

Course title: Accounting and Finance for Sustainability				
Course code: BSI 125	No. of credits: 3	L-T-P distribution: 33-9-0	Learning hours: 42	
Pre-requisite course code and title (if any):				
Department: Department of Business Sustainability				
Course coordinator (s): Manipadma Datta			Course instructor (s): Dr. Manipadma Datta	
Contact details:				
Course type	Elective	Course offered in: Semester III		
Course Description				
The course intends to expose the learners to the emerging world of sustainability-centered accounting and finance. The field is emerging. There are many challenges to standardize the practices. Different experiments and research are on. So it's a felt need of importance that the budding managers develop a clear perspective to actively contribute to the evolving process of newer paradigm.				
Course Objectives				
In the context of the above course description, the objectives are to:				
<ul style="list-style-type: none"> • Help the learners develop a right kind of attitude toward the emerging challenges; • Expose them to the latest developments in the area; • Make them learn the skill sets developed so far; • Equip them with the requisite knowledge to act as conscious change agents. 				
Course content				
PART I				
Module	Topic	L	T	P
1.	Introduction: <ul style="list-style-type: none"> a. Changing paradigm of corporate finance and accounting; b. Integrating sustainability into business; c. Triple Bottom Line (TBL) and its relationship with Finance and Accounting; d. Emerging Challenges and opportunities. (Put the order more logically)	2	0	0
PART II				
2.	Measuring sustainability: the macro level indicators: <ul style="list-style-type: none"> a. Green national accounting; b. Genuine savings; c. System of Environmental- Economic Accounting (SEEA). 	3	1	0
3.	Measuring sustainability: the firm level indicators <ul style="list-style-type: none"> o Green/Environmental Profit & Loss Account o Green/Environmental Balance Sheet. 	2	1	0
4.	Life Cycle Cost Analysis (LCA) and Full Cost Accounting(FCA) <ul style="list-style-type: none"> a. Acquisition costs versus Life Cycle costs b. Measurement techniques. 	2	1	0
5.	Activity Based Cost Management(ABCM): <ul style="list-style-type: none"> a. Activity identification b. Cost Centres vs. Cost Drivers; 	1	1	0

	c. Activity Based Cost Measurement (ABCM). (Order changed)			
6.	Integrated Reporting a. Economic and environmental reporting; b. Integrating process; c. Sustainable Reporting Standards	3	0	0
7.	Firm level performance analysis: a. Financial vs. Non-Financial : Integration b. Challenges to developing appropriate benchmarks; c. Case studies.	1	2	
PART IV				
8.	Sustainability issues: Impact on Business and Economy a. Sizing climate economy b. Sustainability : Economic, Environmental and Social Factors (EES) c. Value creation and EES variables d. Sustainable value added (SVA) : Measurement & Estimation e. Environmental liabilities: Identification and Reduction	3	1	0
9.	Responsible Investments: a. Responsible Investment Principles as defined by the UN (UNPRI); b. Approaches and forms; c. Stockholders' value max vs. stakeholders' value max; d. Stakeholders' activism; e. Valuation approaches. f. Concept of shared value and value chain analysis; g. Behavioural aspects.	3	1	0
10.	Sustainability Risk Management a. Risks and return relationship: the changing scenario; b. Capital budgeting decisions and sustainability risks; c. Risk Management approaches d. Developing proper risk reporting mechanism	2	1	
11.	Hedging Sustainability risks a. Hedging sustainability risks through market instruments; b. Weather derivatives; c. Energy derivatives.	2	0	0
12	Investment market and sustainability factors: a. Sustainable portfolios; b. Role of fund managers; c. Investment bankers and sustainability issues.	2	0	0

13	Market Indices and Sustainability Issues d. Basis and Construction mechanisms of such indices; e. Major green market indices in the world; f. Indian position and a global comparison.	2	0	0
14	Financing sustainability g. Kyoto Protocol and CDM; h. Carbon Financing; i. Carbon credit and emission trading; j. Other market based instruments - green bonds, social impact bonds and the like. k. Historic Climate (Green) Deal (22.04.2016 at UN)	3	0	0
PART IV				
15	Policy and Regulatory issues l. An overview of the policy issues in India and the globe; m. Role of an appropriate regulatory framework; n. G20 and global growth through Green Finance.	2	0	0
Evaluation criteria <ul style="list-style-type: none"> ▪ Assignment/Presentation 20% ▪ Term paper <u>20%</u> ▪ Mid-Term 30% ▪ End-term 30% 				
Pedagogical approach The course will be delivered through lectures and discussion of case studies, research papers and articles.				
<ol style="list-style-type: none"> 1. Unerman, J, Bebington, J and O'Dwyer, B, Sustainable Accounting and Accountability, Routledge, London and New York, 2010. 2. Wells, G, Sustainable Business: theory and practice of business under sustainability, E Elgar, Cheltenham, UK, 2013. 3. Cherneva, Iveta (ed.), The Business Case for Sustainable Finance, Routledge, London and New York, 2012. 4. Bhattacharya, R N (ed.), Environmental Economics- an Indian Perspective, OUP, New Delhi, 2001. 5. Occasional materials and hand-outs as delivered by the faculty member. 				
Additional information (if any):				
Student responsibilities: This is more an open-ended course. The students are required to focus on research based learning.				