शैक्षणिक विभाग
गणेशखिंड, पुणे–४११ ००७
दूरध्वनी क्र. : ०२०–२५६०१२५७/५८/५९
ई–मेल : boards@pun.unipune.ac.in
संकेतस्थळ : www.unipune.ac.in

सावित्रीबाई फुले पुणे विद्यापीठ
(पूर्वीचे पुणे विद्यापीठ)
Savitribai Phule Pune University
(Formerly University of Pune)

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संदर्भ क्र : CB|5रT|632

दिनांक : 04|07|2019

परिपत्रक क्रमांक. १४८ / २०१९

विषय :— विज्ञान व तंत्रज्ञान विद्याशाखेअंतर्गत वास्तुशास्त्र प्रथम वर्ष एम.आर्च (२०१९ पॅटर्न) चा सुधारित आराखडा व अभ्यासक्रम शैक्षणिक वर्ष २०१९–२० पासून सुरू करणेबाबत...
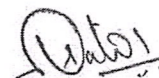
विद्यापीठ अधिकार मंडळाने घेतलेल्या निर्णयानुसार सर्व संबंधितांस या परिपत्रकाद्वारे कळविण्यात येते की, विज्ञान व तंत्रज्ञान विद्याशाखेअंतर्गत वास्तुशास्त्र प्रथम वर्ष एम.आर्च (२०१९ पॅटर्न) च्या खाली नमूद केलेल्या कोर्सेसचा सुधारित आराखडा व अभ्यासक्रम शैक्षणिक वर्ष २०१९–२० पासून सुरू करण्यास मान्यता देण्यात येत आहे.

1. M.Arch. [Architectural Conservation]
2. M.Arch. [Landscape Architecture]
3. M.Arch. [Digital Architecture]
4. M.Arch. [Computer Applications]
5. M.Arch. [Urban Design]
6. M.Arch. [Construction Management]
7. M.Arch. [Environmental Architecture]

सदर अभ्यासक्रम सावित्रीबाई फुले पुणे विद्यापीठाच्या www.unipune.ac.in या वेबसाईटवर Syllabi – Academic Year 2019 – Faculty of Science and Technology (Architecture) या शीर्षकाखाली उपलब्ध आहे.

मा. प्राचार्य, सर्व संलग्नित वास्तुशास्त्र महाविद्यालये यांना विनंती की, सदर परिपत्रकाचा आशय सर्व संबंधितांच्या निदर्शनास आणून द्यावा.

उपकुलसचिव
(शैक्षणिक विभाग)

ATTESTED

PRINCIPAL
Maratha Vidya Prasarak Samaj's
Sharadchandraji Pawar College Of Architecture, Nashik

Sharadchandraji
Pawar College of
Architecture
MARATHA VIDYA PRASARAK SAMAJ'S
NASHIK

SAVITRIBAI PHULE PUNE UNIVERSITY

(FORMERLY UNIVERSITY OF PUNE)

SYLLABUS FOR

MASTERS IN ARCHITECTURE M.ARCH (ENVIRONMENTAL ARCHITECTURE)

(To be implemented w.e.f. A.Y. 2019-20)

BOARD OF STUDIES IN ARCHITECTURE

FACULTY OF SCIENCE AND TECHNOLOGY

COURSE STRUCTURE

Semester I- M. Arch (Environmental Architecture)

Course Code	Course Title	Course Type	Contact Periods (60 mins)	Teaching Scheme			Examination Scheme				
				Th/Week	St/Week	Credits	SS	SV	Theory		Marks
									In Sem	End Sem	
2019EA101	Environmental Design Studio I	C1	10	2	8	10	-	400	Nil	Nil	400
2019EA102	Elective I	EL	3	2	1	3	100	Nil	Nil	Nil	100
2019EA103	Building Physics	C2	4	2	2	4	200	Nil	Nil	Nil	200
2019EA104	Environmental Law & Legislations	SP1	3	2	1	3	Nil	Nil	30	70	100
2019EA105	Natural Resource Management	SP2	3	2	1	3	Nil	Nil	30	70	100
2019EA106	Lighting Lab	L	2	1	1	2	100	Nil	Nil	Nil	100
			25	11	14	25					1000

Semester II- M. Arch (Environmental Architecture)

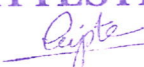| Course Code	Course Title	Course Type	Contact Periods (60 mins)	Teaching Scheme			Examination Scheme				
				Th/ Week	St/ Week	Cre dits	SS	SV	Theory		Marks
									In Sem	End Sem	
2019EA201	Environmental Design Studio II	C1	10	2	8	10	-	400	Nil	Nil	400
2019EA202	Elective II	EL	3	2	1	3	100	Nil	Nil	Nil	100
2019EA203	Tools for Measuring Sustainability	C2	4	2	2	4	200	Nil	Nil	Nil	200
2019EA204	Research I	SP1	3	2	1	3	Nil	Nil	30	70	100
2019EA205	Building Energy Management-I	SP2	3	2	1	3	Nil	Nil	30	70	100
2019EA206	Software Simulation Lab	L	2	1	1	2	100	Nil	Nil	Nil	100
			25	11	14	25					1000

Semester III - M. Arch (Environmental Architecture)

