Nagindas Khandwala College (Autonomous)

Name of the Programme: Master of Arts in Economics (M.A. Eco)
Programme Code: PMAECO

PROGRAMME OBJECTIVES

PO–1: To get comprehensive knowledge of advanced economic concepts and theories pertaining to Microeconomics, Macroeconomics, Development Economics, Public Economics, Agricultural Economics, International Economics, Industrial Economics and Banking.

PO– 2: To understand socio-economic problems, explain the changing role of the Government and illustrate the use of various tools of decision making.

PO–3: To apply conceptual knowledge and prepare for NET/ SET, Competitive and Managerial Cadre Examinations to become employable in Higher Education, Banking and Industry, Financial Institutions, the Corporate Sector and Government Departments.

PO–4: To analyse sectoral problems of the economy and pursue higher education and research in the field of Microeconomics, Macroeconomics, Development Economics, Public Economics, Agricultural Economics, International Economics, Industrial Economics and Banking.

PO –5: To develop ethical value systems, awareness about gender issues, sensitisation to issues concerning the marginalised & environmental sustainability and design policies to become employable in NGOs, journalism and in the field of Corporate Social Responsibility.

PO – 6: To evaluate the trends in economic policies and reforms introduced at the micro and macro level in the context of globalisation.

PROGRAMME OUTCOMES

After completing the two years of **Master of Arts** Programme **in Economics (M.A. Economics)**
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PO–1: The Learners will be able to get comprehensive knowledge of advanced economic concepts and theories pertaining to Microeconomics, Macroeconomics, Development

Economics, Public Economics, Agricultural Economics, International Economics, Industrial Economics and Banking.

PO– 2: The Learners will be able to understand socio-economic problems, explain the changing role of the Government and illustrate the use of various tools of decision making.

PO–3: The Learners will be able apply conceptual knowledge and prepare for NET/ SET, Competitive and Managerial Cadre Examinations to become employable in Higher Education, Banking and Industry, Financial Institutions, the Corporate Sector and Government Departments.

PO–4: The Learners will be able to analyse sectoral problems of the economy and pursue higher education and research in the field of Microeconomics, Macroeconomics, Development Economics, Public Economics, Agricultural Economics, International Economics, Industrial Economics and Banking.

PO –5: The Learners will be able to develop ethical value systems, awareness about gender issues, sensitisation to issues concerning the marginalised & environmental sustainability and design policies to become employable in NGOs, journalism and in the field of Corporate Social Responsibility.

PO – 6: The Learners will be able to evaluate the trends in economic policies and reforms introduced at the micro and macro level in the context of globalisation.

Course Outcomes:

Semester I

Microeconomics -I

1611PMEMI

Course Objectives

1. To identify advanced concepts of Utility.
2. To illustrate different Production functions.
3. To discover advanced concepts of Cost and Profit.
4. To analyse General Equilibrium and Welfare Economics.

5. To compare Price and Output determination under Perfect Competition, Monopoly and Monopsony.
6. To evaluate the different theories of Factor Pricing.

Course Outcomes

1. **CO 1** The learner will be able to identify advanced concepts of Utility. **(Level: Knowledge)**
2. **CO 2** The learner will be able to illustrate different Production functions. **(Level: Comprehension)**
3. **CO 3** The learner will be able to discover advanced concepts of Cost and Profit. **(Level: Application)**
4. **CO 4** The learner will be able to analyse General Equilibrium and Welfare Economics. **(Level: Analysis)**
5. **CO 5** The learner will be able to compare Price and Output determination under Perfect Competition, Monopoly and Monopsony. **(Level: Synthesis)**
6. **CO 6** The learner will be able to evaluate the different theories of Factor Pricing. **(Level: Evaluation)**

Macroeconomics -I

1612PMEMA

Course Objectives

1. To memorise advanced concepts of macroeconomic accounting.

2. To explain the Classical and Keynesian Models of Income determination.

3. To discover Post-Keynesian developments like the IS-LM model.

4. To analyse the efficacy of Monetary and Fiscal Policy in solving macroeconomic problems like inflation and unemployment.

