

Annexure I.A

Course Equivalence Scheme Bachelor of Architecture

Applicable to students of B.Architecture, studying along with or admitted after AY 2012-13 and prior to AY 2015-16, who are following the earlier Semester – Marks pattern syllabus of SPA Vijayawada and who, due to non-fulfilment of academic requirements or detainment (year-repeat), are required to attend classes with batches admitted on or after AY 2015-16 from the time the new Semester – Credit pattern Course Structure of B.Architecture of SPA Vijayawada is effective.

Approved by the Board of Studies Architecture, SPA Vijayawada on 16-12-2015



योजना तथा वास्तुकला विद्यालय, विजयवाडा
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An Institute of National Importance, MHRD, Govt. of INDIA.

1. Preamble: Salient Features of 'Course Equivalence Scheme'

1.1 This is to be applicable only to – students of B.Architecture of SPA Vijayawada, studying along with or admitted on or after AY 2012-13 and prior to AY 2015-16, who are following the earlier Semester -Marks pattern syllabus of SPA Vijayawada and who, due to non-fulfilment of academic requirements or detainment (year-repeat), are required to attend classes with batches admitted on or after AY 2015-16 from the time the new Course Structure under Semester – Credit pattern of B.Architecture of SPA Vijayawada is effective

1.2 The 'Course Equivalence Scheme' is aimed to keep the old course structure and academic regulations unchanged for such students (as pt. 1.1) as per his/her year of admissions till he/she passes out, in spite of he/she being required to sit with batches where new course structure has been initiated. Hence, this equivalence regulation is to be ideally read together with the course structure and academic regulations/exam rules, applicable to the students as per his/her year of admissions for its complete applicability. However, owing to the complexities involved in operationalising the Course Equivalence, it may be necessary for the department to minimise the number of such students who will have to rely on Course Equivalence Scheme. Hence it is recommended that the existing Old / Semester Marks Scheme students may be offered additional opportunities to clear the examinations without having to come under Course Equivalence Scheme. It is thus proposed that the last three batch of students (as pt. 1.1) and who were admitted may be offered:

1.2.1 Theory Subjects - Two (2) additional supplementary examination attempts – i.e. Four attempts comprising One (1) Regular and Three (3) Supplementary attempts as against Two (2) attempts comprising One Regular and One Supplementary attempt. The maximum number of Theory Subjects where a student can take Supplementary Examination remains as Two as no changes are proposed in this regard.

1.2.2 Jury Subjects –At present there is no scope for Supplementary Examination in case of Jury Subjects like Architectural Design, Graphics etc. It is proposed to offer One (1) supplementary examination in these Jury Subjects. This Supplementary Jury examination may be scheduled with supplementary examinations being conducted for Theory Subjects.

1.2.3 Suitable amendments may be made to the above effect in the existing examination rules applicable for Semester (Marks) Scheme. Even after availing the benefits of above mentioned additional supplementary examinations, he/she will be detained and be required to come under the Course Equivalence Scheme. Subsequently, the original examination rules in vogue at the time of his/her admission to the Bachelor of Architecture course will become applicable.

1.2.4 Items 1.3 to 1.8 are applicable for students who eventually come under ambit of the proposed Course Equivalence Scheme

1.3 As a special measure, if a student gets detained from the last batch of old Semester -Markspattern and has to study along with the first batch of new Semester (Credit) scheme at a time when the new batch is in its first year (during 2015-16), the following strategy may be adopted:

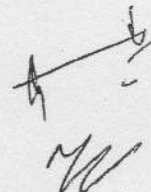
1.3.1 Such students may be totally absorbed into the new Semester (Credit) scheme and all the examination rules applicable for new scheme will be made applicable to them.

1.3.2 To achieve the same, such students should study the subjects of the old scheme in which they failed as well as the subjects which are not part of the old scheme but are part of the new scheme (may be called "bridge subjects"). Consequently, the marks of the subjects passed by the student in the old scheme must be converted into new scheme, i.e., credit system on pro-rata basis, carry the credits of the subjects passed under the new scheme and evolve a Marks Sheet as per the new Semester -Credit pattern. Thereon, the student will study all the remaining semesters as per the new Semester -Credit scheme.

