



Department of Commerce

Manipal Academy of Higher Education, Manipal

Outcome-Based Education (OBE) Framework

Two-Year Full-time Postgraduate Programme

M.Sc. (Financial Economics)

2022 Regulations

1. NATURE AND EXTENT OF THE PROGRAMME

Phenomenal growth and striking changes witnessed in the financial sector due to co-integration of financial sector globally. As a result, there is increasing demand for specialists in financial markets and economics who have undergone rigorous training in applied economics and finance, econometrics, and quantitative finance. Programmes in Financial Economics aim to develop graduates with attributes that match this requirement of financial sector. Department of Commerce launched M.Sc. (Financial Economics) programme in 2018 of two-year duration. The programme would benefit the students through an understanding of scientific contributions in the field of financial economics, by equipping them with required quantitative techniques and complex financial decision-making tools in a rapidly changing macroeconomic environment, and by strengthening their analytical and critical thinking skills. Thus, the programme is intended to help the students to develop their economic and financial analytical skills for a wide range of career opportunities in the field of financial sector and relevant academic fields. The courses in the programme are designed in close consultation with all the stakeholders including students, alumni, and subject and industry experts. The courses are delivered by, experienced academicians and industry practitioners, bridging the gap between theories and their applicability in the financial economics domain. Further, the programme will help the students for career in the financial sector as well as for higher studies.

2. PROGRAMME EDUCATION OBJECTIVES (PEO)

The programme education objectives of the Learning Outcomes-based Curriculum Framework (LOCF) for M.Sc. (Financial Economics) programme are as follows.

PEO No	Programme Education Objectives
PEO 1	Students will have necessary knowledge and expertise in the field of Financial Economics to achieve professional excellence.
PEO 2	Students will have expertise in the application of economics, finance, and econometric theories in financial markets, financial analysis, and research.
PEO 3	Students will use the analytical competencies in the field of Financial Economics to undertake diverse careers in financial markets, financial analysis, and research.
PEO 4	Students will attain a personality that enables them to think independently, argue critically, solve problems, and communicate effectively in team reflecting their core competency.
PEO 5	Students will demonstrate academic and professional competencies to undertake research and higher studies for their continuous growth and development and lifelong learning.
PEO 6	Students will be responsible citizens and leaders demonstrating ethical behaviour in their actions in the business or academic organisations and teams.

3. GRADUATE ATTRIBUTES:

S No.	Attribute	Description
GA 1	Disciplinary Knowledge	Financial Economics graduates have comprehensive knowledge and understanding of their domain, the ability to engage with different traditions of thought, and the ability to apply their knowledge in practice including in multi-disciplinary or multi-professional contexts.
GA 2	Understanding different subsets of financial economics	Financial Economics graduates understand the financial markets, macro-economic variables, policy changes and their implications at micro and macro level.
GA 3	Self-awareness and emotional intelligence	Financial Economics graduates are self-aware and reflective; they are flexible and resilient and have the capacity to accept and give constructive feedback; they act with integrity and take responsibility for their actions.
GA 4	Effective and Influencing communication	Financial Economics graduates are Effective and Influencing communicators, have the ability to share thoughts, ideas, and applied skills of communication in different perspectives.
GA 5	Leadership readiness/ Qualities	Financial Economics graduates engage in professional behaviour and have the potential to be a leader and take multiple facets of leadership roles in their chosen occupations or careers and communities.
GA 6	Critical/ Reflective thinking & language efficiency	Financial Economics graduates are effective critical and reflective thinkers and create a sense of awareness of oneself and society.
GA 7	Digital Capabilities	Financial Economics graduates are well prepared for living, learning and working in a digital society.
GA 8	Intercultural and Ethical competency	Financial Economics graduates are responsible and effective global citizens whose personal values and practices are consistent with their roles as responsible members of society.
GA 9	Lifelong Learning	Financial Economics graduates possess a lifelong learning attitude to consistently update themselves with contemporary knowledge, skills, and technologies.
GA 10	Research-related Skills	Financial economics graduates will develop a sense of inquiry and investigation for raising relevant and contemporary research questions, synthesise, and articulate results.
GA 11	Cooperation/ Teamwork	Financial Economics graduates will build a team, inspire and motivate team members by conveying ideas and information effectively to contribute in a positive and collaborative manner to achieve common goals.