5. To compare the Classical and Modern Approaches to an Open Economy Model.

6. To evaluate advanced Models to Exchange rate systems.

Course Outcomes

1. **CO 1** The learner will be able to memorise advanced concepts of macroeconomic accounting. **(Level: Knowledge)**
2. **CO 2** The learner will be able to explain the Classical and Keynesian Models of Income determination. **(Level: Comprehension)**
3. **CO 3** The learner will be able to discover Post-Keynesian developments like the IS-LM model. **(Level: Application)**
4. **CO 4** The learner will be able to analyse the efficacy of Monetary and Fiscal Policy in solving macroeconomic problems like inflation and unemployment. **(Level: Analysis)**
5. **CO 5** The learner will be able to compare the Classical and Modern Approaches to an Open Economy Model. **(Level: Synthesis)**
6. **CO 6** The learner will be able to evaluate advanced Models to Exchange rate systems. **(Level: Evaluation)**

Economics of Development

1813PMEED

Course Objectives

1. To identify the fundamental concepts and basic issues pertaining to economic growth and development.
2. To explain in detail various Traditional theories of growth and development.
3. To discover the various aspects of Modern theories of growth and distribution.
4. To analyse the problems of poverty, inequality, human values gender issues.
5. To create a framework for sustainable development and environmental concerns.
6. To evaluate the role of international financial institutions in development.

Course Outcomes

1. **CO 1** The learner will be able to identify the fundamental concepts and basic issues pertaining to economic growth and development. **(Level: Knowledge)**

2. **CO 2** The learner will be able to explain in detail various Traditional theories of growth and development. **(Level: Comprehension)**
3. **CO 3** The learner will be able to discover the various aspects of Modern theories of growth and distribution. **(Level: Application)**
4. **CO 4** The learner will be able to analyse the problems of poverty, inequality, human values and gender issues. **(Level: Analysis)**
5. **CO 5** The learner will be able to create a framework for sustainable development and environmental concerns. **(Level: Synthesis)**
6. **CO 6** The learner will be able to evaluate the role of international financial institutions in development. **(Level: Evaluation)**

Statistical Methods In Economics

1814PMESM

Course Objectives

1. To identify random variables.
2. To explain the various tests of hypotheses.
3. To apply different tests of hypotheses.
4. To distinguish between linear correlation and regression.
5. To design problems in the Linear Regression Model.
6. To evaluate trend analysis using Time Series and the Least Square Method.

Course Outcomes

1. **CO 1** The learner will be able to identify random variables. **(Level: Knowledge)**
2. **CO 2** The learner will be able to explain the various tests of hypotheses. **(Level: Comprehension)**
3. **CO 3** The learner will be able to apply different tests of hypotheses. **(Level: Application)**
4. **CO 4** The learner will be able to distinguish between linear correlation and regression. **(Level: Analysis)**
5. **CO 5** The learner will be able to design problems in the Linear Regression Model. **(Level: Synthesis)**
6. **CO 6** The learner will be able to evaluate trend analysis using Time Series and the Least Square Method. **(Level: Evaluation)**
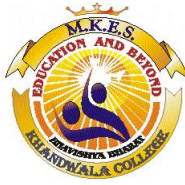
Semester II

Microeconomics II

1623PMEMI

Course Objectives

1. To identify the advanced concepts under Game Theory.
2. To explain choice under Uncertainty.
3. To discover the features of Oligopoly.
4. To analyse the different models of Oligopoly
5. To design contracts in the context of moral hazard and adverse selection.
6. To evaluate the alternative theories of a firm.

Course Outcomes

1. **CO 1** The learner will be able to identify the advanced concepts under Game Theory. **(Level: Knowledge)**
2. **CO 2** The learner will be able to explain choice under Uncertainty. **(Level: Comprehension)**
3. **CO 3** The learner will be able to discover the features of Oligopoly. **(Level: Application)**
4. **CO 4** The learner will be able to analyse the different models of Oligopoly. **(Level: Analysis)**
5. **CO 5** The learner will be able to design contracts in the context of moral hazard and adverse selection. **(Level: Synthesis)**
6. **CO 6** The learner will be able to evaluate the alternative theories of a firm. **(Level: Evaluation)**

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Macroeconomics II

1624PMEMA

Course Objectives

1. To identify advanced macroeconomic concepts.
2. To explain Price-Setting under Imperfect Competition.
3. To discover the developments in New Classical Economics.
4. To analyse the developments in New Keynesian Economics.
5. To compare the efficacy of rules versus discretion with respect to Monetary Policy.
6. To evaluate Macroeconomic policies in solving macroeconomic problems.

