ACADEMIC AFFAIRS OFFICE INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

No. Acd./ 737 /IAPC-97 Dated: February 06, 2021

Head, Department of Management Studies

The IAPC (97th meeting, under Item No. 97.3.2) has approved the modified syllabi received from Department of Management Studies for MBA Term 3.

The modified syllabi are attached as **Appendix-A**.

Assistant Registrar (Curriculum)

Reeti

Encl: as above

Copy to (through e mail):-

- 1. All faculty
- 2. All Heads of Departments/ Centres
- 3. Dean, Academic Affairs
- 4. Associate Dean of Academic Affairs (Curriculum)
- 5. Channel I/ Acad portal/ Academic webpage of iitr.ac.in

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

1. Subject Code: BMN-519 Course Title: Production and Operations Management 2

2. Contact Hours: L: 4 T: 0 P: 0

3. Examination Duration (Hrs.): Theory: 3 Practical: 0

4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0

5. Credits: 2 **6. Term:** Third

7. Pre-requisite: Nil 8. Subject Area: PCC

9. Objective: To provide a systemic view of operations management and its role in the total enterprise management.

10. Details of the Course

S.No.	Contents	Contact
		hours
1.	Layout designs, Product, process, cellular layouts, layout in service systems,	1
	line balancing	4
2.	Location Strategies, methods of evaluating location alternatives, service	2
	location strategy	2
3.	JIT and Lean Operations	3
4.	Quality Management, cost of quality, Total quality management, Quality	5
	tools, Contribution of quality Gurus	3
5.	Statistical Quality Management, Six Sigma, Acceptance Sampling	5
6.	Maintenance Management, Reliability, TPM, Overall Equipment	4
	Effectiveness	4
7.	Sustainable operations Management, sustainable manufacturing	3
8.	New Challenges in Operations Management, Use of IT in operations	2
	Management	2
	Total	28

S.No.	Name of Authors/Book/Publisher	Year of
		Publication / Reprint
1.	Chase, RB., Jacobs, RF., Aquileno, N.J. and Agarwal, N.K.,	2009
	"Operations Management for Competitive Advantage", 11th	
	Edition McGraw-Hill	
2.	Gaither, N. and Frazier, G., "Operations Management", 9th	2004
	Edition, Cengage Learning	
3.	Buffa, E. S. and Sarin, R., "Modem Production and Operations	2009
	2009 Management", 8th Edition, John Wiley and Sons	
4.	William J Stevenson, Operations Management, 12th Edition,	2017
	McGraw Hill	

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

1. Subject Code: BMN-520 Course Title: Human Resource Management

2. Contact Hours: L: 4 T: 0 P: 0

3. Examination Duration (Hrs.): Theory: 3 Practical: 0

4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0

5. Credits: 2 **6. Term:** Third

7. Pre-requisite: Nil 8. Subject Area: PCC

9. Objective: To create an understanding of the various facets of managing people and of policies and practices relating to the management of human resources.

10. Details of the Course

S.No.	Contents	Contact
		hours
1.	HRM - Introduction/Strategic Role Concepts and Perspective on Human	2
	Resource Management; Role of HRM in a competitive business environment	
2.	Job Analysis-Introduction, process of Job Analysis ,Competency Approach	3
	to Job Analysis ,Methods of Collecting Job Analysis Data, Job Description,	
	Job Specification, Role Analysis	
3.	HR Planning-Features, Objective, Importance, Process of HRP, Effective	3
	HRP, Markov Analysis.	
4.	Recruitment-Definition, Constraints and Challenges, Source of Recruitment,	3
	Methods of Recruitment, Selection Definition, Process, Interview	
	Techniques.	
5.	Training & Development Process Training and developing employees,	2
	Training Methods, Evaluation of training program	
6.	Performance and Potential Appraisal - Concept of Appraisal Techniques for	3
	Appraising Performance, Potential Appraisal, Performance Appraisal	
	Practices in India	
7.	Compensation Management –Introduction, Compensation Planning,	3
	Wages & Salary Administration, Wage Policy, HRA-Introduction, Personal	
	Records and Reports.	
8.	Introduction to IR-Health and Safety, Employee Welfare, Employee	2
	Grievances and Discipline, Collective Bargaining.	
9.	Participation and Empowerment, Trade unions and employers' associations,	2
	Industrial Relations and Industrial Disputes	
10.	Career and Succession Planning –Concept of Career, Career Planning, Career	3
	Stages, Career Development, Career Management, Succession Planning,	
	Succession Development.	
11.	Current business trends and its impact on HR: Emerging HR issues	2
	And contemporary HR concepts and practices.	
	Total	28

S.No.	Name of Authors/Book/Publisher	Year of
		Publication / Reprint
1.	Gary Dessler & Biju Varkkey , Human Resource	2019
	Management(15 th Edition) Pearson India Education Pvt. Ltd.	
2.	John M Ivancevich , Human Resource Management(11th	2017
	Edition), The McGraw-Hill Companies	
3.	V S P Rao , Human Resource Management(3 rd Edition) Excel	2010
	Books.	

