

INSTITUTE OF ARCHITECTURE and PLANNING
NIRMA UNIVERSITY

TEACHING AND EXAMINATION SCHEME FOR SEMESTER III - 2025-26 onwards

Name of the Programme: Bachelor of Architecture

<u>SEMESTER III</u>	
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Course Code	Name of the Course	Teaching Scheme					Scheme of Examination		
		Hours/Week			Credit	Hours	Component Weightage		
		L	W	S	C	SEE	CE	LPW	SEE

CORE COURSES	
ENGL 101	ENGL 102
ENGL 103	ENGL 104
ENGL 105	ENGL 106
ENGL 107	ENGL 108
ENGL 109	ENGL 110
ENGL 111	ENGL 112
ENGL 113	ENGL 114
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2AA101CC25	Architectural Design Studio - III	-	-	12	12	-	0.5	0.5	-
2AA102CC26	History & Theory -II: Western Art, Architecture & Design	2	-	-	2	3	0.25	0.25	0.5
2AA201CC26	Building Construction & Technology - III	2	2	-	4	3	0.25	0.25	0.5
2AA401CC25	Architectural Graphics Skills & Representation- III	1	2	-	3	-	0.5	0.5	-
2AA202CC26	Structure - III	1	2	-	3	3	0.25	0.25	0.5
2AA203CC26	Environmental Science & Services - I	1	1	-	2	3	0.25	0.25	0.5
1MU803CC25	Indian Constitution and Citizenship	2	1	-	3	-	0.5	-	0.5
2AA901PE24	Related Study Programme - II#	-	-	-	3#	-	-	1	-
Total		9	8	12	29/ 32#				

The Students have to complete 3 Related Study Programme (RSP) & 1 Field studio in the Entire Duration of B.Arch Programme. The students have to complete 2 RSPs up to Semester-VII & Remaining 1 RSP up to Semester X, The Students have to complete 1 Field Studio between Semester VI to X & Credit of RSP/FS will be given accordingly.

SUPPLEMENTARY COURSES/ VALUE ADDED COURSES	
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Course Code	Course Name	L	W	S	C	SEE	CE	LPW	SEE
OAA023VA24	Social Work/NSS-II	-	2	-	-	-	-	1	-

L: Lecture T: Tutorial P: Practical W: Workshop S: Studio C: Credit

CE: Continuous Evaluation, LPW: Lab/Project/Studio Work, SEE: Semester End Examination

University Elective Courses:

NIRMA UNIVERSITY

Institute:	Institute of Architecture and Planning
Name of Programme:	Bachelor of Architecture
Course Code:	2AA101CC25
Course Title:	Architectural Design Studio - III
Course Type:	Core
Year of introduction:	2024

L	T	Practical component				C
		LPW	PW	W	S	
-	-	-	-	-	12	12

Course Learning Outcomes (CLO):

At the end of the course, students will be able to -

- Demonstrate the interrelationship between the fundamental aspects of architecture [BL2]
- Develop the contextually appropriate design concept to express materiality. [BL6]
- Create, from the above exercise, into design, construction for manmade proposal. [BL6]

Content: 15 weeks (12 hours/week)

Total Teaching hours: 180 Hrs

Unit	Content	Teaching hours
Unit-I	Preparatory exercises/ Programmatic and site analysis – • Part – Whole relationship – Back and forth design processes • Exposure to materials, products, assembly constructional principles. • Site Analysis – Site location or context (Inside city/outside city), Culture and Socio-economic condition, Climate and Topography, Built/open relation, Distribution of open space/green space • Design processes as an understanding of expression of and establishing relationship with built-environment	30 hours
Unit-II	Conceptual stage and Schematic design – • Explore the relationship between ‘order of structure’ and ‘order of space’. Structure is one of the important factors directly affecting the experience of space. • Explore the importance of coherence between the rhythms of structure and space.	47 hours
Unit-III	Preliminary design to Design development – • Understand the relation between various scales of space, forming a rhythm. • Create a coherent experience, for working with dimensional order. • Application to know dynamics between different kinds of forces and material properties, which play an important role in constructing structures. • Correlation between material, structure and form	65 hours
Unit-IV	Design Resolution with Synthesis of design parameters – • Explore the light as an animator of static space, and its influence on	38 hours

	the experience of space. • Explore the ways of taking different kinds of light to enrich the experience. • Assimilating space, structure, enclosure, openings, in-side-outside relationships, etc. for creating design project	
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Self Study:

