DEVELOPING SUSTAINABILITY PLANS FOR A BUSINESS

CREDIT DISTRIBUTION, ELIGIBILITY AND PRE-REQUISITES OF THE COURSE

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course (if any)
		Lecture	Tutorial	Practical/ Practice		
Developing sustainability plans for a business	**2**	**0**	**0**	**2**	**12th Pass**	**NIL**

Learning Objectives

The Learning Objectives of this course are as follows:

- To assess the status of integration of social and ecological values into business practices
- To determine strengths and weaknesses in linkages between people, planet, and profit during business practices
- To correlate the changes in ecological footprint with growth in corporate responsibility
- To recommend strategies to improve current CSR practices for environmental conservation and enhance the return on investment of the organization

Learning outcomes

The Learning Outcomes of this course are as follows:

- After studying this course, students will be able to develop CSR plans to balance ecological security with economic success.
- After studying this course, students will be able to evolve methods for the financial stability of different organizations/companies
- After studying this course, students will be able to develop a framework to reduce energy consumption, adopt renewable resources and integrate waste management strategies among employees
- After studying this course, students will be able to design sustainable business plans having major positive impacts on plant and next-generation business setting

SYLLABUS

Practical/Hands-on Exercises **(15 weeks)**

- Determine strategies to reduce carbon footprint and improve supply chain efficiency of an organization
- Assess the current status of renewable energy use and investment and develop strategies to become carbon negative in the next decade
- Identify opportunities for sustainable alternatives for an environmental cause that aligns well with the organizational goal and areas of philanthropic investments
- Analyze material use at different stages of organizational process based on a set of sustainable principles and suggest environment-friendly alternativesto reduce waste
- Calculate the water footprint of the organization and develop methods for mindful water consumption to improve human health and reduce the economic cost
- Examine the current status of infrastructure with respect to the energy-efficient lighting system and evolve strategies for shifting to 100% renewable energy
- Determine the ecological impact of current infrastructure using guiding principles of LEED (Leadership in Energy and Environmental Design) Certification and identify areas for biophilic design, green spaces, and workconditions
- Optimize to reduce waste by improved methods of handling and disposing of waste
- Develop guidelines for eco-friendly transportation to reduce fuel usage andmaximize route efficiency
- Eco-innovation in developing energy alternatives and providing solutions tocomplex environmentalchallenges
- Document the biological wealth (especially plants, insects, and birds) of an organization and developthe green design to maintain and enrich the biologicalwealth

Teaching and learning interface for practical skills:

To impart training on technical and analytical skills related to the course objectives, a wide rangeof learning methods will be used, including (a) laboratory practicals; (b) field-work exercises; (c)customized exercises based on available data; (d) survey analyses; and (e) developing case studies; (f) demonstration and critical analyses; and (h) experiential learning individually and collectively.

Prospective sector(s):

(a) Environmental Consultancies, (b) Sustainability Advisors, (c) All Multi-NationalLarge-Scale Industries, and (d) Environmental NGOs

Suggested readings

- Calkins, M., 2012. The Sustainable Sites Handbook: A Complete Guide to the Principles, Strategies, and Best Practices for Sustainable Landscapes (Vol. 39). John Wiley & Sons.
- Daniels, T., 2017. The Environmental Planning Handbook: For Sustainable Communities and Regions. Routledge.
- Davoudi, S., Cowell, R., White, I. and Blanco, H. eds., 2019. The Routledge Companion to Environmental Planning. Routledge.
- Quaddus, M.A. and Siddique, M.A.B. eds., 2013. Handbook of Sustainable Development Planning: Studies in Modelling and Decision Support. Edward Elgar Publishing.
- USEPA, 2012. Planning for Sustainability: A Handbook for Water and Wastewater Utilities.

Examination scheme and mode:

Total Marks: 100
Internal Assessment: 25 marks
Practical Exam (Internal): 25 marks
End Semester University Exam: 50 marks
The Internal Assessment for the course may include Class participation, Assignments, Class tests, Projects, Field Work, Presentations, amongst others as decided by the faculty.

Note: **Examination scheme and mode shall be as prescribed by the Examination Branch, University of Delhi, from time to time.**