Course Outcomes

1. **CO 1** The learner will be able to identify advanced macroeconomic concepts. **(Level: Knowledge)**
2. **CO 2** The learner will be able to explain Price-Setting under Imperfect Competition. **(Level: Comprehension)**
3. **CO 3** The learner will be able to discover the developments in New Classical Economics. **(Level: Application)**
4. **CO 4** The learner will be able to analyse the developments in New Keynesian Economics. **(Level: Analysis)**
5. **CO 5** The learner will be able to compare the efficacy of rules versus discretion with respect to Monetary Policy. **(Level: Synthesis)**
6. **CO 6** The learner will be able to evaluate the role of financial intermediaries in solving macroeconomic problems. **(Level: Evaluation)**

Public Economics

1621PMEPE

Course Objectives

1. To identify advanced concepts of Public Finance

2. To explain the rationale for Government intervention in economy.
3. To discover the characteristics of public goods
4. To analyse the rationale and evaluation of Government expenditure.
5. To compare different taxes and design Taxation policies.
6. To evaluate the fiscal reforms introduced in this era of globalization.

Course Outcomes

1. **CO 1** The learner will be able to identify advanced concepts of Public Finance. **(Level: Knowledge)**
2. **CO 2** The learner will be able to explain the rationale for Government intervention in economy. **(Level: Comprehension)**
3. **CO 3** The learner will be able to discover the characteristics of public goods. **(Level: Application)**
1. **CO 4** The learner will be able to analyse the rationale and evaluation of Government expenditure. **(Level: Analysis)**
2. **CO 5** The learner will be able to compare different taxes and design Taxation policies. **(Level: Synthesis)**
3. **CO 6** The learner will be able to evaluate the fiscal reforms introduced in this era of globalization. **(Level: Evaluation)**

Mathematical Techniques for Economists

1622PMEMT

Course Objectives

1. To identify elements and operations of Sets.
2. To describe basic mathematical concepts.
3. To apply derivatives to Economics.
4. To analyse the application of integration in Economics.
5. To devise Optimisation techniques in Economics.
6. To evaluate the use of Matrices for economists.

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Course Outcomes

1. **CO 1** The learner will be able to identify elements and operations of Sets. **(Level: Knowledge)**
2. **CO 2** The learner will be able to describe basic mathematical concepts. **(Level: Comprehension)**
3. **CO 3** The learner will be able to apply derivatives to Economics. **(Level: Application)**
4. **CO 4** The learner will be able to analyse the application of integration in Economics. **(Level: Analysis)**
5. **CO 5** The learner will be able to devise Optimisation techniques in Economics. **(Level: Synthesis)**
6. **CO 6** The learner will be able to evaluate the use of Matrices for economists. **(Level: Evaluation)**

Semester III

Economics Of Agricultural Production And Rural Markets

1731PMEAP

Course Objectives

1. To identify the various types of production relationships in agriculture.
2. To describe resource use and instability in agriculture.
3. To discover the problems and remedial measures in agricultural product markets.
4. To analyse the characteristics of Rural credit markets.
5. To design policies for Rural Land markets.
6. To evaluate the agricultural labour market.

Course Outcomes

1. **CO 1** The learner will be able to identify the various types of production relationships in agriculture. **(Level: Knowledge)**
2. **CO 2** The learner will be able to describe resource use and instability in agriculture. **(Level: Comprehension)**

3. **CO 3** The learner will be able to discover the problems and remedial measures in agricultural product markets. **(Level: Application)**
4. **CO 4** The learner will be able to analyse the characteristics of Rural credit markets. **(Level: Analysis)**
5. **CO 5** The learner will be able to design policies for Rural Land markets. **(Level: Synthesis)**
6. **CO 6** The learner will be able to evaluate the agricultural labour market. **(Level: Evaluation)**

International Trade: Theory And Policy

1732PMEIT

Course Objectives

1. To identify the basis and gains from Trade with respect to the Classical Trade Theory.
2. To explain the Terms of Trade, Offer Curves and Reciprocal Demand.
3. To discover various aspects of Neo-Classical Trade and the relationship between trade and growth.
4. To analyse Modern Trade Theories in the context of Imperfect Competition.
5. To design trade policy in the context of national and global development needs.
6. To evaluate Regional Trading Agreements.