4. QUALIFICATIONS DESCRIPTORS

a. Demonstrate

(i) a systematic, extensive and coherent knowledge and understanding in the field of economics and finance as a whole and its applications, and links to related disciplinary areas/subjects of study; including a critical understanding of the established theories, principles, and concepts, and many advanced and emerging issues in the field of economics and finance;

(ii) procedural knowledge that creates different types of professionals related to the sectors of economics and finance, including research and development, teaching and government and public service;

(iii) professional and communication skills in the economics and finance domain including a critical understanding of the latest developments, and an ability to use established techniques.

b. Demonstrate comprehensive knowledge about materials, including current research, scholarly, and/or professional literature, relating to essential and advanced learning areas, techniques and skills required for identifying problems and issues associated in the field of Economics and Finance.

c. Demonstrate skills in identifying information needs, collection of relevant quantitative and/or qualitative data from a wide range of sources, for the analysis and interpretation to take financial decisions.

d. Apply appropriate methodologies for formulating evidence-based solutions and arguments. Use knowledge, understanding, and skills for a critical assessment of a wide range of ideas and complex problems and issues relating to economics and finance.

e. Use of research, development, and professional materials as appropriate, including those related to new frontiers of knowledge in the domain of economics and finance.

f. Apply disciplinary knowledge and transferable skills to new/unfamiliar contexts and to identify and analyse problems and issues and seek solutions to real-life problems.

5. PROGRAMME OUTCOMES:

After successful completion of M.Sc. Financial Economics Programme, Students will be able to:

Program Outcomes	Attribute	Competency
PO 1	Domain knowledge	Apply the fundamental knowledge of Economics, Financial Economics, and Econometrics.
PO 2	Problem analysis	Identify, formulate, and analyse economic and business problems reaching substantiated conclusions applying principles of Economics, Financial Economics, Econometrics, and Financial Mathematics.
PO 3	Design/develop solutions	Design solutions for economic and business problems through appropriate strategies by applying the fundamentals and practices of different functional areas of Applied Economics and Finance.
PO 4	Conduct investigations of complex problems	Use research techniques and contemporary Economics and Finance knowledge, including the design of analysis, and interpretation of economic and financial data, and synthesis of the information to provide valid conclusions.
PO 5	Modern tool usage	Create, select, and apply appropriate analytical techniques, resources, and research tools for better economic and financial decisions.
PO 6	Business and society	Apply reasoning and Economics and Finance domain knowledge to assess societal, economic, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional management practice.

PO 7	Environment and sustainability	Appraise the impact of the solutions for economic and business problems in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable business and economic development.
PO 8	Ethics	Apply ethical principles, professional ethics, responsibilities, and norms to the business and societal practice.
PO 9	Individual / Teamwork	Function effectively as an individual, member or leader in diverse teams, and multidisciplinary situations.
PO 10	Communication	Communicate effectively on complex business activities and solutions with the community and with society at large, such as being able to comprehend and write effective reports, design documents, and make effective presentations.
PO 11	Project management and finance	Demonstrate knowledge and understanding of economic and financial principles and apply these to evaluate new and existing projects for effective decision making.
PO 12	Life-long learning	Engage in independent and life-long learning in the broadest context of technological and policy changes.

Course Structure - First Year

Semester-1

Semester-2

Course Code	Course Title	L	T	P	C	Course Code	Course Title	L	T	P	C
MSFE5101	Advanced Microeconomics	4	-	-	4	MSFE5201	Advanced Macroeconomics	4	-	-	4
MSFE5102	Security Analysis and Portfolio Management	4	-	-	4	MSFE5202	Financial Econometrics-II	2	-	4	4
MSBA5102	Statistical methods with R	2	-	4	4	PMOOC011 to PMOOC015	Self-Directed Learning (Any One)	-	1	-	1
MSFE5103	Financial Econometrics-I	2	-	4	4		Programme Elective (Any Two)				
MSFE5104	Corporate Finance	4	-	-	4	MSFE5203	Corporate valuation	4	-	-	4
	Total	16	-	8	20	MSFE5204	Financial Risk Management	4	-	-	4
						MSFE5205	Fixed Income Securities	4	-	-	4
						MSFE5206	International Finance	4	-	-	4
							Open Elective (Any One)				
						PGOEC002	Mindfulness and wellbeing	3	-	-	3
						PGOEC003	Ethical Leadership	3	-	-	3
						PGOEC004	Critical and Creative Thinking	3	-	-	3
							Total	17	1	4	20



Course Structure - Second Year

Semester-3

Semester-4

Course Code	Course Title	L	T	P	C		Course Code	Course Title	L	T	P	C
MSFE6301	Programming with Python	1	-	2	2			(Any one)				
MSFE6302	Systematic Review and Research Ethics	4	-	-	4		MSFE6401.1	Research Dissertation	-	20	-	20
MSFE6303	Minor Project	-	2	-	2		MSFE6401.2	Semester Abroad	-	20	-	20
	Elective (Any Three)						MSFE6401.3	Industry Internship	-	20	-	20
MSFE6304	Asset Pricing Theory	4	-	-	4			Total	-	20	-	20
MSFE6305	Research in corporate finance	4	-	-	4							
MSFE6306	Economics of Money and Banking	4	-	-	4							
MSFE6307	Behavioural Economics for Public Policy	4	-	-	4							
	Total	17	2	2	20							