

AR 15602 BULIDING CODES AND BYELAWS (3-0-0-0) CR-03

Module I

Introduction to building codes and norms; Need and nature of building codes, standards and regulations, overview of basic terminologies, nature of building codes in special regions like heritage zones, air tunnels, environmentally sensitive zones, disaster prone regions, coastal zones, hilly areas etc , Study of building regulations: Overview of administrative processes for obtaining building permits at various stages, General land use, building classifications and permissible uses, norms for exterior and interior open spaces, setbacks and margins, norms for building projections in open spaces, considerations in FAR, guidelines for open green areas

Module II

Norms for Vehicular Areas: Means of access, norms for access widths for various types of buildings, requirements of parking spaces, standards for turning radius, access to service areas, Norms for fire protection: Overview of fire protection norms for various building classifications, norms for fire exit ways and building materials, concept of fire zoning, doorways, stairways, passages and corridors, fire escapes etc

Module III

Norms for building services: Norms for lighting and ventilation, Introduction to basic terminologies, components of daylight factor, general principles of opening for good lighting, considerations in artificial lighting, general principles for natural and mechanical ventilation, overview of norms for acoustical and electrical installations

Module IV

Requirements for parts of buildings: Plinth, Habitable rooms, kitchen, wet areas, mezzanine. store rooms, elevated parts like chimneys, parapets etc, Introduction to local building byelaws: Study of local administrative provisions for obtaining building permits, architecture control and provision of building services, regulations for super structures, building height regulations, regulations for multi-storied buildings etc

Reference Books

1. Buch N Mahesh Planning the Indian city
2. Chand Mahesh and Puri Vinay Kumar Regional Planning in India Allied Pub. Ltd Bombay 1990
3. Gallion B Arthur and Eisner Simon Urban Pattern City Planning and Design 5th ed Van Nostrand Reinhold New York 1986
4. Khosla RK Urban and Rural development in India Delhi Indian Publishers and Distributors
5. Patterson T William Land use planning technique of implementation
6. Rangawala SC and Others Town Planning 18th ed Charotar Pub. House Anand 2003
7. Singh Alok Kumar and Others (ed) Strategies in Development Planning
8. Indian Standards Institution National Building Code of India 1983, Indian Standard
9. Institutions New Delhi 1984
10. Scott G James Architectural Building Codes New York Van Strand Reinhold

VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY, BURLA

Semester: 6th

LESSON PLAN

Subject BUILDING CODES & BYE-LAWS

Session: Jan 2017 – May 2017

Theory / ~~Sessional~~

Branch/Course: Architecture

Name of the Faculty Member: **Ar.Sanchari Kar**

Period	Module/Number	Topic to be covered	Remarks/ Sign. of Faculty Member
02	1	Introduction to building codes and norms;	Market study and Collection of material samples and catalogs.
03		overview of basic terminologies, nature of building codes in special regions like heritage zones, air tunnels	
04		overview of basic terminologies, nature of building codes in environmentally sensitive zones, disaster prone regions, coastal zones, hilly areas etc ,	
05		Study of building regulations: Overview of administrative processes for obtaining building permits at various stages,	
06		General land use, building classifications and permissible uses,	
07		Norms for exterior and interior open spaces,	
08		setbacks and margins, norms for building projections in open spaces, considerations in FAR, guidelines for open green areas	
09	2	Norms for Vehicular Areas: Means of access, norms for access widths for various types of buildings,	
10		Norms for Vehicular Areas: norms for access widths for various types of buildings,	
11		requirements of parking spaces, standards for turning radius, access to service areas,	
12		Norms for fire protection: Overview of fire protection norms for various building classifications,	
13		norms for fire exit ways and building materials,	
14		concept of fire zoning, doorways, stairways, passages and corridors, fireescapes etc	
15	3	Norms for building services: Norms for lighting and ventilation,	
16		Introduction to basic terminologies, components of daylight factor	
17		general principles of opening for good lighting, considerations in artificial lighting,	
18		general principles for natural and mechanical ventilation,	
19		overview of norms for acoustical and electrical installations	
20	4	Requirements for parts of buildings: wet areas, mezzanine. store rooms,	
21		Requirements for parts of buildings: Plinth, Habitable rooms, kitchen, wet areas, mezzanine. store rooms,	

22		elevated parts like chimneys, parapets etc, buildings etc	
23		Introduction to local building byelaws: Study of local administrative provisions for obtaining building permits,	
24		architecture control and provision of building services,	
25		regulations for super structures	
26		building height regulations, regulations for multi-storied	

Signature of the Faculty Member :

Date:

Counter Signature of H.O.D.