Suggested List of

Experiments:

Suggested Case List:

Suggested Readings/
References:

1. Ching, Francis D. K. Architecture--form, Space, & Order. Hoboken, NJ: John Wiley & Sons, 2007. Print.
2. Pollio, Vitruvius, and M. H. Morgan. Vitruvius: The Ten Books on Architecture. New York: Dover Publications, 1960. Print.
3. Ching, Francis D. K. Architecture, Form, Space & Order. New York: Van Nostrand Reinhold, 1979. Print.
4. Curtis, Nathaniel Cortlandt. Architectural Composition. Cleveland, O.: J.H. Jansen, 1923. Print.
5. Hardy, Adam. Indian Temple Architecture: Form and Transformation: The Kaṛṇāṭa Drāviḍa Tradition, 7th to 13th Centuries. New Delhi: Indira Gandhi National Centre for the Arts, 1995. Print.
6. Dodds, George, Robert Tavernor, and Joseph Rykwert. Body and Building: Essays on the Changing Relation of Body and Architecture. Cambridge, MA: MIT, 2002. Print.
7. Ching, Francis D. K., Barry Onouye, and Douglas Zuberbuhler. Building Structures Illustrated. Print.
8. Field, M. City Architecture; Or, Designs for Dwelling Houses, Stores, Hotels, Etc. In 20 Plates. With Descriptions and an Essay on the Principles of Design. New-York: D. Appleton, 1854. Print.
9. Yacobi, Haim. Constructing a Sense of Place: Architecture and the Zionist Discourse. Aldershot, Hants, England: Ashgate, 2004. Print.
10. Johnson, Paul-Alan. The Theory of Architecture: Concepts, Themes & Practices. New York: Van Nostrand Reinhold, 1994. Print.
11. Corbusier, Le, and Frederick Etchells. Towards a New Architecture by Le Corbusier. London: Architectural Pr., 1965. Print.
12. Allen, Edward. How Buildings Work: The Natural Order of Architecture. New York: Oxford UP, 1980. Print.
13. Pallasmaa, Juhani. The Thinking Hand: Existential and Embodied Wisdom in Architecture. Chichester, U.K.: Wiley, 2010. Print.
14. Rich, Peter Maurice., and Yvonne Dean. Principles of Element Design. Oxford: Aechitectural, 1999. Print.
15. Kostof, Spiro. A History of Architecture: Settings and Rituals. New York: Oxford UP, 1985. Print.
16. Wittkower, Rudolf. Architectural Principles in the Age of Humanism. New York: W.W. Norton, 1971. Print.
17. Corbusier, Le, Stanislaus Von. Moos, Arthur Rüegg, and Robert Venturi. Le Corbusier before Le Corbusier: Applied Arts, Architecture, Interiors, Painting, and Photography, 1907-1922: Exhibition Guide. New York: Bard Graduate Center for Studies in the Decorative Arts, Design, and Culture, 2002. Print.

NIRMA UNIVERSITY

Institute:	Institute of Architecture and Planning
Name of Programme:	Bachelor of Architecture
Course Code:	2AA102CC26
Course Title:	History & Theory – II: Western Art, Architecture & Design
Course Type:	Core
Year of introduction:	2024

L	T	Practical component				C
		LPW	PW	W	S	
2	-	-	-	-	-	2

Course Learning Outcomes (CLO):

At the end of the course, students will be able to -

- Demonstrate the understanding of architecture and urban form in settlements of medieval period [BL2]
- Analyse the processes and causes that led to the creation of the architecture of an era [BL4]
- Interpret the impact of factors that shape architecture within a culture [BL5]
- Assess the impact of technology on the architecture [BL5]

Content: 15 weeks (2 hours/week)

