



SYMBIOSIS COLLEGE OF ARTS & COMMERCE
 An Autonomous College | Under Savitribai Phule Pune University
 Reaccredited 'A+' with 3.51 CGPA For Third Cycle By NAAC | College with Potential for Excellence

Name of the Department	Geography	
Title of the Subject	Anthropocene- Urbanization and Environment	
Paper	TYBA – SEM IV	
Objectives of the Course:	<ol style="list-style-type: none"> 1. Examining theoretical perspectives of urban growth and its influence on socio-economic and political processes. 2. Application of RS and GIS techniques in urban planning. 3. Analyzing theoretical framework of urban evolution and urban forms in different parts of the world. 4. Critically evaluating processes related to urban ecology. 5. Integrating spatial geographies with contemporary urban models. 6. Evaluation of global urban footprint and challenges of urban planning. 7. Assemble and anticipate key paradigms in urban development. 	
Gist of this course in maximum 3 to 4 lines	<p>Human species through the evolution process become the most dominant living species on the Earth. The early industrial revolution initiated in 17th Century and innovation and technologies upsurge from 1950's has attenuated global space to such an extent that Earth and Social Scientist has marked this as altogether new geological epoch as Anthropocene. The Anthropocene has notable and distinct visibility in form of Urban Environments creating unique urban morphology, urban geometry, and urban climate. The present syllabus introduces students to this new paradigm of human induced spatio-temporal change.</p>	
Detailed syllabus		
Unit	Contents of the syllabus	Number of Lectures
1.	Unit I: Urban Environment	10

	<ul style="list-style-type: none"> a) Urban: Space, Economics and Culture b) Urbanization and development in historical analysis: links and ruptures c) Contemporary Urban Forms and Issues in the Developed World d) Contemporary Urban Forms and Issues in the Developing World e) Cities of Third World 	
2.	<p>Unit II: Theoretical Framework</p> <ul style="list-style-type: none"> a) Limits to Growth Theory b) Concept of Anthropocene c) Concept of Capitalocene and Urbanocene d) Nine Planetary Boundaries 	10
3.	<p>Unit III: Urban Ecology</p> <ul style="list-style-type: none"> a) Urban Informality and Environment: Context Global south b) Urban Informality: The shifting locus of Poverty c) Green Blue Infrastructures d) Development vs Sustainability with reference to SDG's 	10
4.	<p>Unit IV: Contemporary Urban Models: Case Studies GIS Perspectives</p> <ul style="list-style-type: none"> a) Sanitary Cities of Developed World b) Networked Cities c) Planned Cities d) Smart Cities e) Critical Analysis of Contemporary Urban Models f) Interpretation and Application of Remote Sensing and GIS: Land use/ Land Cover, Urban Sprawl Analysis; 	14
5.	<p>Unit V: Future of Urbanization</p> <ul style="list-style-type: none"> a) The power of place: environmental sustainability and urban health b) Challenges of Urban Planning for Global South c) Global Urban Footprint d) Future Cities: global predictions and local resurgence 	10
	Total Number of Lectures	54
Projects as part of continuous assessment:		

Topic: Case Studies and Group Discussion for Indian cities

Objectives: The student will be able and relate to apply theoretical knowledge related to Anthropocene and Urbanization for critical analyzing cities in India.

Learning Outcomes: The activity will enhance students analytical and reflective about their surroundings. The activity will appraise students for developing solutions towards sustainable urbanization.

Suggested Reference Books:

- 1. The Anthropocene Reviewed: Essays on a Human-Centered Planet- John Green**
- 2. Anthropocene or Capitalocene? Nature, History, and the Crisis of Capitalism-Jason W. Moore**
- 3. Living in the Anthropocene: Earth in the Age of Humans- John W. Kress, Jeffrey K. Stine, Elizabeth Kolbert**
- 4. Urbanisation, Environmental Degradation and Quality of Life- Hari Mohan Saxena, M. Z. A. Khan**
- 5. Globalization and Urbanization: The Global Urban Ecosystem-James H. Spencer**