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

1. Subject Code: BMN-521 Course Title: Financial Management -1

2. Contact Hours: L: 3 T: 0 P: 0

3. Examination Duration (Hrs.): Theory: 2 Practical: 0

4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0

5. Credits: 1.5 **6.** Term: Third

7. Pre-requisite: Nil 8. Subject Area: PCC

9. Objective: To acquaint the MBA students with the fundamentals of corporate finance and financial management beginning with financial planning and ending with financial control.

10. Details of the Course

S.No.	Contents	Contact
		hours
1.	Financial management: an overview, Fundamentals of corporate finance,	
	Financial Decisions in a Firm, Goals of Financial Management, The	2
	Fundamental Principle of Finance, Building Blocks of Modern Finance.	
2.	Financial Planning and forecasting. Need of Financial Planning, Sales	
	Forecast, Proforma Profit and Loss Account, Proforma Balance Sheet,	3
	Growth and External Financing Requirements.	
3.	The Time Value of Money, Future Value of a Single Amount, Future Value	
	of an Annuity, Present Value of a Single Amount, Present Value of an	4
	Annuity, Intra-year Compounding and Discounting.	
4.	Techniques of Capital Budgeting. Importance, Capital Budgeting Process,	
	Project Classification, Investment Criteria, Net Present Value, Benefit Cost	4
	Ratio, Internal Rate of Return, Modified Internal Rate of Return, Payback	4
	Period, Accounting Rate of Return.	
5.	Estimation of project cash flows. Elements of the Cash Flow Stream,	
	Principles of Cash Flow Estimation, Cash Flows for a Replacement Project,	4
	Biases in Cash Flow Estimation.	
6.	Risk analysis in capital budgeting. Sources and Perspectives of Risk,	
	Sensitivity Analysis, Scenario Analysis, Break-even Analysis, Hillier Model,	4
	Simulation, Analysis, Decision Tree Analysis, Corporate Risk Analysis,	4
	Managing Risk, Project Selection under Risk, Risk Analysis in Practice.	
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		Publication / Reprint
1.	Richard Brealey and Stewart Myers and Franklin Allen,	2020
	"Principle of Corporate Finance", 13th edition, McGraw-	
	Hill Education.	
2.	Chandra, P., "Financial Management: Theory & Practice", 10 th	2019
	Edition, McGraw-Hill Education.	

3.	Eugene, F. Brigham & Michael C. Ehrhardt, "Financial	2017
	Management: Theory & Practice" 15th Edition, Cengage	
	Learning.	
4.	Stephen A. Ross, Randolph W. Westerfield, Jeffrey	2017
	Jaffe, Bradford D. Jordan, & Ram Kumar Kakani,	
	"Corporate Finance", 11th edition, McGraw-Hill Education.	
5.	Van Horne, J.C., "Financial Management and Policy", 12 th	2015
	Edition, Pearson publishing.	
6.	Pandey, I.M., "Financial Management', 11th Edition, Vikas	2015
	Publishing House	

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

1. Subject Code: BMN-522 Course Title: Strategic Management-1

2. Contact Hours: L: 4 T: 0 P: 0

3. Examination Duration (Hrs.): Theory: 3 Practical: 0

4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0

5. Credits: 2 **6.** Term: Third

7. Pre-requisite: Nil 8. Subject Area: PCC

9. Objective: To impart knowledge for developing long range strategic plans for any organization.

10. Details of the Course

S.No.	Contents	Contact
		hours
1.	Conceptual foundation of strategy and evolution of strategic management,	3
	strategy-making process	
2.	Vision and mission analysis, goals, objectives, policies and business model	3
3.	Environmental scanning covering both the internal firm environment (RO	3
	Model and Industry Model), and external environment	
4.	Internal and External perspective of Value Chains with reference to Industry	2
	Analysis	
5.	Acknowledgement of Organizational Life Cycle Stages and Strategic	2
	Choices with references to Vision	
6.	Strategy Formulation Business Level strategy, low cost strategies,	2
	differentiation strategies, Competitive strategies, Strategies and Tactical	
	Perspective	
7.	Cooperative strategies, collusion, strategic alliances, joint ventures, mergers	4
	and acquisitions and the process of due diligence	
8.	Intermediary strategic analysis and choice augmentation	2
9.	Strategy and Globalization and Localization	2
10.	Strategic implementation- staffing the organization, developing and building	3
	critical resources and capabilities, matching organizational structure to the	
	strategy	
11.	Strategic monitoring- evaluation process, criteria and methods, strategy-	2
	evaluation activities	
	Total	28

