

DEPARTMENT OF LOGISTICS MANAGEMENT

ALAGAPPA UNIVERSITY

(A State University Re-accredited with 'A' Grade by NAAC)

KARAIKUDI – 630 004.



MASTER OF PHILOSOPHY IN MANAGEMENT

Specialization: LOGISTICS MANAGEMENT

(Full-Time; Regular Programme)

Under Choice Based Credit System (CBCS)

REGULATIONS AND SYLLABI

(For candidates admitted from 2016 – 2017 onwards)

M.PHIL. IN MANAGEMENT

Specialization: **LOGISTICS MANAGEMENT**

(Full-Time)

(Under Choice-Based Credit System)

REGULATIONS AND SYLLABI

(with effect from the academic year 2016-17 onwards)

1. Duration and Pattern

The **M.Phil. in Management with specialization in Logistics Management** Programme is of one year duration, offered under Semester Pattern, with two Semesters in the year.

2. Medium of Instruction

English only

3. Eligibility

A candidate with Postgraduate degree in Logistics Management, International Business, Management, Business Administration, Commerce, Bank Management, Corporate Secretaryship, Insurance Management, Economics, Agriculture Economics, Cooperation, Foreign Trade or any related discipline are eligible to apply.

The minimum eligibility criterion for marks in PG degree is:

- 50% of marks for SC/ ST/ Physically or Visually challenged candidates
- 55% of marks for all others

4. Mode of Selection

A candidate eligible must take up the Entrance Examination conducted commonly for all candidates by the University. The question paper pattern and ranking of students will be administered by the University. Provisional selection is done adopting community quota as per guidelines of the State Government.

5. Course of Study

The **M.Phil. in Management with specialization in Logistics Management** programme comprises of two parts. The part – I comprises Paper I, II & III that are common for all the candidates, paper – IV is specialization of the respective discipline. Part – II is the dissertation and Viva-Voce. The dissertation shall relate to Indian/ Global perspectives in various functional areas of Logistics Management.

6. Scheme of Examinations

	Code	Paper	CIA Marks	ESE Marks	Total Marks	Min. Pass Marks	Credits
I Semester							
Part-I							
Course I	642101	Business Research Methods	25	75	100	50	6
Course II	642102	Statistical Techniques of Research	25	75	100	50	6
Course III	642103	Professional Competencies*	75	25	100	50	6
II Semester							
Course IV		One Elective Course from the following:					
	642201	Advanced Logistics Management	25	75	100	50	6
	642202	Advanced Supply Chain Management	25	75	100	50	6
Part-II	642104	Dissertation 150 & Viva-Voce 50	--	--	200	100	12
				Total	600	300	36

* The Third Course involves rigorous CIA with 75 marks and the ESE comprising of Comprehensive Viva-Voce carrying 25 marks. The CIA would include, besides those prescribed for other courses, Periodical Competency Revelation Presentations to enhance the Competencies on General Awareness, Computer and Internet, Classroom Communication and Pedagogical Skills.

A student must secure a minimum of 10 marks in the Viva-Voce and 30 marks in the CIA and put together a total of 50 marks out of 100 marks to get a pass. The Viva-Voce will be conducted by a Panel of three members comprising the Head of the Department, One External Examiner and the Faculty in Charge.

** The Fourth Course depends on Programme Specialization and within a program based on Course Specialization.

7. **Credits:** Each student should earn 36 credits to complete the program.