Total Teaching hours: 30 Hrs

Unit	Content	Teaching hours
Unit-I	Early Christian Architecture – Emergence of early Christian architecture towards the end and the fall of Roman empire and its development into Byzantine architecture	4 hours
Unit-II	Romanesque & Byzantine – Romanesque & Byzantine Architecture as the evolution of artisanal craft and structural principal	4 hours
Unit-III	Gothic – The progress of technology, civilization and philosophy to create the architecture of the Gothic era	4 hours
Unit-IV	Renaissance – Renaissance in Europe. Early renaissance to high renaissance. Urban structure and space, institute form as expression of abstract ideals (work of architects like Brunelleschi, Bramante, Michael Angelo etc.)	6 hours

Unit-V	Baroque and Rococo – • Mannerism/ Late Renaissance as influenced by and a reaction to the ideals of the Renaissance architecture continuing to develop into Baroque and Rococo	4 hours
Unit-VI	● Industrial Revolution – ● Enlightenment (the age of reason) and the French revolution ● Industrial revolution as a socio-economic paradigm shift ● The industrial city and evolution of reform movements ● Impact of new materials, building techniques and industrial processes on architecture and aesthetics ● Architectural styles: Neo Classical, Gothic Revival , Art Nouveau, etc ● Brief upon works of Etienne Boullée, Nicolas Ledoux, Joseph Paxton, Viollet-le-Duc, Louis Sullivan, Antonio Gaudi, Henri Labrouste, etc	4 Hours

Self Study:

Suggested List of

Experiments:

Suggested Case

List:

Suggested

Readings/

References:

1. Lowry.B.(1987). Renaissance architecture. New York: Braziller.
2. Wittkower.R.(1998). Architectural principles in the age of humanism. Chichester, West Sussex Academy Editions
3. V.I.Atroshenko and Judith Collins, 1985, The Origins of the Romanesque. (Lund Humphries, London
4. Fletcher, 1987. Banister. Sir Banister Fletcher's A History of Architecture. London: Butterworths.
5. Kostof. Spiro. 1985. A History of Architecture: Setting and Rituals. New York: Oxford UP.
6. Joachim E. Gaehde. 1989. "Pre-Romanesque Art". Dictionary of the Middle Ages
7. Tadgell, Christopher. A History of Architecture. London: Ellipsis, 2000.
8. Ching, Francis D.K. Mark Jarzombek and Vikramaditya Prakash. 2007. A Global History of Architecture. Hoboken, NJ: J. Wiley & Sons.
9. Ward, John B. 1979. History of World Architecture. London: Faber. Print
10. Norberg-Schulz, Christian and Pier Luigi Nervi. 1971. History of World Architecture. New York: Abrams.
11. Bagenal, Philip. 1980 The Illustrated Atlas of the World's Great Buildings: A History of World Architecture. S.I.: Leisure.
12. Fazio, Michael W., Marian Moffett, Lawrence Wodehouse, and Marian Moffett. 2008. A World History of Architecture Boston: McGraw-Hill.
13. Browne, Edith A. 2005. Romanesque Architecture. Kessinger Publishing
14. Graber, O.1980. "Kubbat al-Sakhra". In Bosworth, C.E.; van Donzel, E.; Lewis, B.; et al. The Encyclopedia of Islam, Volume 2, Part -1 (new ed.). Leiden: E.J.Brill.
15. Hillenbrand, Robert 1994. Islamic Architecture: Form, Function, and Meaning. New-York: Columbia University Press.
16. Willis, R. 1835. Remarks on the Architecture of the Middle Ages, Especially of Italy. Cambridge: The Pitt Press.
17. Moffett, Marian; Fazio, Michael W.; Wodehouse, Lawrence 2003. A World History of Architecture (illustrated ed.). London: Laurence King Publishing.

18. Krautheimer, Richard. 1986. Early Christian and Byzantine Architecture (4 ed.). Yale University Press
19. Jones. Tom Devonshire; Murray, Linda; Murray. Peter, eds. 2013. The Oxford Dictionary of Christian Art and Architecture (illustrated ed.) Oxford University Press.
20. Braun, Hugh, An Introduction to English Mediaeval Architecture, London: Faber and Faber. 1951.
21. Watkin, David. Sep 2005. A History of Western Architecture, Hali Publications
22. Kubach, Hans Erich: Romanesque Architecture, 1988.

