AMITY GLOBAL INSTITUTE

MODULE SYLLABUS

Course	Postgraduate Certificate in Supply Chain Analytics (University of London)
Module Title	Supply Chain Analytics
Module Syllabus No. (if any)	SCM020
Syllabus / Content / Learning Outcomes	This module aims to provide you with an overview of the application of quantitative methods relevant to supply chain management, particularly in the fields of descriptive, predictive and prescriptive analytics. Some principal analytical methods for understanding data related to various aspects of managing a supply chain are investigated. In many instances, the application of analytics may improve the quality of business decisions, by grounding those decisions in analyses of available data rather than the gut feelings or preferences of decision makers. By the end of the course you should be able to recognise and tackle supply chain problems which are amenable to a quantitative approach and also be aware of the strengths and limitations of adopting this approach.
No. of Teaching Hours	Contact Hours – Lectures, Seminars & online activity (22 x 3) = 66 Independent Preparation, pre-reading and analysis = 84 TOTAL = 150
Teaching Methods	Lectures, tutorials, case-studies analysis, research journals and group discussion.
Assessment Methods and Weightages	Module assessment will be based on one two-hour unseen written examination (70%) and a 2500 word report on how quantitative modelling can help decision making in supply chain (30%).
Skills for Maximising Learning Outcomes	Reading and research
Dates of Examinations, Major Assessments and Assignments	Please refer to www.london.ac.uk exam tables June, August/September, December and February/March
Topics covered	• Introduction to Supply Chain Analytics • Descriptive Statistics and Visual Analytics • Probability Distributions on Uncertainty • Simple Regression • Multiple Regression I • Multiple Regression II • Forecasting • Simulation • Decision Analysis • Optimisation