II	1.5
AD 2010	Design Theory - I	1.0
<i>Second Semester</i>		
AP 2010	Introduction to Building Economics	1.0
AE 2010	Solar Geometry and Heat Transfer in Buildings	2.0
AE 2020	Principles of Lighting Design	1.0
AT 2010	Structures - II	2.0
AT 2030	Construction Technology - II	2.0
AT 2040	Working Drawings	2.0
AD 2020	Experiencing Architecture	1.0
AD 2030	Computer-aided Drafting	1.0
AD 2040	DESIGN PROJECTS (4-5 nos)	11.0

Level 3		
Module No.	Title	Credit
First Semester		
AP 3010	Professional Studies - I	1.5
AE 3010	Principles of Tropical Design	1.5
AT 3010	Structures - III	1.5
AT 3020	Building Materials	1.5
AT 3030	Building Services - II	1.5
AD 3030	Essay- Architectural Design and Social Studies	3.5
AD 3010	Advanced Computer Applications	1.0
AD 3020	MAJOR DESIGN PROJECT (MDP)	8.0
Second Semester		
AD 3040	In Plant Training I - (Design and Technology)	6.0
AP 3030	In Plant Training II - (Management)	4.0
Level 4		
First Semester		
AP 4010	Law	1.5
AE 4010	Introduction to Green Architecture	1.5
AE 4020	Urban Design & Environment	1.5
AT 4010	Materials - Usage & Technology	1.5
AS 4010	Social Implications of Architecture	1.5
AD 4010	Design Theory	1.5
Second Semester		
AP 4020	Professional Studies - II	2.0
AP 4030	Project Management	2.0
AP 4040	Construction Management	2.0
AE 4030	Advanced - Climate Sensitive Design	2.0
AE 4040	Introduction to Indoor Air Quality	2.0
AE 4050	Low Energy Architecture	2.0
AE 4060	Introduction to Landscape Design & Planning	2.0
AE 4070	Advanced Lighting Design	2.0
AE 4080	Building Environmental Assessment	2.0
AT 4030	Advanced Construction Technology	2.0
AT 4040	Advanced Building Services	2.0
AT 4050	Building Facilities Management	2.0
AT 4060	Construction Design	2.0
AS 4020	Advanced Studies in History of Architecture	2.0
AS 4030	Introduction to Architectural Conservation	2.0
AS 4040	Society & Human Settlements	2.0
AS 4050	Landscape and Place	2.0
AD 4020	ORIENTATION DESIGN PROJECT	4.0
AD 4030	URBAN DESIGN PROJECT	4.0
AD 4040	DEMONSTRATION DESIGN PROJECT	5.0
Level 5		
AP 5010	Office Management	2.0
AD 5020	Dissertation	10.0
AD 5010	Comprehensive Design Project (CDP)	18.0

Effective Date of All Degrees

Having considered the concerns of Senior Assistant Registrar/Examination on the above matter appeared in Memo 479.03.13 of 479th Senate book, Senate decided that the effective date of award of all degrees (Undergraduate and Postgraduate) and Postgraduate diplomas is to be the last date of the month in which the examination is completed. This will be effective for all the degrees and Postgraduate diplomas completed from December 2018 onwards.

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