

IK Gujral Punjab Technical University Kapurthala
Bachelor's of Architecture (B.Arch): Teaching Scheme 2019 (For Constituent Campus)

FIRST SEMESTER

Course Type	S. no	Course Code	Course Title	Load Allocations					Marks %	Credits	Duration of Univ. Exam/ Viva-Voce
				L	Sem/Tut	P/FW	Stu	Total	Int : Ext		
PC	1	UC/BARCH-101/19	Architectural Design & Theory-I	1	-	-	5	06	60:40	6	06 + External Viva Voce
	2	UC/BARCH-102/19	Architectural Drawing-I	1	-	-	3	04	60:40	4	03
	3	UC/BARCH-103/19	Architectural Graphics-I	1	-	-	2	03	60:40	3	03
	4	UC/BARCH-104/19	History of Architecture - I	2	-	-	-	02	40:60	2	03
BS &AE	5	UC/BARCH-105/19	Building Construction & Materials-I	1	-	-	4	05	60:40	5	03
	6	UC/BARCH-106/19	Structure Systems-I	1	1	-	-	02	100	2	No Exam only Internal Viva-Voce
SEC	7	UC/BARCH-107/19	Workshop-I	-	-	2	-	02	100	1	No Exam only Internal Viva-Voce
	8	UC/BTHU-101/18	Communicative English	2	-	-	-	02	40:60	2	03
	9	UC/BTHU-102/18	Communicative Skill Laboratory		-	2	-	02	100	1	No Exam only Viva-Voce
	10	UC/HSMC-122/18	Human Values and Professional Ethics	1	2	-	-	03	40:60	2	03
			Total	10	3	4	14	31		28	

Abbreviation Used in the teaching scheme

PC	Professional Core	L	Lecture
BS & AE	Building Science & Applied Engineering	Sem/Tut	Seminar/ Tutorial
PE	Professional Electives	P/FW	Practical/ Field Work
OE	Open Elective	Stu	Studio
PAECC	Professional Ability Enhancement Compulsory	Int	Internal
SEC	Skill Enhancement Courses	Ext	External

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				L	Sem/Tut	P/F W	Stu	Total	Int : Ext		
PC	1	UC/BARCH-201/19	Architectural Design -II	1	-	-	5	06	60:40	6	06 + External Viva Voce
	2	UC/BARCH-202/19	Architectural Drawing-II	1	-	-	3	04	60:40	4	03
	3	UC/BARCH-203/19	Architectural Graphics-II	1	-	-	2	03	60:40	3	03
	4	UC/BARCH-204/19	History of Architecture-II	2	-	-	-	02	40:60	2	03
BS &AE	5	UC/BARCH-205/19	Building Construction & Materials-II	1	-	-	4	05	60:40	05	03
	6	UC/BARCH-206/19	Theory of Structure- I	2	1	-	-	03	40:60	3	03
PAECC	7	UC/BARCH-207/19	Theory of Design- I	2	-	-	-	02	40:60	2	03
SEC	8	UC/BARCH-208/19	Workshop-II	-	-	2	-	02	100	1	No Exam only Internal Viva-Voce
	9	UC/BARCH-209/19	Environmental Science	2	-	-	-	02	40:60	2	03
	10	UC/BARCH-210/19	Mentoring & Professional Development- I	-	-	2	-	02	100	Non-Credit	No Exam
	11	_____	*Educational Tour I/ Summer Training-I/ Vacation Assignment-I	-	-	-	-	-	100	-	Evaluation will be done in 3rd sem
			Total	12	1	4	14	31		28	

*NOTES: Educational Tour of 1-2 week duration during or after the first year of studies must be undertaken and Summer Training/ Vacation assignment to be given based on UC/BARCH-209/19. The marking of the same will done in the third semester UC/BARCH-309/19