Course Outcomes

1. **CO 1** The learner will be able to identify the basis and gains from Trade with respect to the Classical Trade Theory. **(Level: Knowledge)**
2. **CO 2** The learner will be able to explain the Terms of Trade, Offer Curves and Reciprocal Demand. **(Level: Comprehension)**
3. **CO 3** The learner will be able to discover various aspects of Neo-Classical Trade and the relationship between trade and growth. **(Level: Application)**
4. **CO 4** The learner will be able to analyse Modern Trade Theories in the context of Imperfect Competition. **(Level: Analysis)**
5. **CO 5** The learner will be able to design trade policy in the context of national and global development needs. **(Level: Synthesis)**
6. **CO 6** The learner will be able to evaluate Regional Trading Agreements. **(Level: Evaluation)**

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Industrial Economics

1733PMEIE

Course Objectives

1. To recall the behaviour of the firm.
2. To explain competition and interdependence under different Market Structures.
3. To discover the role of innovations and intellectual property rights.
4. To analyse the Balance Sheet of a firm.
5. To design viable projects on the basis of Investment Criteria.
6. To evaluate the trends in the industrial growth in India since 1991 and changing industrial policies in the context of national and global development needs.

Course Outcomes

1. **CO 1** The Learner will be able to recall the behaviour of the firm. **(Level: Knowledge)**
2. **CO 2** The Learner will be able to explain competition and interdependence under different Market Structures. **(Level: Comprehension)**
3. **CO 3** The learner will be able to discover the role of innovations and intellectual property rights. **(Level: Application)**
4. **CO 4** The learner will be able to analyse the Balance Sheet of a firm. **(Level: Analysis)**
5. **CO 5** The learner will be able to design viable projects on the basis of Investment Criteria. **(Level: Synthesis)**
6. **CO 6** The learner will be able to evaluate the trends in the industrial growth in India since 1991 and changing industrial policies in the context of national and global development needs. **(Level: Evaluation)**

Banking: Theory And Policy

1734PMEBA

Course Objectives

1. To identify the role of banking in the financial system.
2. To describe the assets and liabilities of banks.
3. To discover the various issues regarding competition in banking and the reforms introduced in India in the context of globalization.
4. To analyse the role of a Central Bank and prudential regulation introduced in India in the context of globalization.
5. To compare the performance of different types of banks in India.

6. To evaluate the role of banks in aiding financial inclusion in the context of gender and human values.

Course Outcomes

1. **CO 1** The learner will be able to identify the role of banking in the financial system. **(Level: Knowledge)**
2. **CO 2** The learner will be able to describe the assets and liabilities of banks. **(Level: Comprehension)**
3. **CO 3** The learner will be able to discover the various issues regarding competition in banking and the reforms introduced in India in the context of globalization. **(Level: Application)**
4. **CO 4** The learner will be able to analyse the role of a Central Bank and prudential regulation introduced in India in the context of globalization. **(Level: Analysis)**
5. **CO 5** The learner will be able to compare the performance of different types of banks in India. **(Level: Synthesis)**
6. **CO 6** The learner will be able to evaluate the role of banks in aiding financial inclusion in the context of gender and human values. **(Level: Evaluation)**

Semester IV

Agricultural Development And Policy

1741PMEAD

Course Objectives

1. To identify the role of agriculture in national development.
2. To explain the various theories of agricultural development.
3. To discover measures for sustainable agricultural development.
4. To analyse the impact of globalization on Indian agriculture.
5. To design policies for Food Security.
6. To evaluate trends in agricultural policies and development in India.

Course Outcomes

1. **CO 1** The learner will be able to identify the role of agriculture in national development. **(Level: Knowledge)**

2. **CO 2** The learner will be able to explain the various theories of agricultural development. **(Level: Comprehension)**
3. **CO 3** The learner will be able to discover measures for sustainable agricultural development. **(Level: Application)**
4. **CO 4** The learner will be able to analyse the impact of globalization on Indian agriculture. **(Level: Analysis)**
5. **CO 5** The learner will be able to design policies for Food Security. **(Level: Synthesis)**
6. **CO 6** The learner will be able to evaluate trends in agricultural policies and development in India. **(Level: Evaluation)**

International Finance

1742PMEIF

Course Objectives

1. To identify the different types of foreign exchange rates.
2. To explain the working of foreign exchange markets and determination of exchange rates.
3. To show the structure of the Balance of Payments.
4. To analyse the Approaches to Balance of Payments adjustments.
5. To design policies for India's international trade.
6. To evaluate the role of international financial institutions in dealing with debt crises.