- 1.3.3 The above is not applicable if a student gets detained from the last batch of old Semester -Marks pattern and has to study along with the first batch of new Semester -Credit pattern when the new batch is in its second year or higher year (2016-17 onwards), as the number of "bridge subjects" will be more, making the absorption difficult.

Item Number 1.4 to 1.9 are applicable for those students who come under the ambit of the Course Equivalence Scheme

- 1.4 The marks, nature of end evaluation, internal and end assessment, and attendance of such students (as pt. 1.1) for each subject undertaken shall be as per earlier course structure terminologies and syllabus following minimum academic requirements as per earlier academic regulations for which they were admitted in 2014-15
- 1.5 Results and score/mark sheets are to be issued to such students (as pt.1.1) as per format of the earlier course structure for which they were admitted and regulations as applicable to the student as per his/her year of admissions, on completion of all courses for a particular academic year.
- 1.6 The promotion of such students (as pt.1.1) from one academic year to the next shall be subject to passing of both the semesters in a particular academic year, as per regulations applicable to the student as per his/her year of admission. If the student fails to pass any semester, he/she shall be repeating concerned semester over the next academic year as per this 'Course Equivalence Scheme'. The results and score/mark sheets for such students shall be declared at the end of each academic semester.
- 1.7 Each subject to be completed by such students (as pt.1.1) as per earlier course structure is considered 'equivalent to a particular subject of the new course structure' as presented in following sections 1.9 Accordingly, the student shall attend the classes of the prescribed equivalent subject as given in Table 1.9.
- 1.8 Concerned subject teacher would be required to develop exclusive question papers for evaluation of such students.



Annexure I.A Table 1.9 COURSE EQUIVALENCE SCHEME (for such students as pt 1.1)

Approved by the Board of Studies on 16-12-2015

Semester	Sl	Subjects offered under OLD SYLLABUSs		Subjects offered under NEW SYLLABUS		Comments about Equivalency between OLD and NEW Syllabus	Remarks
		Name	Hrs.	Name	Hrs.		
I	i	Architectural Design I	6	Fundamental Architecture Studio - I	9	Equivalent	Equivalent
	ii	Building Construction I	5	Building Materials and Construction-I (BMC-I)	5	Partly covered under BMC – I (Module 1,2,3,5) and BMC –II (Module 1,2,3,5)	Student may be advised to study BMC – I (Module 1,2,3,5) Special class to be organised to complete the remaining part of the syllabus
	iii	Theory of Structures I	5			Module 1, 2 covered in Semester-II Module 3,4 Partly covered in semester III and partly covered in semester IV Module 5 covered in semester-II	Special class to be organised
	iv	Building Management	4	Landforms Survey & Analysis	4	Equivalent	Equivalent
	v	Mathematics	2	Applied Mathematics	2	Equivalent	Equivalent
	vi	Graphics I	6	Visual Representation	5	Equivalent	Equivalent
	vii	Computer Applications I	2			Subject Offered in 3rd Sem. as Elective-I	Equivalent Subject offered in 3rd Sem. as Elective-I – Student may be advised to attend the same

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	viii	Workshop	3	Model Making Workshop - I	3	Equivalent	Equivalent
	ix			Environmental Sciences	4		
	x			Guided Study	3		
	xi			Attendance	2		
II	i	Architectural Design II	9	Fundamental Architecture Studio - II	9	Equivalent	Equivalent
	ii	Theory of Design I	2			Offered in Semester VI as Theory of Architecture with vastly enhanced syllabus	Special class to be organised
	iii	Building Construction II	5	Building Materials and Construction - II	5	BMC - I (Module-3) BMC - III (Module 1,2,) BMC IV (Module 4)	Special class to be organised
	iv	Theory of Structures II	5	Introduction to Structures	5	Partly covered in semester II, III and partly covered in IV,V semesters	Special class to be organised for items not covered in Semester II
	v	Building Services I (Climatology)	2	Applied Climatology	2	Equivalent	Equivalent
	vi	Graphics II	3	Advanced Visual Representation	5	Equivalent	Equivalent
	vii	Computer Applications II	4			Offered in 4 th Sem	Equivalent Subject offered in 4 th Sem - Student may be advised to attend the same
	vii			Model Making Workshop - II	3		
	viii			History of Architecture & Human	3		