8. **Attendance**

i. Normally a student must secure a minimum of 80% attendance to become eligible to take the End-Semester-Examination (ESE) in a course. However, condoning of shortage of attendance may be granted on genuine medical grounds upto a maximum of 10% of the contact days. For this purpose, the student must, immediately upon returning to class after the period of illness, apply for condoning of shortage, submitting valid medical certificate(s) from registered medical practitioner(s) through his/her Advisor to the Head of the Department

(HoD), who will decide upon the application for condoning of shortage of attendance. Medical certificates submitted on the eve of the ESE will not be accepted.

ii. If a student who has no genuine medical grounds and has earned 70% or more but less than 80% of attendance in a course in a semester that student will be debarred from the ESE in that course in that semester. However the student may take the ESE when offered in a later semester.

iii. If a student has earned less than 70% attendance, that student will be debarred from the ESE in that course and the statement of grades will read **IA** (Inadequate Attendance) against that course. Such a student must repeat that course when offered in a later semester. Attendance in a course will always be reckoned from the day of joining the course to the last day of the course.

9. Redoing of a Course or Courses

A student who has been debarred from the ESE for lack of attendance must repeat the Course at a later semester, paying the prescribed fees for the course. No student will be permitted to repeat a course or reappear for a CIA test or an ESE for improvement of Grade Points. A student who has fulfilled all the course requirements but has not been able to take the ESE alone, can take the same at a later semester. A student who has failed in an ESE need take only the ESE in that course when it is next offered. Such students need to pay only the fee for ESE of the course.

Students interested in redoing of course(s) have to get prior official permission for the same by applying to the Registrar through the HoD on or before 5th July (for redoing of Odd Semester Courses) or 5th December (for Even Semester Courses) every year.

A student may be permitted to break his/her study on valid grounds. Such break of study shall be entertained only if the student has completed at least one semester of study. For availing break of study, the student has to apply to the Registrar along with the recommendations of the Class Advisor and the HoD in the format prescribed enclosing documentary evidence(s) as a proof for his/her claim for break of study and after paying prescribed fee. Un-authorized break of study will not be permitted under any circumstances. Break of study will be permitted subject to the formalities of readmission as well as the availability of courses to be completed and the examination norms.

10. Assessment: Assessment of the students will be two-fold consisting of Continuous Internal Assessment (CIA) and End Semester Examination (ESE). The ratio between CIA and ESE will normally be 25:75.

a. Continuous Internal Assessment (CIA): The CIA marks shall be awarded based on the following:

Assessment components	Courses I, II & IV	Course III
Scores of two internal tests	15 Marks	30 Marks
Seminar/ Assignment/ Quiz/Class Works/Attendance/Mini Projects etc..	10 Marks	20 Marks
Competency Revelation Presentations	--	25 Marks
Total	25 Marks	75 Marks

- b. **End Semester Examination (ESE):** Except in the case of Project-work/ Competency revelation presentations , the ESE will consist of a written examination of three hours duration reckoned for a maximum 75 marks. The answer papers shall be evaluated by two examiners- internal and External.

Pattern of Question Paper

Section	No. of Questions to be Asked	No. of Questions to be Answered	Marks per Question	Total Marks
I	6	6	3	18
II	6	4	6	24
III	3 (Either Or type)	3	11	33
Total				75

Part I Course II 642102 Statistical Techniques of Research, 2/3rd of the questions shall be problems.

- c. **Research Guide:** Each candidate will be allotted a Research Guide from among the Faculty Members of the Department by the Head of the Department.
- d. **Submission of Dissertation:** A candidate has to prepare and submit a scholarly dissertation by the end of the Second Semester on a socially and economically relevant research problem, pertaining to his/her discipline and specialization, under the guidance of a Research Guide. The Research Work must be original and independent one of the candidate and the same has to be supported by a declaration, in the format prescribed by the University, by the candidate and duly certified by the Research Guide. There should not be any plagiarism. Two copies of the dissertation must be submitted by a candidate to the Head of the Department, duly signed by the Research Guide.
- e. **Evaluation of Dissertation:** The dissertation shall be evaluated by two examiners, of whom one will be the Research Guide and the other appointed by the University from a panel submitted by the Head of the Department. The Dissertation carries 150 marks.
- f. **Viva Voce:** Candidates whose dissertations are approved by the examiners securing, at least the minimum pass marks, will be called for the Viva Voce. The Board of Viva Voce shall comprise of the Research Guide, the Head of the Department/ a Senior faculty member of the Department. The Viva Voce carries 50 marks
11. **Time Extension for Submission of Dissertation:** Extension for submission of dissertation shall be granted as per the University norms and conditions.
12. **Passing Minimum Marks:** The minimum for marks in the CIA and ESE shall be 40%, in each, but an aggregate minimum of 50% marks putting together the Continuous Internal Assessment marks and University End Semester Examination marks needed for a pass. A candidate should have secured 50% in Dissertation and Viva Voce to get a pass in the project work.