Course Outcomes

1. **CO 1** The learner will be able to identify the different types of foreign exchange rates. **(Level: Knowledge)**
2. **CO 2** The learner will be able to explain the working of foreign exchange markets and determination of exchange rates. **(Level: Comprehension)**
3. **CO 3** The learner will be able to show the structure of the Balance of Payments. **(Level: Application)**
4. **CO 4** The learner will be able to analyse the Approaches to Balance of Payments adjustments. **(Level: Analysis)**
5. **CO 5** The learner will be able to design policies for India's international trade. **(Level: Synthesis)**
6. **CO 6** The learner will be able to evaluate the role of international financial institutions in dealing with debt crises. **(Level: Evaluation)**

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Economics Of Human Development
1743PMEHD

Course Objectives

1. To identify the concepts relating to human development and the difference between growth and development
2. To explain the approaches relating to human development.
3. To discover the various dimensions of development.
4. To analyse the various measures of human development.
5. To design human development policies taking into account environmental issues and sustainability.
6. To evaluate the significance of human values and gender concerns in national and global development needs.
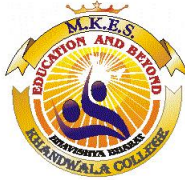
Course Outcomes

1. **CO 1** The learner will be able to identify the concepts relating to human development and the difference between growth and development. **(Level: Knowledge)**
2. **CO 2** The learner will be able to explain the approaches relating to human development. **(Level: Comprehension)**
3. **CO 3** The learner will be able to discover the various dimensions of development. **(Level: Application)**
4. **CO 4** The learner will be able to analyse the various measures of human development. **(Level: Analysis)**
5. **CO 5** The learner will be able to design human development policies taking into account environmental issues and sustainability. **(Level: Synthesis)**
6. **CO 6** The learner will be able to evaluate the significance of human values and gender concerns in national and global development needs. **(Level: Evaluation)**

Research Project

1744PMERP

Course Objectives

1. To identify the topic for Research.
2. To convert the topic into a workable Research Problem.
3. To apply proper research methodology to conduct the research.
4. To analyse the data collected.

5. To integrate the research findings and formulate a Research Report.
6. To evaluate the research findings for appraisal of policies.

Course Outcomes

1. **CO 1** The learner will be able to identify the topic for Research.
   (Level: Knowledge)
2. **CO 2** The learner will be able to convert the topic into a workable Research Problem.
   (Level: Comprehension)
3. **CO 3** The learner will be able to apply proper research methodology to conduct the research. **(Level: Application)**
4. **CO 4** The learner will be able to analyse the data collected. **(Level: Analysis)**
5. **CO 5** The learner will be able to integrate the research findings and formulate a Research Report. **(Level: Synthesis)**
6. **CO 6** The learner will be able to evaluate the research findings for appraisal of policies. **(Level: Evaluation)**

PO CO Mapping Matrix - 2020-21

Semester	Subject	Course Code	PO1	PO2	PO3	PO4	PO5	PO6
Semester 1	Microeconomics -I	1611PMEMI	*	*	*	*		
	Macroeconomics -I	1612PMEMA	*	*	*	*		
	Economics of Development	1813PMEED	*	*	*	*	*	*
	Statistical Methods In Economics	1814PMESM		*	*	*		
Semester 2	Microeconomics -II	1623PMEMI	*	*	*	*	*	
	Macroeconomics -II	1624PMEMA	*	*	*	*		
	Public Economics	1621PMEPE	*	*	*	*	*	*
	Mathematical Techniques for Economists	1622PMEMT		*	*	*		
Semester 3	Economics Of Agricultural Production And Rural Markets	1731PMEAP	*	*	*	*	*	*
	International Trade: Theory And Policy	1732PMEIT	*	*	*	*		*
	Industrial Economics	1733PMEIE	*	*	*	*	*	*
	Banking: Theory And Policy	1734PMEBA	*	*	*	*	*	*
Semester 4	Agricultural Development And Policy	1741PMEAD	*	*	*	*	*	*
	International Finance	1742PMEIF	*	*	*	*	*	*
	Economics Of Human Development	1743PMEHD	*	*	*	*	*	*
	Research Project	1744PMERP	*	*	*	*	*	*