

A Doctoral Committee for every student, shall be formed as proposed by the Supervisor in consultation with the Head of the department and approved by The CASR (Committee for Advanced Studies & Research) on recommendation of the BPGS. The Doctoral Committee should meet from time to time at the request of the Supervisor to review the progress of the student.

The student shall submit a research proposal to the Doctoral Committee which shall examine the proposal and recommend it for the approval of the CASR through the Head of the department.

To qualify for the degree a student must earn a minimum grade point of 2.75 based on the weighted average in his/her course work.

The date and time of the comprehensive examination shall be fixed by the Doctoral Committee on the request of the Supervisor. Comprehensive Examination shall ordinarily be held after the completion of the course work by the student. The comprehensive examination shall comprise a written examination and/or an oral examination to test the knowledge of the student in his field of study. The Doctoral Committee shall conduct the comprehensive examination. If a student fails to qualify in a comprehensive examination he shall be given one more chance to appear in the examination as scheduled by the Doctoral Committee.

At the end of the student's research work the student shall submit a thesis which must be an original contribution to architecture/engineering/sciences and worthy of publication.

An Examination Board for every student for thesis and oral examination shall consist of the Doctoral Committee and one or more external examiners to be appointed by the CASR on recommendation of the thesis Supervisor in consultation with the Head of the department. At least one external examiner shall be appointed from outside the University. If the external examiner is appointed from outside the country a copy of the thesis may be sent to him for his evaluation and his written opinion. The Board shall consist of at least six members including the Head of the Department and the Supervisor. For additional information see Ordinance for Ph.D. Programme in BUET website.

DOCTORAL COMMITTEE

RESEARCH TOPIC

COURSE WORK

COMPREHENSIVE EXAMINATION

THESIS

EXAMINATION BOARD



Postgraduate courses in Architecture are offered in four major areas. Each course is of 3 credits, two hours of theory and three-hour sessional per week. Students may choose courses from any stream and /or from the special topics.

Course No.	Course title	Credits
6100	ENERGY AND ENVIRONMENT	
ARCH 6101	Thermal Environment and Built Form	3
ARCH 6102	Sonic Environment and Built Form	3
ARCH 6103	Luminous Environment and Built Form	3
ARCH 6104	Bioclimatic Design	3
ARCH 6105	Environmental Design in Tropical Cities	3
ARCH 6106	Ecosystem and Built Environment Design	3
ARCH 6107	Green Architecture and Sustainability	3
ARCH 6108	Daylighting	3
6200	HISTORY, THEORY AND CRITICISM	
ARCH 6201	Architecture of Bengal	3
ARCH 6202	Architecture, Theory and Criticism	3
6300	HUMAN SETTLEMENT	
ARCH 6301	Housing Problems and Policies	3
ARCH 6302	Housing Finance	3
ARCH 6303	Domestic Architecture	3
ARCH 6304	Multi-Ownership Housing	3
ARCH 6305	Informal Sector Housing	3
ARCH 6306	Human Settlement & Development Issues	3
ARCH 6307	Urbanism & Housing in Developing Countries	3
ARCH 6308	Rural Housing in the Changing Context	3
6400	URBAN DESIGN	
ARCH 6401	Theories of Urban Design	3
ARCH 6402	Urban System	3
ARCH 6403	Urban Morphology I	3
ARCH 6404	Urban Design Practices	3
ARCH 6405	Urban Retail Environment	3
6900	SPECIAL TOPICS	
ARCH 6901	Analytic Methods	3
ARCH 6902	Health-care Planning	3
ARCH 6903	Hearth Facilities: Planning and Design	3
ARCH 6904	Safety and Security in Buildings	3
ARCH 6905	Educational Facilities: Planning and Design	3

MAJOR STREAMS / SPECIAL TOPICS 4.4



4.5 COURSE CONTENT

ARCH 6101 Thermal Environment and Built-Form 3.00 Credits. 5 Hrs/Wk

ENERGY AND ENVIRONMENT STREAM

Interaction between Man, Climate and Architecture; understanding of theory and practice of climate responsive design. Design of buildings with respect to thermal comfort without the assistance of mechanical means, use of energy in buildings versus mechanical means. People's response to thermal environment. Fundamental physical principles with respect to buildings interaction with climate, and architectural design possibilities, modification of climate through thermal design. Quantitative and qualitative assessment of indoor environment in relation to heat gain or loss, ventilation and air movement, determination of comfort level and to design buildings as climate modifiers. Study of specific buildings for environmental performance evaluation.

ARCH 6102 Sonic Environment and Built-Form 3.00 Credits. 5 Hrs/Wk

Physiological and psychological effects of the sonic environment; Determinants of the sonic environment; the sonic quantities; Octave Band Analysis, Measuring techniques; Sonic environmental design criteria; Sonic environment evaluation; Acoustic characteristics of materials. Behaviour of sound in enclosed spaces with emphases on architectural acoustics design: Geometrical and statistical methods of study; Designing rooms for speech and music; Designing auditoriums, cinema halls, recording studios, lecture halls, class-rooms, multi-purpose spaces; Sound reinforcing systems; Noise and the built environment; Noise control in spaces, External noise.