13. Classification of Candidates

- If a candidate secures 60% and above in both Part I and Part II put together, he/she is deemed to have passed in First Class.
- If a candidate secures 50% and above but less than 60% in both the parts put together, he/she is deemed to have passed in Second Class.
- If a candidate secures less than 50% in both the parts put together, he/she is deemed to have failed.

14. Reappearance by Failed Candidates: A candidate who fails in any course / courses may appear for the examination again in that course / courses as per University rules.

15. Completion of the Program: A candidate has to complete the program within 3 years from the completion of the duration of program, failing which the candidate's registration will stand automatically cancelled and the candidate has to register afresh, if the candidate wants to pursue the program.

16. Award of the M.Phil Degree: A student will be declared to be eligible for the award of a Degree if he/she has:

Registered for and undergone all the courses under the different parts of the curriculum of his/her program.

There are no dues to the University, Hostel, NSS, Library Clubs, Associations etc from the candidate. and

No disciplinary action is pending against him/her.

17. Other Regulations: Besides the above, the common regulations of the University shall also be applicable to this program

Part I – Course: I – 6 Credits
BUSINESS RESEARCH METHODS

Semester : ODD Semester	Course Code : 642101
Course Title	Business Research Methods

Course Description: The course is to introduce the concept and contours of Business Research Methods. The methodology of formulation of research problems, of measurement of attitudinal / behavioral issues, development of scales and of employing sampling is dealt. The art and science of designing and applying the different tools of data collection, data quality enhancement, tabulation and presentation, etc are presented. The culmination of any research is the Report Writing. This requires skills of analysis, interpretation, structuring, language and articulation. The mechanics of writing a dissertation are covered.

Course Objectives

1. To read and understand a variety of empirical research papers using different techniques, so as to develop awareness of possible solutions to problems that the learner may encounter as independent researchers in the future.
2. To formulate a research problem in terms of Research Question, Objectives and hypotheses and design a step-by-step approach to handle the further
3. To develop measurement tools for attitudinal/ behavioral or social/ economic /business / economic phenomena relevant to the research problem
4. To familiarize the learners with concepts and techniques of sampling and go about with sampling for a research problem
5. To design research data collection tools and using the same for data collection and to make the data thus collected properly presented fit for analysis
6. To deal with the requisites and mechanics of writing a research report with appropriate structuring, analytical reasoning, interpretative relevance and summary of major revelations so as to make a good reading

Course Outcome : The learners should be able to:

<p>Choose a research problem and devise a design to probe and solve it independently. Design Measurement tools with a fair degree of Validity and Reliability to study even phenomena for which no measures are readily available Decide on the appropriate sampling for research problem and go about executing the same with minimal sampling and non-sampling errors/. Decide the method of data collection, design the data collection tools there-for, execute the data collection work and ensure the data are fit for analysis with appropriate editing, corroboration, reduction and sanitization Develop a research report that fulfills the objectives set forth, answers the research questions and meets the standards of a good research report.</p>