S.No.	Name of Authors/Book/Publisher	Year of
		Publication / Reprint
1.	Thompson, A.J., Peteraf, M., Gamble, J. and Strickland, A.,	2017
	"Crafting & Executing Strategy: The Quest for Competitive	
	Advantage: Concepts and Cases", 21st Ed., McGraw-Hill	
	Higher Education	
2.	Kim, W.C. and Mauborgne, R.A., "The Blue Ocean Strategy:	2015
	How to Create Uncontested Market Space and Make the	
	Competition Irrelevant", Harvard Business Press	

3.	Reeves M., Haanaes K. and Sinha J., "Your Strategy Needs a	2015
	Strategy: How to Choose and Execute the Right Approach",	
	Harvard Business Review Press	
4.	Mootee, I., "Design Thinking for Strategic Innovation: What	2013
	They Can't Teach You at Business or Design School", Wiley	
5.	David, F.R. and David, F.R., "Strategic Management: A	2009
	Competitive Advantage Approach: Concepts and Cases", 16 th	
	Ed., Pearson	
6.	Markides, C., "All the Right Moves: A Guide to Crafting	2000
	Breakthrough Strategy", Harvard Business Press	
7.	Hamel, G., "Leading the Revolution", Harvard Business	2000
	School Press	

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

1. Subject Code: BMN-523 Course Title: Advanced Statistics

2. Contact Hours: L: 3 T: 1 P: 0

3. Examination Duration (Hrs.): Theory: 3 Practical: 0

4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0

5. Credits: 2 **6.** Term: Third

7. Pre-requisite: Nil 8. Subject Area: PCC

9. Objective: To provide knowledge of statistics for business decision making.

10. Details of the Course

S.No.	Contents	Contact
		hours
1.	Introduction, Chi-Square as a Test of Independence, Chi-Square as a Test of	4
	Goodness of Fit, Analysis of Variance (ANOVA), Inferences about a	
	Population Variance, Inferences about Two Population Variance	
2.	Introduction, Estimation Using Regression Line, Correlation Analysis,	4
	Making Inference about Population Parameters, Using Regression and	
	Correlation Analyses: Limitations, Errors and Caveats	
3.	Multiple Regression and Correlation Analysis, Finding the Multiple-	4
	Regression Equation, The Computer and Multiple Regression, Making	
	Inferences about Population Parameters, Modeling Techniques	
4.	Introduction to Nonparametric Statistics, The Sign Test for Paired Data	4
	Rank Sum Test: The Mann-Whitney u Test and The Kruskal-Wallis Test,	
	The One-Sample Runs Test, Rank Correlation, The Kolmogorov-Smirnov	
	Test	
5.	Introduction, Variations in Time Series, Trend Analysis, Cyclical Variation,	4
	Seasonal Variation, Irregular Variation, A Problem Involving all Four	
	Components of Time Series, Time series analysis in forecasting	
6.	Defining an Index Number, Unweighted Aggregates Index, Weighted	4
	Aggregates Index, Average of Relative Methods, Quality and Values Indices,	
	Issues in Constructing and Using Index Numbers	
7.	The Decision Environment, Expected Profit under Uncertainty, Using	4
	Continuous Distributions: Marginal Analysis, Utility as a Decision Criteria,	
	Helping Decision Makers Supply the Right Probabilities, Decision Tree	
	Analysis	
	Total	28

S.No.	Name of Authors/Book/Publisher	Year of
		Publication / Reprint
1.	Richard I. Levin, David S.Rubin, M.H.Siddiqui and Sanjay	2017
	Rastogi, "Statistics for Management", Pearson, 8 th Ed.	
2.	Ken Black, "Business Statistics: For Contemporary Decision	2016
	Making", Wiley, 9th Ed.	