	ix			Guided Study	3		
	x			Attendance	2		
III	i	Architectural Design III	9	Architectural Design Studio: Residential	9	Equivalent	Equivalent
	ii	Building Construction III	5	Building Materials and Construction-III	5	BMC-III (Module 1,2,) BMC-IV (Module-2,4)	Student may be advised to study BMC-III (Module 1,2,) Special class to be organised for the remaining part
	iii	Theory of Structures III	5	Structural Mechanics	5	Partly covered in semester III, partly covered in IV, V semesters	Special class to be organised for items not covered in Semester III
	iv	Building Services II (Water Supply & Waste Management)	2	Lighting, Ventilation & Acoustics	3	To be studied under Water Supply and Sanitation offered in Semester-IV. Separate set of QP required	Special class to be organised
	v	History of Architecture I	2	History of Architecture & Human Settlements - Classical & early Medieval period	3	Special class to be organised	Special class to be organised
	vi	Theory of Settlements I	2			Special class to be organised	Special class to be organised
	vii	Art Appreciation I	2			To be studied in Semester-IV. However new set of QP required	Special class to be organised
	viii	Graphics III	3	Design Communication - I	3	Equivalent - Subject covered under Design Communication - 1	Equivalent
	ix			Elective - I (Skill-based)	3		

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	x			Guided Study	3		
	xi			Attendance	2		
IV	i	Architectural Design IV	9	Architectural Design Studio: Rural Context	9	Equivalent	Equivalent
	ii	Theory of Design II	2			Partially covered under Theory of Architecture in Semester VI with vastly enhanced syllabus	Special class to be organised
	iii	Building Construction IV	5	Building Materials and Construction -IV	5	Equivalent with Elective I B in Semester III, Addl drawing task to be given	Special class to be organised
	iv	Theory of Structures IV	5	Structural Analysis	5	Partly covered in semester III, partly covered in IV, V and VI semesters	Special class to be organised for items not covered in Semester IV
	v	Building Services III (Electrical Installations)	2	Water Supply & Sanitation	2	To be studied under Electrical, HVAC, Fire Safety and Building Automation – in Semester V, Extra class reqd. For Generation (Equip, PV cells, Wind energy etc)	Special class to be organised
	vi	History of Architecture II	2	History of Architecture & Human Settlements - High and Late medieval period	3	Special class to be organised	Special class to be organised
	vii	Art Appreciation II	2	Art Appreciation	3	Equivalent	Equivalent
	viii	Graphics IV	3			Could be studied under Design Communication – 1 Offered in Semester III	Special class to be organised
	ix			Computer Simulation & Modelling	4		
	x			Guided Study	3		
xi			Attendance	2			

V	i	Architectural Design V	9	Architectural Design Studio: Heritage Context	9	Equivalent	Equivalent
	ii	Theory of Design	2			Partly covered in Semester VI as Theory of Architecture.- with vastly enhanced syllabus	Special class to be organised
	iii	Building Construction V	5		5	BMC III (Module 4,5), BMC IV (Module (1,5)	Student may be advised to study BMC III (Module 4,5). Special class may be organised for the remaining part
	iv	Theory of Structures V	5	RCC Structures	5	Partly covered in semester IV, partly covered in IV,V and VI semesters	Special class to be organised for items not covered in Semester V
	v	Building Services IV (Lighting & Acoustics)	2	Electrical, HVAC, Fire Safety and Building Automation	2	Offered in III semester with enhanced syllabus.	Student may be advised to attend equivalent class offered Semester III
	vi	Building Management II (Specifications & Contracts)	3			Offered in VII semester with enhanced syllabus. Need to study Module 5	Student may be advised to attend Module V of course on Specifications and Estimation in Semester VII Special class to be organised for the remaining part
	vii	History of Architecture III	2	History of Architecture & Human Settlements - Late medieval & early modern architecture	3		Special class to be organised
	viii	Theory of Settlements II	2			Special class to be organised	Special class to be organised
	ix			Behavioural Architecture	3		
	x			Interior Architecture &	3		