NIRMA UNIVERSITY

Institute:	Institute of Architecture and Planning
Name of Programme:	Bachelor of Architecture
Course Code:	2AA201CC26
Course Title:	Building Construction & Technology - III
Course Type:	Core
Year of introduction:	

L	T	Practical component				C
		LPW	PW	W	S	
2	-	-	-	2	-	4

Course Learning Outcomes (CLO):

At the end of the course, students will be able to -

- Demonstrate basic principles for planning, design and construction of Floors, RCC frame structure and Openings as used in buildings. **[BL2]**
- Apply requirement and criteria for making openings to build openings with various materials and techniques. **[BL3]**
- Appraise the principles of spanning system and their application. **[BL5]**

Content: 15 weeks (4 hours/week)

Total Teaching hours: 60 Hrs

Unit	Content	Teaching hours
Unit-I	• Steel Joist & Stone or Precast Concrete Floors; Jack Arch Floors, RCC Floors, Ribbed or Hollow Tiled Flooring, Filler Joist Floors, Precast Concrete Floors, Metal Deck Floors • Introduction to RCC Framed Structure: Understanding construction of RCC Frame structure with all components like footing, columns, beams, slabs, infill walls etc.	16 hours
Unit-II	• Temporary structures such as shoring, underpinning, strutting, formwork, scaffolding, etc.	12 hours
Unit-III	• Doors & Windows: Understanding requirements, use and Construction of openings (doors & windows) with timber, metal, PVC etc. • Components, assembly and manufacturing of doors and windows based on material and system. Components, assembly and manufacturing of doors and windows based on material and system. Planning and design criteria related to openings	16 hours
Unit-IV	• Manual Vertical Transportation Systems: Types of Stairs, ramps; associated requirements and functional requirements & Functional aspects. Design & Construction details of Staircase in RCC, Steel, Wood etc. Basic Codes and Standards of practice	16 hours

Self Study:

Suggested List

of Experiments:

Suggested Case

List:

Suggested

1. Kotadiya A. S.. Building Construction. : Mahajan Publishing, 2014

Readings/
References:

2. Barry, R. Construction of Buildings Vol - 3: Single Storey Frames, Shells and Lightweight Coverings. New Delhi: Affiliated East-West Press Pvt. Ltd., 1999
3. Barry, R. Construction of Buildings Vol - 4: Multi-Storey Buildings, Foundation and Substructures, Structural Steel Frames, External Walls and Cladding of Framed Buildings. New Delhi: Affiliated East-West Press Pvt. Ltd., 1999
4. Barry, R.. Construction of Buildings Vol - 1: Foundations and Oversite Concrete, Walls, Floors, Roofs. New Delhi: Affiliated East-West Press Pvt. Ltd., 1999
5. Barry, R.. Construction of Buildings Vol - 2: Windows, Doors, Fibers, Stairs Finishes. New Delhi: Affiliated East-West Press Pvt. Ltd., 1999
6. Levy, Matthys. Why Buildings Fall Down: How Structures Fail. New York: W. W. Norton and Co., 2002
7. McKay J. K.. Building Construction Vol - 2: Metric. Delhi: Pearson Education Asia Pte. Ltd., 2014
8. McKay, J. K.. Building Construction Vol - 3: Metric. Delhi: Pearson Education Pte. Ltd., 2013
9. McKay, J. K.. Building Construction Vol - 4: Metric. Delhi: Pearson Education Pte. Ltd., 2013
10. Mckay, W. B.. Building Construction Vol - 1: Metric. New Delhi: Pearson Education Asia Pvt. Ltd.; India, 2013
11. Rangawala, S. C.. Building Construction. Anand: Charotar Publishing House, 2014
12. Rangwala, S. C.. Surveying and Leveling. Anand: Charotar Publishing House, 2011

NIRMA UNIVERSITY

Institute:	Institute of Architecture and Planning
Name of Programme:	Bachelor of Architecture
Course Code:	2AA401CC25
Course Title:	Architectural Graphic Skills & Representation– III
Course Type:	Core
Year of introduction:	2024

Credit Scheme

L	T	Practical component				C
		LPW	PW	W	S	
1	-	-	-	2	-	3

Course Learning Outcomes (CLO):

At the end of the course, students will be able to -

- Illustrate Complex Forms using 3D modelling software and transform them into physical models. **[BL2]**
- Create Visualizations and Presentations of complex design forms. **[BL6]**
- Appraise the idea of compiling architectural work effectively. **[BL5]**