3	3.	Dennis J. Sweeny, Thomas A. Williams, Jeffery D. Camm,	2017
		James Cochran, "Statistics for Business & Economics", South	
		Western Publication, 13 th Ed.	
4	4.	David M. Levine, David. F. Stephen, K.A. Szabat, "Statistics	2017
		for Managers Using Microsoft Excel" Pearson, 7th Ed	

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

1. Subject Code: BMN-524 Course Title: Consumer Behaviour Analysis

2. Contact Hours: L: 2 T: 0 P: 0

3. Examination Duration (Hrs.): Theory: 2 Practical: 0

4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0

5. Credits: 1 **6. Term:** Third

7. Pre-requisite: Nil 8. Subject Area: PCC

9. Objective: To develop an understanding of the consumer decision making process and its application in marketing functions of firms.

10. Details of the Course

S.No.	Contents			
		hours		
1.	Introduction to Consumer behavior analysis, Consumer behavior	2		
	determinants, Outcomes of consumer decisions			
2.	Creating marketing strategies for customer centric organization: from market			
	analysis to market strategy, role of consumer behavior			
3.	Consumer Decision Process, Model decision process, Types of decision			
	process, factors influencing the extent of problem solving			
4.	Pre-purchase processes, Need recognition, Search and evaluation			
5.	Purchase-to buy or not to buy, retailing and the purchase process,			
	determinants of retailers success or failure, changing retail landscape.			
6.	Post purchase processes- Consumption behavior, consumption experiences,			
	post consumption evaluations.			
Total				

S.No.	Name of Authors/Book/Publisher	Year of
		Publication / Reprint
1.	Blackwell, R. D, Miniard. P. W., Engel, J.F., and Rahman, Z.,	2017
	Consumer Behavior, 10/e, Cengage	
2.	Schiffman. L., et al. Consumer Behaviour 12/e, Pearson.	2018
3.	Solomon, M, R., Consumer Behavior: Buying, Having, 10/e,	2016
	PHI Publications	
4.	Graham, J. F., Critical Thinking in Consumer Behavior: Cases	2009
	and Experiential Exercises, 2/e, Pearson	
5.	Assael. H., Consumer Behavior: A Strategic Approach, 1/e,	2003
	Cengage Learning	

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

1. Subject Code: BMN-525 Course Title: Digital Transformation and Business

2. Contact Hours: L: 3 T: 0 P: 0

3. Examination Duration (Hrs.): Theory: 2 Practical: 0

4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0

5. Credits: 1.5 **6.** Term: Third

7. Pre-requisite: Nil 8. Subject Area: PCC

9. Objective: The objective of this course is to understand the economics of information and explore how it determines digital transformation of businesses.

10. Details of the Course

S.No.	Contents	
		hours
1.	Digital transformation: economics of information, network economy, economics of networks, digital markets	2
2.	Information goods: differential pricing, signaling and screening, bundling and aggregation, Search and competition	4
3.	Two-sided networks and platform competition, Pricing at zero, The long tail	4
4.	4. Targeted online advertising- Measurement, analytics, and experimentation	
5.	. Open source and IPR, IT-Based Experimentation, replication & innovation	
6.	Digital advantage, Future of the Information Economy	
Total		

S.No.	Name of Authors/Book/Publisher	Year of
		Publication / Reprint
1.	Shapiro, C., and Varian, H., Information Rules: A Strategic	1998
	Guide to the Network Economy. Cambridge: Harvard	
	Business School	
2.	Brynjolfsson, E. and B. Kahin. Understanding the Digital	2000
	Economy: Data, Tools, and Research	
3.	Rogers D., The Digital Transformation Playbook – Rethink	2016
	Your Business for the Digital Age (Columbia Business School	
	Publishing)	
4.	Brynjolfsson, Erik, and Adam Saunders. Wired for Innovation:	2009
	How Information Technology is Reshaping the Economy.	
	Cambridge, MA: MIT Press	
5.	Varian, Hal, Joe Farrell, and Carl Shapiro. The Economics of	2005
	Information Technology: An Introduction. Cambridge, UK:	
	Cambridge University Press	

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

1. Subject Code: BMN-526 Course Title: Project Management

2. Contact Hours: L: 3 T: 0 P: 0

3. Examination Duration (Hrs.): Theory: 2 Practical: 0

4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0

5. Credits: 1.5 **6.** Term: Third

7. Pre-requisite: Nil 8. Subject Area: PCC

9. Objective: To provide an integrative approach to management of projects, detailing the concepts of various phases of the Project Life Cycle and also the different Knowledge Areas of Project Management including agile methodology