Course Code	Course Title	Course Type	Contact Periods (60 mins)	Teaching Scheme			Examination Scheme					
				Th/ Week	St/ Week	Cre dits	SS	SV	Theory		Marks	
									In Sem	End Sem		
2019EA301	Environmental Design Studio III	C1	10	2	8	10	-	400	Nil	Nil	400	
2019EA302	Research II	C2	3	2	1	3	100	Nil	Nil	Nil	100	
2019EA303	Core subject to include credits of Practical Training **	C3	4	2	2	4	-	200	Nil	Nil	200	
2019EA304	Sustainable Development & Environmental Management	SP1	3	2	1	3	Nil	Nil	30	70	100	
2019EA305	Building Energy Management-II	SP2	3	2	1	3	Nil	Nil	30	70	100	
2019EA306	Advanced Technology and Design Lab	L	2	1	1	2	100	Nil	Nil	Nil	100	
			25	11	14	25					1000	

** - This includes Professional Training (40 full working days) to be undertaken during intermediate time between II & III Semesters, details of which are mentioned in the detailed syllabus. The Oral Assessment of the same will be held at the end of Semester III. The subject is included as core subject and will have both sessional and viva assessment.

Semester IV - M. Arch (Environmental Architecture)

Course Code	Course Title	Course Type	Contact Periods (60 mins)	Teaching Scheme			Examination Scheme				
				Th/Week	St/Week	Credits	SS	SV	Theory		Marks
									In Sem	End Sem	
2019EA401	Environmental Architecture Project (Major)	C1	20	4	16	20	-	800	Nil	Nil	800
2019EA402	Elective III*	EL	5	1	4	5	200	Nil	Nil	Nil	200
			25	5	20	25					1000

*Elective III can be offered as an open elective. In case it is not possible to offer open elective colleges should offer any elective from the list of electives which the student has not undertaken in any previous semester.

SUBJECT TITLE: ELECTIVE–I				
Subject Code : 2019EA102				
Teaching Scheme		**Examination Scheme**	**Marks**	
Theory Periods per week	2	Sessional - SS	100	
Studio Periods per week	1	Viva/Oral - SV	Nil	
Total Contact Periods (60 min period) per week	3	In-semester Examination	Nil	
		End-semester Examination	Nil	
Total Credits	3	**Total Marks**	**100**	

OBJECTIVE:

To understand theories, concerns and values in the areas with respect to one of the following as per student's inclination and to develop awareness towards the same in reference to Environmental Design.

COURSE CONTENTS:

Unit 1: Individual college may offer the students one or more topics, depending upon the availability of experts and resource material. The colleges will have the opportunity to focus on one or more of the following topics:

1. Efficient Building Materials & Technologies
2. Carbon Footprint and Mapping
3. Global Trends in Sustainability and Outreach

Detailed syllabus for all topics will be finalized by individual college in consultation with expert faculty, considering the time and marks allotted to the subject.
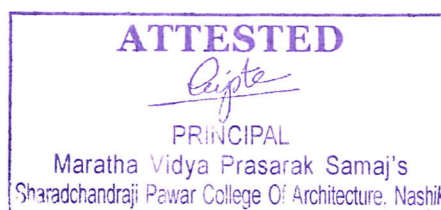
SESSIONAL/TERM WORK:

Assignment will be in the form of individual study of a topic related to any one of the subject based on availability of experts, which will be presented by the student in the form of an audio-visual presentation, report or any other means of presentation as per the subject requirement.

OUTCOME:
Students at the end of the semester should have learnt / understood the broad idea and concept inherent in the subject as well as its application and importance in the field of environment.

RECOMMENDED READINGS

All books/ Journals/ Magazines/ unpublished/published research/websites related to the topic selected by the individual student and institute and based on the subject experts.

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SUBJECT TITLE: ELECTIVE - II				
Subject Code : 2019EA202				
Teaching Scheme		**Examination Scheme**	**Marks**	
Theory Periods per week	2	Sessional	100	
Studio Periods per week	8	Viva/Oral	Nil	
Total Contact Periods (60 min period) per week	**10**	In-semester Examination	Nil	
		End-semester Examination	Nil	
Total Credits	**10**	**Total Marks**	**100**	

OBJECTIVE:

To understand theories, concerns and values in the areas with respect to one of the following as per student's inclination and to develop awareness towards the same in reference to Environmental Architecture.

COURSE CONTENTS:

Unit 1: Individual college may offer the students one or more topics, depending upon the availability of experts and resource material. The colleges will have the opportunity to focus on one or more of the following topics:

1. Environmental Behavior
2. Indoor Environmental Quality
3. Post Occupancy Evaluation and Techniques

Detailed syllabus for all topics will be finalized by individual college in consultation with expert faculty, considering the time and marks allotted to the subject.

SESSIONAL/TERM WORK:

Assignment will be in the form of individual study of a topic related to any one of the subject based on availability of experts, which will be presented by the student in the form of an audio-visual presentation and a report on the same.

OUTCOME:

Students at the end of the semester should have learnt / understood the broad idea and concept inherent in the subject as well as its application and importance in the field of environment.

RECOMMENDED READINGS

All books/ Journals/ Magazines/ unpublished/published research/websites related to the topic selected by the individual student.

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