Content: 15 weeks (3 hours/week)

Total Teaching hours: 45 Hrs

Unit	Content	Teaching hours
Unit-I	Understanding a complex forms & Surfaces – • Understand and learn Loft, sweep, Doubly curved surfaces etc in the digital modelling software • Interpenetrations of Solids (Interpenetrations of Flat & Curved Surfaces, Interpenetrations of solid forms) • Multiple Section Method (Digital model, Physical model & Drawings)	12 hours
Unit-II	Application of Multiple Section Method (Digital model, Physical model & Drawings)	21 hours
Unit-III	Allied Techniques • Exploring the ideas of rendering, composing and compiling architectural work	12 hours

Self Study:

Suggested List of Experiments:

Suggested Case List:

Suggested Readings/ References:

1. Botello, C. (2011). *Adobe Illustrator CS5 illustrated*. Boston: Cengage Learning.
2. Farrelly, L. (2008). *Representational techniques*. Lausanne: AVA Book.
3. Helsel, J. D. (2007). *Engineering drawing and design*. Place of publication not identified: Glencoe McGraw-Hill Post.
4. John, E. (2013). *CAD fundamentals for architecture*. London: Laurence King Publishing.
5. Onstott, S. (2011). *Enhancing architectural drawings and models with photoshop*. San Francisco: Wiley Pub.
6. Onstott, S. (2012). *AUTOCAD 2013 AND AUTOCAD LT 2013: ESSENTIALS*. Hoboken, NJ: John Wiley & Sons.
7. Pottmann, H., Asperl, A., Hofer, M., & Bentley, D. (2009). *Architectural geometry*. Exton: Bentley Institute Press.
8. Sketchup Tutorials: <https://www.youtube.com/@SketchUp>
9. Rhino Tutorials: <https://www.youtube.com/c/Rhinoceros3d>

NIRMA UNIVERSITY

Institute:	Institute of Architecture and Planning
Name of Programme:	Bachelor of Architecture
Course Code:	2AA202CC26
Course Title:	Structure III
Course Type:	Core
Year of introduction:	2021

L	T	Practical component				C
		LPW	PW	W	S	
1	-	-	-	2	-	3

Course Learning Outcomes (CLO):

At the end of the course, students will be able to -

- Develop to gain understanding by using the abstract method of analysis of structures [BL3]
- Evaluate basic requirement of stability and strength of materials. [BL5]
- Evaluate structural elements and their significance in Structural System. [BL5]

Content: 15 weeks (3 hours/week)

Total Teaching hours: 45 Hrs

Unit	Content	Teaching hours
Unit-I	Concept of Centre of gravity – • Determining the centroid of simple figures. • Moment of inertia, its application to sections subjected to bending, determining M.I. of simple and compound sections	9 hours
Unit-II	Resolution of forces – • Concept of triangulation and its application in pin jointed trusses • Assumption in strength of materials, basic terminology, brief history of strength of materials. • Concept & importance of the shear force and the bending moment. • Pure Bending stress & combined direct and bending stresses	12 hours
Unit-III	Stability, buckling of columns – • Short and long columns • Deflection and its importance, code provisions, study of the deflected shape of simple structures. • Solutions of problems.	10 hours
Unit-IV	Concept of shear stress – • Average and maximum shears stress. • Horizontal shear stress and its variation across the cross section of the beam	10 hours
Unit- V	Composite sections –	4 hours

	Sections made up of more than one material	
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Self Study:

Suggested List of Experiments:

Suggested Case List:

Suggested Readings/ References:

1. Ambrose, J. E. (1993). *Building structures*. John Wiley & Sons
2. Seward, Derek. *Understanding Structures: Analysis, Materials, Design*. Basingstoke: Palgrave Macmillan, 2003. Print.
3. Cowan, Henry J. *Architectural Structures: An Introduction to Structural Mechanics*. New York: Elsevier, 1976. Print.
4. Salvadori, Mario, and Robert A. Heller. *Structure in Architecture: The Building of Buildings*. Englewood Cliffs, NJ: Prentice-Hall, 1975. Print.
5. Morgan, William, Daniel Williams, and Frank Durka. *Structural Mechanics: A Revision of Structural Mechanics*. Harlow: Longman, 1996. Print.
6. Rosenthal, Hans Werner., and Hans Werner. Rosenthal. *Structural Decisions: The Basic Principles of Structural Theory, Their Application to the Design of Buildings and Their Influence on Structural Form*. London: Chapman & Hall, 1962. Print