SYLLABUS and SCHEDULE of COVERAGE

Areas	Time Schedule
Unit 1 : Business Research - Meaning - Purpose - Types of Business Research - Explorative and Experimental studies- Case study - Survey research- Significance of Research in Business Sciences- Ethics in business research- Steps in Research – Research Reconnaissance- Search and Review of Literature: Nature and Purpose - Identification, Selection and Formulation of Research Problem - Research Questions - Research Design - Hypothesis: Concept, Sources and Types- Formulation of Testable Hypotheses	1 st - 2 nd Week
Unit 2 : Measurement in Research - Measurement Scales – Nominal, Ordinal, Interval and Ratio Scales- From paired ordinal comparison developing Ratio scale- Important Scale construction techniques- Semantic Differential Scale construction - Construction of Likert’s Summated scale - Tests of sound measurement- Validity and its types- Reliability and measures thereof- Universality- Practicability, etc - Sources of errors in measurement and measures of control over them.	3 rd - 4 th Week
Unit 3: Sampling – Principles of Sampling Theory -Types of Sampling - Probability and Non-probability sampling - Steps in Sampling - Determinants of sample size - Estimation of Sample size given certain criteria and goals- Sampling and non-sampling Errors – Measures and control.	5 th -6 th Week
Unit 4 : Collection and Analysis of Data - Primary Data - Interview : Interview Schedule- Types of Interview- Questionnaire: Construction and Pre-requisites- administration- Observation: Types, Requisites and Tools- Suitability of each Mode- Pretest - Pilot study . Relevance and Mechanism.	7 th -8 th week
Unit 5 : Secondary data: Nature, Sources, Desirability and Precautions- Web sources- Opportunities and Threats- Sanitizing and Shaping up the data for analysis: Checking - corroboration - Editing - Coding – Transcription- Tabulation and types thereof- Pictorial Data Presentation : Need and Nuances – Analysis of Data: Purpose and Methods.	9 th -10 th week
Unit 6 : Structuring the Research Report: Chapter Format - Pagination - Using quotations - Presenting Foot-notes - Abbreviations - Presentation of tables and figures - Referencing of different types of sources- Documentation - Use and Format of appendices – Indexing- Linguistic aspects of report writing: Grammatical standards- Articulation- Lucidity- Flow- Clarity- Brevity.	11 th -12 th Week

REFERENCES

1	Scientific Social Surveys and Research	Young Pauline. V.
2	Methods in Social Research	Goode & Hatt.
3	Handbook of Qualitative Research	Norman K Denzin
4	Business Research Methods	Emory William C.
5	Thesis and Assignment Writing	Anderson
6	Research Methods in Commerce	Amarchand D (Edr).
7	Business Research Concepts and Practice	Earl R Babbie
8	Methodology of Research in Social Sciences	O.R. Krishnaswami & M. Ranganatham
9	An Introduction to Research Procedure in Social Sciences	Gopal M H.

Part I - Course: II – 6 Credits
STATISTICAL TECHNIQUES OF RESEARCH

Semester : ODD Semester	Course Code : 642102
Course Title	Statistical Techniques of Research

Course Description: The course is to train the learners in the application of statistical tools for Description, Association, Testing and Interpretation of business / economic/ commercial /managerial phenomena.. The art and science of deciding the type of statistics or statistical test to be applied in a given context be explained. The overall thrust is on making the candidates a fit researcher with comfortable knowledge in modern statistics..

Course Objectives

- | |
|---|
| 1. To understand the focus of qualitative and quantitative researches and appreciate the use of certain basic descriptive and associative statistics. |
| 2. To familiarise with correlation and regression models, especially multiple regression |
| 3. To develop skills in choosing the right statistical test- parametric and non-parametric- and apply the same. |
| 4. To familiarize the learners with concepts and techniques of certain higher statistical models. |

Course Outcome : The learners should be able to:

Choose an appropriate statistical tool for description of economic / business / commercial / managerial phenomena with quantitative emphasis. Design a statistical test for testing significance of values, relationship, fitness and the like and applying the same with useful drawing of conclusions with evidence., Gain Upgraded knowledge by the exposures to the applications of advanced statistical models of Tests, etc. Interpret the test results with conviction and contextual relevance.
--