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Third Semester

Course Type	Sr. no	Course Code	Course Title	Load Allocations					Marks Int : Ext	Credits	Duration of Univ. Exam/ Viva-Voce
				L	Sem/ Tut	P/F W	Stu	Total			
PC	1	UC/BARCH-301/19	Architectural Design -III	1	-	-	5	06	60:40	6	06 + External Viva Voce
	2	UC/BARCH-302/19	Building Construction & Materials-III	1	-	-	3	04	60:40	4	04
BS &AE	3	UC/BARCH-303/19	Structure Systems-II	1	-	-	1	02	100	2	External Viva Voce
	4	UC/BARCH-304/19	Structure Design-I	2	2	-	-	04	40:60	3	03
	5	UC/BARCH-305/19	Surveying & Leveling	2	-	2	-	04	40:60	3	03
	6	UC/BARCH-306/19	Climate & Architecture-I	2	2	-	-	04	40:60	3	03
PAECC	7	UC/BARCH-307/19	Computer Application-I	1	-	2	-	03	100	2	External Viva Voce
SEC	8	UC/BARCH-308/19	* Educational Tour I/ Summer Training-I/ Vacation Assignment-I	-	-	-	-	-	100	1	-
			Total	11	4	4	11	27		24	

Note: * UC/BARCH-309/19 is carried out in the intervening period of 2nd and 3rd semester, the evaluation of report/s to be done in the 3rd semester.

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Fourth Semester

Course Type	Sr. no	Course Code	Course Title	Load Allocations					Marks	Credits	Duration of Univ. Exam/ Viva-Voce
				L	Sem/ Tut	P/F W	Stu	Total	Int : Ext		
PC	1	UC/BARCH-401/19	Architectural Design -IV	1	-	-	5	06	60:40	6	06 + External Viva Voce
	2	UC/BARCH-402/19	History of Architecture-III	2	-	-	-	02	40:60	2	03
BS &AE	3	UC/BARCH-403/19	Building Construction & Materials-IV	1	-	-	3	04	60:40	4	03
	4	UC/BARCH-404/19	Structure Design-II	2	2	-	-	04	40:60	4	03
	5	UC/BARCH-405/19	Building Services-I	2	1	-	-	03	40:60	3	03
PAECC	6	UC/BARCH-406/19	Climate & Architecture-II	2	1	-	-	03	40:60	3	03
SEC	7	UC/BARCH-407/19	Computer Application-II	1	-	2	-	03	60:40	2	External Viva Voce
	8	UC/BARCH-408/19	Mentoring and Professional Development-II	-	-	2	-	02	100:0	Non-Credit	No Exam
	9	UC/BARCH-409/19	Constitutional Law	2	-	-	-	02	40:60	2	03
	10	_____	*Education Tour II / Summer Training II /Vacation Assignment II	-	-	-	-	-	-	-	The evaluation will be done in 5 th sem
			Total	13	4	4	8	29		26	

*NOTES: Educational Tour of 1-2 week duration during or after the IInd year of studies (as a measure drawing /Documentation Camp) should be undertaken and Summer Training/ Vacation assignment to be given based on UC/BARCH-408/19. The marking of the same will done in the fifth semester UC/BARCH-518/1

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Fifth Semester

Course Type	Sr. no	Course Code	Course Title	Load Allocations					Marks	Credits	Duration of Univ. Exam/ Viva-Voce
				L	Sem/Tut	P/F W	Stu	Total			
PC	1	UC/BARCH-501/19	Architectural Design -V	1	-	-	5	06	60:40	6	12 (in 2 days) + External Viva Voce
BS &AE	2	UC/BARCH-502/19	Building Construction & Materials-V	1	-	-	3	04	60:40	4	03
	3	UC/BARCH-503/19	Structure Systems-III	1	1	-	-	02	60:40	2	External Viva Voce
	4	UC/BARCH-504/19	Structure Design-III	2	2	-	-	04	40:60	4	03
	5	UC/BARCH-505/19	Building Services-II	2	1	-	-	03	40:60	3	03
PAECC	6	UC/BARCH-506/19	Theory of Design-II	2	1	-	-	03	40:60	3	03
	7	UC/BARCH-507/19	Landscape Architecture	2	1	-	-	03	40:60	3	03
PE	8	UC/BARCH/ /508 (A) - 508 (E) /19	Elective- I / MooC	2	1	-	-	03	40:60	3	03
OE	9	UC/BARCH/ /509 (A) - 509 (E) /19	Open Elective- I /MooC	2	-	-	-	02	40:60	2	03
SEC	10	UC/BARCH-510/19	*Educational Tour II/ Summer Training-II/ Vacation Assignment-II	-	-	-	-	-	100	1	No Exam
			Total	15	7		8	30		31	

Note: * UC/BARCH-510/19 is carried out in the intervening period of 4th and 5th semester, the evaluation of report to be done in the 5th semester.