NIRMA UNIVERSITY

Institute:	Institute of Architecture and Planning
Name of Programme:	Bachelor of Architecture
Course Code:	2AA203CC26
Course Title:	Environmental Science & Services – I
Course Type:	Core
Year of introduction:	2021

L	T	Practical component				C
		LPW	PW	W	S	
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Course Learning Outcomes (CLO):

At the end of the course, students will be able to -

- Explain and relate the role and importance of climate as one of the major determinants of built form. **[BL2]**
- Interpret the implication of climate as modifying factor of built environment. **[BL5]**
- Appraise various climate-controlling devices. **[BL5]**

Content: 15 weeks (2 hours/week)

Total Teaching hours: 30 Hrs

Unit	Content	Teaching hours
Unit-I	Introduction to climatology – • Elements of climate • Solar Geometry its effect & importance • Built environment, conditions, impact and issues of climatic balance in traditional/ vernacular and contemporary built environments. • Study of Passive Environmental Control Mechanisms • Tropics and its Climatic zones • Macro and Micro Climate (site climate). • Implications of climatic forces in nature of spaces and forms, patterns of organization, & elements of built form at individual building & collective form	18 hours
Unit-II	Thermal Comfort – • Understanding of human body's comfort level. • Thermal comfort indices • Defining Comfort, Comfort zone & scale. • Different way of heat gain in the building. • Behavior & properties of material/s • Psychometrics study and analysis. Studies through built environment, case analysis, theory and its application, models and testing.	12 hours

Self Study:

Suggested List of

Experiments:
Suggested Case List:

Suggested Readings/
References:

1. Ahluwalia, V K. Environmental Science. New Delhi :The Energy and resources Institute, 2015. Print.
2. Koenigsberger, Ingersoll, Mayhew, Szokolay, Manual of Tropical Housing & Building, Hyderabad:Universities Press, March 2010
3. Krishan A, Baker, Climate Responsive Architecture: Tata McGraw-Hill Education (Asia) Co.& China Architecture &Building Press, 2004/2005
4. Kukreja. C P, Tropical Architecture: Tata McGraw-Hill Publishing Company, 1978
5. Shah. M G, Padki. S Y, Kale, C M, Building Drawing: with an integrated approach to built environment, New Delhi: Tata McGraw-Hill Education, 2002
6. Dekay, Mark, Sun, Wind, And Light: Architectural Design Strategies. USA: John and Wiley Sons, Inc., 2014
7. Olgyai, Victor. Design With Climate – Bio-Climatic Approach to Architectural Regionalism. New Jersey: Princeton University Press, 1963
8. Tipnis, Aishwarya. Vernacular Traditions- Contemporary Architecture. New Delhi: The Energy and resources Institute, 2012, Print.
9. Nayak, J K. Hazra, R . Prajapati, J. Manual On Solar Passive Architecture. New Delhi: Solar Energy Centre, MNES, Gov. Of India, 1999
10. Galloe, Salam and Sayigh A.M.M. Architecture, Comfort and Energy, U.K : Elsevier Science Ltd., Oxford, 1998
11. B. Givoni. Passive and Low Energy Cooling of building, New York: Van Nostrand Reinhold, 1994
12. B. Givoni. Man, Climate and Architecture, Architectural Sciences Series – applied, London: Science Publishers Ltd., 1981
13. Martin Evans , Housing Climate and Comfort, London : Architectural Press, 1980
14. Passivhaus Designer's Manual: A Technical Guide to Low and Zero Energy Buildings: Routledge Taylor & Francis Ltd.
15. Oliver, Paul. Built to meet needs: cultural issues in vernacular architecture: Burlington, Elsevier. 2006
16. Majmudar, Mili. Energy Efficient Building in India. New Delhi: The Energy and resources Institute.
17. Bansal, K N. Mathur, Jyotirmay & Randall, McMullen. Energy
18. Efficient Window Book.
19. Laureano. Water conservation techniques in traditional human settlements. Ghaziabad: Copal, 2013
20. Chawla, Shashi .Textbook of Environmental Studies .New Delhi:Tata McGraw Hill Education Private Limited, 2013
21. Rajagopalan, R. .Environmental Studies: From Crisis to Cure .New Delhi:Oxford University Press, 2011
22. Desai, Madhavi .Traditional Architecture: House Form of the Islamic Community of Bohras in Gujarat .Maharashtra:National Institute of Advanced Studies in Architecture (NIASA), COA, 2007