SYLLABUS and SCHEDULE of COVERAGE
Part I Course II 642102 STATISTICAL TECHNIQUES OF RESEARCH

(2/3rd of the questions shall be problems)

Areas	Time Schedule
Unit 1: Qualitative and Quantitative Research Methods- Methods of Qualitative Research-Preponderance of Quantitative Research- Application of the Techniques of Statistics in Research –Intelligent use of Measures of Central Tendency, Measures of Dispersion, Measures of Symmetry & Asymmetry and Association of Attributes.	1 st - 2 nd Week
Unit 2: Measures of Relationship: Partial and Multiple Correlation and Regressions in research – Comparison of Multiple linear regression, Multiple nonlinear regression and Multiple logistic regression- Interpretation of Multiple regression coefficients.	3 rd - 4 th Week
Unit 3: Test of Hypothesis - Null Hypothesis and Alternative hypothesis - Level of Significance - Confidence Interval - Type I and Type II errors . Parametric tests : Testing of means - Testing for difference between means – Related / unrelated samples - Testing of Proportions - Testing for difference between Proportions - Testing for comparing variance, correlation coefficient and regression coefficient to hypothesized population variance, correlation coefficient and regression coefficient.	5 th -6 th Week
Unit 4 : Analysis of Variance: Uses and principles of ANOVA - Setting up analysis of variance table - One way, two way, two-way with interaction and Latin Square techniques - Coding method - Friedman test - Kruskal Wallis test- Post Hoc Tests in ANOVA: LSD, HSD and Scheffe's test.	7 th -8 th week
Unit 5 : Non-Parametric Tests: Nature and significance - Sign Test, Run Test, Cohen's kappa, Siegel-Tukey test and Mann-Whitney U test- Chi Square test : Nature and importance - Steps involved in applying Chi-Square test - Applications for test of goodness of fit, Relationship and Association- Yates Correction.	9 th -10 th week
Unit 6 : Concepts and applications of Canonical correlation, heteroscedasticity, Cronbach's alpha, Factor Analysis, Cluster analysis and Conjoint analysis- Elucidation of Autoregressive conditional heteroscedasticity (ARCH) and autoregressive moving average (ARMA) models.	11 th -12 th Week

REFERENCES

1	Modern Business Statistics	Ronald L Iman and W.T.Conover
2	Fundamentals of Statistics	S.C.Gupta
3	Statistics for Management	I.V.Levin
4	Statistical Methods for Business and Economics	Patterson
5	Research for Marketing Decisions	Green and Tull
6	Research Methodology - Methods & Techniques	C.R.Kothari
7	Statistical Methods	S.P.Gupta
8	Contemporary Marketing Research	Carl McDaniel Jr & Roger Gates
9	Methods of Statistical Analysis	P.S.Grewal

Part I – Course: III – 6 Credits

PROFESSIONAL COMPETENCIES

Semester : ODD Semester	Course Code : 642103
Course Title	Professional Competencies

Course Description: The course is to equip, enrich and enthuse the learners in the art and science of collegiate teaching with comfort and contemporary competencies. Enriching the General Awareness, Computer and IT Literacy, Net and Web Expertise, English Grammatical Nuances, Class Room Communication, and Pedagogical Strategies of the candidates is the focus of the course. The overall objective is to make the learners fit collegiate teachers with comfortable degree of modernized talents and with traditional dedication.

Course Objectives

1. To build and broaden the General Awareness level of the learners in their field of specialization and in the fields related to the same.
2. To augment the Computer Literacy/ Internet and Web Orientations of the candidates and familiarise them in application of IT in learning and teaching with advantage.
3. To develop the skills in English Grammatical Nuances and Class room communication styles of the learners by appropriate exposures and exercises.
4. To familiarize the learners with concepts and strategies of effective pedagogy.