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	xii			Working Drawings - I	5		
	xiii			Guided Study	3		
				Attendance	2		
VI	i	Architectural Design VI	9	Architectural Design Studio: Functionally Complex Buildings	9	Equivalent	Equivalent
	ii	Theory of Design	2	Theory of Architecture	2	Partly covered under Theory of Arch offered in Semester VI which has vastly enhanced syllabus	Special class to be organised for remaining part
	iii	Building Construction VI	5			BMC IV (Module 1,4,5) partly covers the subject. Extra classes needs to be conducted for completing the syllabus	Student may be advised to study BMC IV (Module 1,4,5). Special class to be organised for the remaining part
	iv	Theory of Structures VI	5	Steel Structures	5	Partly covered in semester IV, partly covered in IV,V and VI semesters	Special class to be organised for Items not covered in Semester VI
	v	Building Services V (Ventilation, Communications & Security Systems)	2			Partly covered in semester III, partly covered in IV,V and VI semesters	Special class to be organised

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VI	vi	Building Management III (Quantities and Estimation)	3			To be studied under Estimation, Costing and Specification offered in Semester -VII (Module 1,2, 3,4)	Special class to be organised	
	vii	History of Architecture IV	2	History of Architecture & Human Settlements - Modern and Post-Modern Era	3	Special class to be organised	Special class to be organised	
	viii	Theory of Settlements III	2			Special class to be organised	Special class to be organised	
	ix			Design Communication - II	3			
	x			Working Drawings - II	5			
	xi			Disaster Resilient Buildings	3			
	xii			Guided Study	3			
	xiii			Attendance	2			
	VII	i	Architectural Design VII	9	Architectural Design Studio: Housing	12	Equivalent	Equivalent
		ii	Building Construction VII (Working	3			Equivalent with Working Drawing - I offered in Semester V	Equivalent with Working Drawing - I offered in Semester V
		iii	Theory of Structures VII	4			Not offered the subject	This syllabus offered as elective subject Advanced building technology (elective IIE

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VII	iv	Integrated Energy Management	2			Special class to be organised	Special class to be organised
	v	Building Management IV (Building Economics)	2			Offered in Semester IX	Equivalent Subject Offered in Semester IX
	vi	Theory of Settlements IV	2			Special class to be organised	Special class to be organised
	vii			Estimation, Costing &	4		
	viii	Elective-I	2	Elective – II (Theory-based)	3	Equivalent (May study Introduction to Landscape Design offered in same semester)	
	ix	Seminar	4	Seminar	4	Equivalent	Equivalent
	x			Construction Project	4		
	xi			Introduction to Landscape Design	4		
	Xii			Attendance	2		
VIII	i	Project Report (Practical Training)		Professional Training		Equivalent	Equivalent
IX	I	Architectural Design IX	9	Architectural Design Studio:	12	Equivalent	Equivalent
	ii	UD Research Report		Introduction to Urban Design	4	Equivalent (May study Introduction to UD)	Equivalent - Student may be advised to study Introduction to UD and write report
	iii	Building Construction VIII	2			Offered as Elective II E in Semester VII	Equivalent Subject offered as Elective II E in Semester VII
	iv	Building Management V (Project)	2			Offered as Construction Project Management in Semester VII	Equivalent Subject offered as Construction Project Management in Semester VII

	v	Elective II		Elective – III (Theory-based)	3	Equivalent	Equivalent
	vi	Seminar	6	Dissertation	5	Equivalent (Dissertation)	Equivalent subject Dissertation
	ix			Building Economics	3		
	x			Architecture and Urbanism in Asia	3		
	xi			Attendance	2		
X	i	Architectural Design Thesis	9	Architectural Design Thesis	28	Equivalent	Equivalent
	ii	Thesis Book	3				
	iii	Technical Study	4				
	iv	Building Management (Professional Practice)	4	Professional Practice	4	Equivalent	Equivalent
	v	Elective III	2			Must take additional elective in previous semester	Student may be advised to take any additional elective in previous semester – from the pool of electives available in Architecture or Planning department
	vi			Attendance	2		

1.1 Through proper Architecture of Time-Tables, the Academic Year Coordinators and Department to ensure that while such students (as pt 1.1) shall be required to take some of their courses in classrooms which are different than their registered semester classroom (as per 2.4 above), in the process, he/she should not be missing any class/course pertaining to his old course structure, which is offered in his own registered semester classroom. The subject teacher of equivalent courses shall ensure through extra efforts that the assessments match the requirements of the old course structure.

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