

AR533	Contemporary Architecture	HRS 3-0-0	CR-3
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Modern (19th Century AD – Until Present)

Objective

To impart an understanding of the evolution in architecture and urbanism from the advent of modern era to present times. Understanding about the theories, principles and styles of architecture that emerged during Industrial Revolution and its influence on the built form and settlement patterns is covered. Colonial mercantile capitalism and spread of Western influences in India, and synthesis of architectural styles as modes of political accommodation are imparted in the course. The socio-economic and political context, scientific inventions, and technological improvements, and the exchange of styles and philosophies is discussed through notable works of leading architects.

Module 1

INDUSTRIAL REVOLUTION

Its impact, new materials & techniques, Exhibitions (*Great Exhibition 1851*), development of railways & change in settlement pattern, rapid urbanization & urban crisis. Art Nouveau, Art & Craft, Art Deco; Neo Classicism; Gothic Revival (*John Ruskin, works of Victor Horta, Antonio Gaudi*).

SELF CONSCIOUS MODERNITY

Chicago school (*Louis Sullivan*), Bauhaus Movement (*Peter Behrens, Walter Gropius*), Late-Modern Styles; works of great masters (*Mies Van der Rohe, F. L. Wright, Le Corbusier, Louis Kahn, Alvar Aalto, Kenzo Tange, etc.*).

Module 2

COLONIAL ARCHITECTURE IN INDIA

Spread of European mercantile capitalism and development of early colonial architecture, British, French and Portuguese influences; Inflow of new cultural practices and construction technology, Stylistic transformations; Synthesis with Indian traditional motifs and climatic factor.

EARLY: Portuguese (*Basilica of Bom Jesus*), French (*Pondicherry- Old French Colony*) & British (*St. Andrew's Kirk*), Jewish settlement of Kerela

LATE: Edwin Lutyens, Herbert Baker and planning of New Delhi, Indo- Deco architecture (*Rashtrapati Bhawan / Victoria Terminus / Umaid Bhawan Palace, Jodhpur*).

Module 3

WORLD ARCHITECTURE 1950 ONWARDS

Post modernism and classical revivalism (*James Sterling, I. M. Pei, Robert Venturi*); Counter reaction, De-constructivism and industrial architecture (*Zaha Hadid, Renzo Piano, Norman Foster, Santiago Calatrava, Frank O. Gehry*) Alternative practices (*Hassan Fathy, Geoffrey Bawa, Tadao Andao*)

Module 4

ARCHITECTURE IN INDIA: POST INDEPENDENT ERA

Planning and Design of Post Independent Cities and Towns: Chandigarh, Bhubaneswar, Amaravati, Auroville Experiments, Nehruvian nation Building Initiatives, Planning commission & industrialization, Architecture by great Indian and International Masters: A. Kanvinde, B. V. Doshi, Charles Correa, Raj Rewal, Joseph A. Stein; Alternative practices (*Laurie Baker*), Award winning works of contemporary architects.

B.Arch Detail Syllabus For Admission Batch 2016-17

Module 5

Presentations and critical analysis of any other significant works of architects, as decided by the subject faculty.

Reference

1. Benevolo, L. (1977). History of Modern Architecture. 2 Vols., reprint, MIT Press.
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3. Giedon, S., Space, Time and Architecture: The Growth of New Tradition, Harvard University Press.
4. Frampton, K. (1994). Modern Architecture: A Critical History. London : Thames & Hudson.
5. Jenks, C. (2007). The Story of Post-Modernism. London : Wiley and Sons.
6. Lang, J., Desai, M. and Desai, M. (2000). Architecture and Independence: The search for Identity – India 1880 to 1980. New Delhi : Oxford University Press.
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8. Mehrotra, R. (2011). Architecture in India Since 1990. Pictor.
9. Tadgell, C. (1990). The History of Architecture in India. New Delhi : Penguin Books (India) Ltd.
10. Johnson, P. and Wigley, M. (1988). Deconstructivist Architecture. New York : Museum of Modern Art.
11. Schulz, C. N. (1993). Meaning in Western Architecture. New York : Rizzoli International Publishers.
12. Singh, M. and Mukherjee, R. New Delhi- Making of a Capital. New Delhi : Roli Books.
13. Tafuri, M. (1980). Modern Architecture. Harry N. Abrams Inc.
14. Verma, P. (2010). Becoming Indian – The Unfinished Revolution of Culture and Identity. New Delhi : Penguin India.