Course Outcome : The learners should be able to:

Demonstrate and articulate the competency-set of an effective teacher in the present context
Enhance at ease the use of computers and IT gadgets in learning and teaching.
Strengthen the grammatical and communicational depths and widths and deliver the same to the fellow students and their students in future
Adopt effective ways of reaching the learning audience to inspire them to reach greater heights.

SYLLABUS and SCHEDULE OF COVERAGE

Areas	Time Schedule
<p>UNIT-1: General Awareness Knowledge and awareness on contemporary economic, social and business issues – Reports on industry analysis, trade analysis and export – import trends – Self-study through media clippings and cuttings – Identification and presentation of recent research problems in the chosen areas of specialization.</p>	1 st - 2 nd Week
<p>UNIT-2: IT Literacy and Internet Competency to use MS-Office – Word, Excel, Power Point applications – Creation of files / folders with easy access and retrieval – using web as a tool of keeping one abreast of knowledge – Receiving and sending mails through Net – Competency to download and save –ability to follow the right links to gain access to right sites quickly.</p>	3 rd - 4 th Week
<p>UNIT-3: Computers in Teaching-Learning and Research Competency to use Online Journals – Subscribing and sourcing of online research articles from database – EBSCO, Emerald Insight, PROWESS, Elsevier Science Direct – Subscribing to Online Research Forums – DocSig, Corporate Research Forum, SSRN, Global Development Network (GDN).</p>	5 th - 6 th Week
<p>UNIT-4: Classroom Communication Grammatically sound Presentations – Vocabulary Development – Testing of conceptual clarity through Quizzing, Mentoring and Tutoring skills – Two-way interactions – Quoting from periodicals – Nuances of written communication in preparing Lecture Notes and Caselets.</p>	7 th - 8 th Week
<p>UNIT-5: Pedagogical Skills Using Modern Methods of Teaching: Case Study method – Situational Analysis method – In Basket Exercises – Use of Multimedia tools – LCD Projectors and Laptops for presentations and interactive instructions – Games and simulation relevant to the area of specialization.</p>	9 th - 10 th Week
<p>UNIT-6: Evaluation Skills Evaluation – Need and objectives – Types – Self-evaluation of students and teachers – Students performance evaluation – Methods – Grading and Relative Grading – Student evaluation of teachers.</p>	11 th - 12 th Week

REFERENCES

Communication for the Classroom Teacher	Cooper, Pamela J, Simonds, Cheri
Teaching with the Internet: Lessons from the Classroom,	Deborah Diadiun Leu, Deborah Diadium Leu, Donald J. Leu, Katherine R. Leu
Class Room Communication and Instructional Processes,	Barbara Mae. Raymond W. Preiss Gayle

Part – I ELECTIVE COURSE – I (6 Credits)
644201 - ADVANCED LOGISTICS MANAGEMENT

Semester : EVEN Semester	Course Code : 644201
Course Title	Advanced Logistics Management

Course Description: The course is to introduce the concept of Logistics and Supply chain Management. The various functions of Logistics Management and its inter relationship is dealt. The course also deals with the quality management concepts that are relevant in the logistics operations and the various quality concepts like six sigma are also focused.

Course Objectives

1. To understand the fundamental concepts of logistics Functions and its significance with other functional areas of Management.
2. To understand the various types of Logistics and to focus on material handling, Warehousing and their applications.
3. To deal with the basics of Supply Chain Management and its nuances in Logistics industry.
4. To familiarize the learners with concepts and techniques of Quality Management and its applications in Logistics.
5. To impart knowledge on Reverse logistics and the quality consideration of reverse logistics in different sectors like electronics etc.

Course Outcome: The learners should be able to:

Find out solutions to the problems in warehousing and selection of suitable locations for warehousing with particular focus on specific industrial sectors.
 Choose a research problem and devise a design to probe the various problems in supply chain management and logistics quality management.
 Devise suitable suggestions for improving quality aspects in Reverse logistics.

