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| AR 212 Sustainable Architecture  | **L-T-P** **3-0-0** **3 credit**  |
| 1. Historical background on the sustainable building movement 2. The Scope of Sustainable Building 3. Whole-systems thinking and integrated design; introduction to Rating systems  |
| 4. Looking Beyond Buildings,sustainable building is about more than buildings 5. Land-Use Planning 6. The importance of land-use planning in creating sustainable communities 7. Site and Landscape 8. Integrating buildings into 9. Water Management on the Site, Water Conservation 10. Stormwater and innovative management practices 11. Understanding and conserving what could become the greatest constraint to development 12. Energy Conservation and Efficiency 13. Green building starts with energy savingsand use of Renewable Energy. 14. After reducing demand, considering our energy supply: renewable 15. Indoor Environmental Quality 16. An unhealthy building cannot be a green building 17. Materials and Resources 18. Understanding what goes into our buildings 19. Building Durability, Longer-lasting buildings are greener buildings 20. Looking Ahead: Climate Adaptation 21. Today’s buildings must be adaptable to an uncertain future  |