NIRMA UNIVERSITY

Institute:	Institute of Architecture and Planning
Name of Programme:	Bachelor of Architecture
Course Code:	1MU803CC25
Course Title:	Indian Constitution and Citizenship
Course Type:	Core
Year of introduction:	2024

L	T	Practical component				C
		LPW	PW	W	S	
2	-	-	-	-	-	2

Course Learning Outcomes (CLO):

- Explain various facets of Indian constitution and its impact on political, [BL2]
- Develop responsible and active citizens. [BL6]
- Interpret social and political context of the making of the Indian Constitution. [BL2]
- Develop an understanding of the Architect's law. [BL6]

Content: 15 weeks (2 hours/week)

Total Teaching hours: 30 Hrs

Unit	Content	Teaching hours
Unit-I	CONSTITUENT ASSEMBLY and CONSTITUTION - The Philosophy of the Constitution: Liberty, Equality, Fraternity and Justice - Fundamental Rights and Directive Principles of State Policy - Fundamental Duties	6 Hours
Unit-II	DEMOCRACY - Meaning and Practice : Procedural and Substantive Democracy - Democracy and Civil Society - Democracy and Development	6 Hours
Unit-III	State – - State and Constitutionalism - Rule of law	6 Hours
Unit-IV	Impact of Architectural Design on sustainability – Exploring Building Life Cycle Assessment through digital and physical models	6 Hours
Unit-V	Federalism – - Centre – State Relations - Panchayati Raj Municipalities	6 hours
Unit-VI	ELECTION COMMISSION, VOTING AND CITIZENSHIP – - Election Commission of India: Power and Functions - Various Determinants of Voting Behavior - Citizenship and Democracy Party System in India	6 hours
Unit-VIII	Law related to the Practice in Architecture Introduction to the Architects Act, 1972: Purpose and Key Provisions	6 hours

	• Role and Functions of the Council of Architecture • Overview of Architects Professional Conduct Regulations: Ethical Practice, Professional Responsibility, and Compliance	
	Legal Challenges and Ethical Dilemmas in Architectural Practice	

Self Study:

Suggested List of

Experiments:

Suggested Case

List:

Suggested

Readings/

References:

1. Austin Granville, (1999) The Indian Constitution: Cornerstone of A Nation, OUP.
2. Jayal Gopal.Niraja, (2017) Citizenship and Its Discontents: An Indian History, Orient Blackswan, Delhi.
3. Roy, Anupama (2016) Citizenship in Modern India: A Very Short Introduction, OUP.
4. Austin Granville, (2003) Working in a Democratic Constitution: A History of the Indian Experience, OUP.
5. Jayal, Gopal. Niraja, (2007) Democracy in India, OUP, Delhi.
6. Shah Ghanshyam, (2001) Social Movements and the State Sage, Delhi.
7. Pantham, Thomas (1997) Indian Secularism and Its Critics: Some Reflections, The Review of Politics Vol. 59, No. 3, Non-Western Political Thought, pp. 523-540.
8. Jayal, Gopal. Niraja, Mehta Bhanu Pratap (eds.), (2011) The Oxford Companion to Politics in India, OUP, Delhi,
9. R. Kothari, (2002) 'The Congress System', in Z. Hasan (ed.) Parties and Party Politics in India, New Delhi: Oxford University Press, pp 39-55. E. Sridharan, (2012) 'Introduction: Theorizing Democratic Consolidation, Parties and Coalitions', in Coalition Politics and Democratic Consolidation in Asia, New Delhi: Oxford University Press.
11. 12. Y. Yadav and S. Palshikar, (2006) 'Party System and Electoral Politics in the Indian States, 1952-2002: From Hegemony to Convergence', in P. de Souza and E. Sridharan (eds.) India's Political Parties, New Delhi: Sage Publications, pp. 73-115.
12. Y. Yadav, (2000) 'Understanding the Second Democratic Upsurge', in F. Frankel, Z. Hasan, and R. Bhargava (eds.) Transforming India: Social and Political Dynamics in Democracy, New Delhi: Oxford University Press, pp. 120-145.
13. Deshpande, (2004) 'How Gendered was Women's Participation in Elections 2004?', Economic and Political Weekly, Vol. 39, No. 51, pp. 5431-5436.
14. Kumar, (2009) 'Religious Practices Among Indian Hindus,' Japanese Journal of Political Science, Vol. 10, No. 3, pp. 313-332.
15. Chandhoke Neera (2019) Rethinking Pluralism, Secularism And Tolerance: Anxieties Of Coexistence, Sage, Delhi
16. Sharma Ruchir, (2019) Democracy on the Road: A 25 Year Journey through India, Penguin Allen Lane, Delhi.