SYLLABUS and SCHEDULE of COVERAGE

AREAS	TIME SCHEDULE
UNIT 1 Logistics management and Supply Chain management - Definition, Evolution, Importance. The concepts of logistics. Logistics relationships. Functional applications – HR, Marketing, Operations, Finance, IT. Logistics Organization - Logistics in different industries	1 st and 2 nd week
UNIT - II Logistics Activities: – functions, objectives, solution. Customer Service, Warehousing and Material Storage, Material Handling, order processing, information handling and procurement Transportation and Packaging. Third party and fourth party logistics - Reverse Logistics - Global Logistics	3 rd and 4 th Week
UNIT III Logistics location structure – Warehouse location patterns – Positioning warehouses – Transportation economies – Inventory economies – Least-total cost design – Trade-off relationships – Formulating logistical strategy – SCOR model - Service sensitivity analysis - Classical location problems - Strategic planning models for location analysis - Location models.	5 th and 6 th week
UNIT – IV Logistics and Quality: Quality Management Issues in Logistics - Risk and Quality Management in Logistics - Quality Framework in Closed Loop Supply Chains - Opportunities for Value Creation Quality Framework - Quality Framework for Evaluation - the Social Indicators - Social Responsibility and Quality – Environmental factors & its quality implications on Logistics .	7 th and 8 th Week
UNIT - V Reverse Logistics & Quality - Standardization of the Reverse Logistics Process - Characteristics and Added Value - Quality of Reverse Logistics - Consumer Electronics Recycling - Product recovery types- Quality Assurance – Recycling - Quality Assurance in Remanufacturing – Quality Concepts & approaches in Services – Applications of TQM, Six Sigma, 5S, Taguchi’s methods & other Quality techniques in Logistics.	9 th and 10 th Week
UNIT VI - Dynamic Component for Continuous Internal Assessment only: <i>Contemporary Developments Related to the Course during the Semester concerned.</i>	11 th and 12 th Week

REFERENCES

1. Bowersox, Logistical Management, Mc-Graw Hill, 2000
2. Reguram G, Rangaraj N, Logistics and Supply Chain Management Cases and Concepts, Macmillan India Ltd., New Delhi, 1999.
3. Coyle, Bradi & Longby, The Management of Business Logistics, 3rd Ed., West Publishing Co.
4. Yoanis Nikolaidis, ‘Quality Management in Reverse Logistics’, Springer, 2012
5. Wolfgang Kersten, Thorsten Blecker, Heike Flämig, ‘Global Logistics Management: Sustainability, Quality, Risks’, Erich Schmidt Verlag, 2008

Part – I ELECTIVE COURSE II (6 Credits)
644202 ADVANCED SUPPLY CHAIN MANAGEMENT

Semester : EVEN Semester	Course Code : 644202
Course Title	Advanced Supply Chain Management

Course Description: The course is to introduce the basic concepts of Supply Chain Management and its interrelationship with Logistics Industry. It also Imparts the nuances in designing Supply chain networks and the various types of methods adopted in designing Global supply chain networks. The course also deals with the problems in developing Sustainable Supply Chain Management with global perspective.

Course Objectives

1. To read and understand the advanced concepts of Supply chain Management and to identify various research problems in the area.
2. To develop and design sustainable supply chain management strategies to solve the management problems in the said area.
3. To develop measurement tools for analyzing the driving forces for understanding customer demand and managing supply.
4. To familiarize the learners with concepts and techniques of supply chain score cards and to develop scale of economies.
5. To design the future supply chain strategies for understanding sustainability gap and to find the solution.