10. Details of the Course

S.No.	Contents	Contact hours
1.	Introduction - Project and Project characteristics, project life cycles, Determinants of project success, Developing project management maturity, Project Elements	2
2.	Project Selection and Portfolio Management : Project Selection, Approaches to Project Screening and Selection, Financial Models, Project Portfolio Management, Analytic Hierarchy Process	2
3.	Project Management Processes for a Project: Project Management Processes, Project management Process Groups, Process Interactions, Project Management Process Mapping, The Project Management Knowledge Areas	2
4.	Project Integration Management: Develop Project Charter, Develop Preliminary Project Scope Statement, Develop Project Management Plan, Direct and Manage Project Execution, Monitor and Control Project Work, Integrated Change Control, Close Project Project Scope Management: Scope Planning, Scope Definition, Create Work Breakdown Structure(WBS), Scope Verification, Scope Control	3
5.	Project Schedule Management: Activity Definition, Activity Sequencing, Activity Resource Estimating, Activity Duration Estimating, Schedule Development, Schedule Control, CPM &PERT, Earned Value Analysis Project Cost Management: Cost Estimating, Cost Budgeting, Cost Control	4
6.	Project Quality Management: Quality Planning, Perform Quality Assurance, Perform Quality Control, Six Sigma Project Resource Management: Resource Planning, Develop Project Team, Manage Project Team, Control Resources Project Communications Management: Communications Planning, Information Distribution, Performance Reporting, Manage Stakeholders	3
7.	Project Risk Management: Risk Management Planning, Risk Identification, Qualitative Risk Analysis, Quantitative Risk Analysis, Risk Response Planning, Risk Monitoring and Control	2
8.	Project Procurement Management: Plan Purchases and Acquisitions, Plan Contracting, Request Seller Responses, Select Sellers, Contract Administration, Contract Closure	3

Project Stakeholder Management: Identifying Stakeholders, Managing and	
Monitoring Stakeholder Engagement	
Agile, Iterative, Adaptive and Hybrid Project Environments	
Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		Publication / Reprint
1.	Jeffrey K. Pinto, "Project Management" Pearson publication,	2016
	4 th edition	
2.	"A guide to the Project Management Body of Knowledge	2017
	(PMBOK guide)" Project Management Institute; 6th edition	

NAME OF DEPARTMENT/CENTRE: Department of Management Studies

1. Subject Code: BMN-527 Course Title: International Business

2. Contact Hours: L: 3 T: 0 P: 0

3. Examination Duration (Hrs.): Theory: 2 Practical: 0

4. Relative Weightage: CWS: 50 PRS: 0 MTE: 0 ETE: 50 PRE: 0

5. Credits: 1.5 **6.** Term: Third

7. Pre-requisite: Nil 8. Subject Area: PCC

9. Objective: To familiarize students with international trade and investment, global monetary system, strategies and structure of IB.

10. Details of the Course

S.No.	Contents	
		hours
1.	International Business- Importance, nature and scope; Modes of entry into	4
	international business; Management of international business operations –	
	complexities and issues; IT and international business, India's involvement	
	in International Business. Internationalization stages and orientation (EPRG	
	framework), LPG framework	
2.	Comparative environmental Frameworks-Cultural, political, legal, and	4
	economic environment facing business	
	Theories and institutions of trade and investment- international trade theory,	
	government influence of trade, regional economic integration and	
	cooperative agreements, factor mobility and FDI	
3.	World financial environment: Foreign exchange market, determination of	3
	exchange rates	
	Dynamics of international business-government relationships: Government	
	policy and plan for FDI, IB negotiation and diplomacy	
4.	Foreign Trade Promotion Measures and Organizations in India: Special	4
	economic zones (SEZs) and 100% export-oriented units (EOUs); Measures	
	for promoting foreign investments into and from India; Indian joint ventures	
	and acquisitions abroad.	2
5.	International Economic Institutions and Agreements: WTO,IMF, World	3
	bank, UNCTAD, Agriculture Agreement; GATS; TRIPS; TRIM	2
6.	Regional Economic Integration: Free trade area, customs union and common	3
	market; Theory of customs union; Trade creation and diversion effects;	
	Regionalism vs. multilateralism; Structure and functioning of EC and	
	NAFTA; Regional Economic Cooperation. European Union (EU), ASEAN,	
	SAARC, NAFTA	21
	Total	21

S.No.	Name of Authors/Book/Publisher	Year of
		Publication / Reprint
1.	Hill, C.W.L. etal., "International Business", 10 th Edition,	2018
	McGraw-Hill	
2.	Daniels/Salwan, International Business environments and	2016
	operations, 15 th edition, Pearson publications	
3.	Sundaran/Black, International Business Environment, 10 th	2015
	edition, Pearson	