NIRMA UNIVERSITY

Institute:	Institute of Architecture and Planning
Name of Programme:	Bachelor of Architecture
Course Code:	2AA901PE24
Course Title:	Related Study Programme RSP - II
Course Type:	Core
Year of introduction:	2021

L	T	Practical component				C
		LPW	PW	W	S	
-	-	-	-	-	-	3

Course Learning Outcomes (CLO):

At the end of the course, students will be able to -

- Appraise various built environment at different places of architectural relevance across the state, region, country and the world. **[BL5]**
- Appraise the relevance of built environment by observing & photo documentation of selected places. **[BL5]**

Content: 3 weeks (30 hours / week)

Total Teaching hours: 90 Hrs

Unit	Content	Teaching hours
Unit-I	Multidisciplinary study of parts of urban structures, planning, regulations, building, landscape, conservation issues, study analysis, development proposals – - Student and faculty members stay at the selected city/ metro city for 8 to ten days. - Students will get comprehensive awareness of the city/ metro city. - Students will explore the built environment in terms of Social, educational, political institutes, settlement pattern etc. - Students will understand the typology, design style, material-construction system, etc. - Students will also documents the social, cultural, environmental aspects of that city/ metro city	60 hours
Unit-II	Compilation and documentation – Students came back at institute and make the final Documentation report within remaining days.	30 hours

NIRMA UNIVERSITY

Institute:	Institute of Architecture and Planning
Name of Programme:	Bachelor of Architecture
Course Code:	0AA023VA24
Course Title:	Social Work/ NSS - II
Course Type:	Value Added Course
Year of introduction:	2023

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L	T	Practical component				C
		LPW	PW	W	S	
-	-	-	-	2	-	-

Course Learning Outcomes (CLO):

At the end of the course, students will be able to -

- Appraise the role and need of social work in the society [BL5]
- Appraise the methods and techniques of social work and its practice [BL5]
- Develop awareness and participate in social welfare work towards society development [BL6]

Content: 15 weeks (2 hours/week)

Total Teaching hours: 30 Hrs

Unit	Content	Teaching hours
Unit-I	Understanding social in social work – • Sensitive to the needs of different people within the society and to social problems in changing social, cultural and techno-economic context;	10 Hours
Unit-II	Social work as a practice – • To inculcate in the need for inquiring and research to understand the social issues/ problems within a context • Develop problem solving and decision making abilities for relevant concerns through the medium of social work as a practice	20 Hours

***This course can be taken as a Block or as a 7-day residential camp of minimum 30 hours**

Self Study:

Suggested List of

Experiments:

Suggested Case List:

Suggested Readings/

References:

1. Banks, S. (1995). Ethics and Values in Social Work: Practical Social Work Series, London: Macmillan Press Ltd.
2. Friedlander, Walter A. (1977) Concepts and Methods of Social Work, New Delhi: Prentice Hall of India Pvt. Ltd
3. Heun, Linda R., Heun, Richard E. (2001) Developing Skills for Human Interaction, London: Charles E. Merrill Co.
4. Skidmore, Rex A.(1982), Introduction to Social Work, New Jersey, Thackeray, Milton G. Prentice-Hall, Englewood Cliffs.
5. Surendra Singh (Chief Editor). (2012): Encyclopedia of Social Work in India. Lucknow: New Royal Book Company.