Course Outcome : The learners should be able to:

Device a design to probe and solve it the problems in supply chain management independently.
 Design Measurement tools with a fair degree of Validity and Reliability to study the Naetwork design and study.
 Decide on the appropriate strategies for developing sustainable supply chain management.
 Understand the issues in Sustainable supply chain management and its importance in finding out sustainability in Global business.
 Find out solutions to understand the uncertainties in the sustainability gap analysis with the specific focus towards a particular sector.

SYLLABUS and SCHEDULE of COVERAGE

AREAS	TIME SCHEDULE
UNIT - I Supply Chains Strategic Framework - Understanding the Supply Chain - Supply Chain Performance - Achieving Strategic Fit and Scope - Supply Chain Drivers and Metrics - Sustainable Supply Chains (SSC) - Supply Chain Strategy for Sustainability - Best Practice in SCM - Need for SSCs - Implications of Modern SCM	1 st and 2 nd week
UNIT - II Supply Chain Network - Designing Distribution Networks and Applications to e-Business - Network Design in the Supply Chain - Designing Global Supply Chain Networks - Transportation in a Supply Chain -Supply Chain Management Quality - RFID Integrated Quality Management - SCM System for Logistics Networks - Cases of Damage.	3 rd and 4 th Week
UNIT III Managing Economies of Scale in a Supply Chain - Cross-Functional Drivers in a Supply Chain - Sourcing Decisions in a Supply Chain - Pricing and Revenue Management in a Supply Chain - Information Technology in a Supply Chain - Sustainability and the Supply Chain - Driving Forces for Sustainable Supply Chains - Customer Demand and Supply Chain Strategy	5 th and 6 th week
UNIT – IV Ingredients of a Sustainable Supply Chain Strategy - Developing SSC Strategy - SSC Scorecard - Measuring and Monitoring SSCs - Visible Supply Chain: Process, Product and Performance - Benefits and Use of Performance Measurement - Monitoring Strategy Implementation - Supply Chain Performance Measurement – Methods and Approaches - CRM	7 th and 8 th Week
UNIT - V Future Sustainable Supply Chains - Sustainability Gap - Critical Uncertainties in Supply Chain Management - Managing Within Your Organization - Managing Outside Your Organization - People Development and Managing the Organization - Standards and Infrastructure Constraints - Supply Chain Stakeholders - Action Fields for Sustainability in Customer and Supplier Relations	9 th and 10 th Week
UNIT VI - Dynamic Component for Continuous Internal Assessment only: <i>Contemporary Developments Related to the Course during the Semester concerned.</i>	11 th and 12 th Week

REFERENCES

Sunil Chopra, Peter Meindl, 'Supply Chain Management – Strategy, Planning, and Operation', Global Edition, 5th Edition, Pearson Education, Apr 2012

Cetinkaya, B., Cuthbertson, R., Ewer, G., Klaas-Wissing, T., 'Sustainable Supply Chain Management – Practical Ideas for Moving Towards Best Practice', Springer Publishers, 2011

Semester : EVEN Semester	Course Code : 642104
Course Title	DISSERTATION & VIVA-VOCE

Course Description: The researchers are expected to identify a research topic in consultation with the allotted research supervisor in the domain of logistics management. The researcher is expected to carry out the work during the even semester of the programme. Mid-term review will be conducted to monitor and fine tune the research work so as to make it time bound and result oriented.

During the end of the semester, the researcher has to submit a synopsis and the dissertation of their work.

Course Objectives

1. To make the researcher to re-visit the fundamentals of logistics management
2. To enable them to crystallize the research topics
3. To inculcate the research culture among the researchers
4. To provide them to adopt and use the appropriate statistical tools in their chosen area of research
5. To enable them to come out with a research report that qualifies for the programme

Course Outcome :

1. This will be in the form of a dissertation leading to the M.Phil. degree
2. The researchers will be equipped to pursue higher research
3. There is adequate scope for the researchers to develop themselves as consultants in the field of logistics and supply chain management

Evaluation of the dissertation will be done as per the University norms and the results will be submitted to the Controller of Examinations for declaring the result.