Elective- I (Choose any one from the given choices)

- UC/BARCH/ /508 (A) Green Buildings & Rating System
- UC/BARCH/ /508 (B) Hill Architecture
- UC/BARCH/ /508 (C) Emerging Technologies in Architecture
- UC/BARCH/ /508 (D) Product Design
- UC/BARCH/ /508 (E) Architecture Acoustics

Open Elective-I (Choose any one from the given choices)

- UC/BARCH/ /509 (A) Sociology for Architects / Fundamentals of Sociology
- UC/BARCH/ /509 (B) Health Education- I
- UC/BARCH/ /509 (C) Music (Vocal, Instrumental),
- UC/BARCH/ /509 (D) Laser/ Printing Technology
- UC/BARCH/ /509 (E) Creative Writing
- UC/BARCH/MOOC 509 (F - O) (Ref MOOC Table)

UC/BARCH/PE/MOOC508(F - O) (Ref MOOC Table)

Sixth Semester

Course Type	Sr.no	Course Code	Course Title	Load Allocations					Marks	Credits	Duration of Univ. Exam/ Viva-Voce
				L	Sem/ Tut	P/F W	Stu	Total	Int : Ext		
PC	1	UC/BARCH-601/19	Architectural Design -VI	1	-	-	5	06	60:40	6	12 (in 2 days) + External Viva Voce
	2	UC/BARCH-602/19	History of Architecture-IV	2	-	-	-	02	40:60	2	03
	3	UC/BARCH-603/19	Estimating Costing & Specifications	2	1	-	-	03	40:60	3	03
	4	UC/BARCH-604/19	Architecture Legislation	2	-	-	-	02	40:60	2	03
BS &AE	5	UC/BARCH-605/19	Building Construction & Materials-VI	1	-	-	3	04	60:40	4	03
	6	UC/BARCH-606/19	Structure Design (Project) -IV	1	-	-	3	04	40:60	4	03
	7	UC/BARCH-607/19	Building Services-III	2	-	-	-	02	40:60	2	03
PAECC	8	UC/BARCH-608/19	Climate & Architecture (Sustainable Design) -III	2	-	-	-	02	40:60	2	03
PE	9	UC/BARCH-609 (A) - 609 (E)/19	Elective- II	2	1	-	-	03	40:60	3	03
OE	10	UC/BARCH-610(A) - 610 (E)/19	Open Elective- II/Mooc Swayam	2	-	-	-	02	40:60	2	03
SEC	11	UC/BARCH-611/19	Mentoring and Professional Development-III	2	-	-	-	02	100	Non-Credit	No Exam
			Total	20	4		8	32		30	

Elective- II (Choose any one from the given choices)

- UC/BARCH-609 (A) Sustainable Cities & Communities
- UC/BARCH-609 (B) Vernacular / Rural / Indigenous Architecture/ Mud Arch
- UC/BARCH-609 (C) Architecture Conservation/ Restoration and Preservation
- UC/BARCH-609 (D) Furniture Design

Open Elective-II (Choose any one from the given choices)

- UC/BARCH-610(A) Psychology for Architects
- UC/BARCH-610(B) Health Education- II
- UC/BARCH-610(C) Dance forms (any form)
- UC/BARCH-610(D) Web designing Management

UC/BARCH-609 (E)

Lighting and Illumination/ Lighting Design

UC/BARCH-610(E)
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Advanced HVAC & Design for Fire

UC/BARCH/MOOC
610 (F - O) (Ref
MOOC Table)

UC/BARCH/PE/MOOC
609(F - O)

(Ref MOOC Table)

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