



SYMBIOSIS COLLEGE OF ARTS AND COMMERCE

An Empowered Autonomous College | Under Savitribai Phule Pune University

Reaccredited 'A+' with 3.51 CGPA For Third Cycle By NAAC | College with Potential for Excellence

Programme Specific Outcomes(PSO's) and Course Outcomes (CO's)

Department of Economics

Programme: M.A. Economics

S. No.	On Completing MA Economics a student will be able to:
PSO 1	Develop a comprehensive understanding of theoretical and contemporary knowledge in Economics and its application at national and international level.
PSO 2	Foster cognitive skills to solve problems faced in socio-economic, political, and legal environments and provide rational and coherent solutions.
PSO 3	Recognize the socio-economic issue, analyze the economic problem, and critically evaluate the economic policies and real-world events.
PSO 4	Cultivate a research rigor and identify, formulate, and conduct scholarly research in the field of Economics.
PSO 5	Equipped to use all the relevant quantitative, statistical, and mathematical tools to analyze economic data.
PSO 6	Acquire proficiency in communication skills, leadership qualities and teamwork to collaborate with diverse audiences.
PSO 7	Develop strong ethical, moral, and human values and a sense of commitment and integrity in professional, personal, and social life.
PSO 8	Engage in independent and life-long learning in the context of evolving social and technological changes.
PSO 9	Make meaningful contribution towards civic life by being well informed and empathetic towards varied socio-economic issues.
PSO 10	Sensitize them towards sustainable development by emphasizing the value of the environmental assets using varied economic techniques.
PSO 11	Broaden their global and disciplinary knowledge and understanding in context to both within the economy and beyond.



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2	MA	1	22A72451	Transformation of Indian as a Global Economic Power
3	MA	1	22A73451	Mathematical Methods for Economic Analysis
4	MA	1	22A74451	Economics of Health and Education
5	MA	2	22A85451	Applied Macroeconomics
6	MA	2	22A86451	Computer Applications and Statistical Methods for Economic Analysis
7	MA	2	22A87451	Behavioral and Experiential Economics
8	MA	2	22A88451	Agricultural Economics
9	MA	2	22A89451	Climate Change and Environmental Challenges
10	MA	3	20A91451	International Economics and Trade Relations
11	MA	3	20A92451	Theories of Economic Growth and Development
12	MA	3	20A93451	Approaches to Research Methodology
13	MA	3	20A94451	Principles of Econometrics and its Applications
14	MA	3	20A95451	Indian Agricultural Economics
15	MA	4	20A06451	Financial Institutions and Markets
16	MA	4	20A07451	Public Finance and Public Policy
17	MA	4	20A09451	Economics of Social Infrastructure



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M.A. Semester 1

Title of the Course	Applied Microeconomics	Number of Credits: 04	
Course Code	22A71451		
S.No.	On Completing Applied Microeconomics student will be able to:	PSOs Addressed	Cognitive Levels R,U, Ap, An, E,C
CO 1	Examine the theories and concepts	PSO1	U
CO 2	Explain consumers and producers behaviour in economic decision making	PSO3	Ap
CO 3	Calculate the risk and expected utility	PSO4	Ap
CO 4	Analyze the market structures and welfare criteria	PSO3	An
CO 5	Evaluate economic theory and principles to current microeconomic issues and evaluate related public policy	PSO3	E

Title of the Course	Transformation of India as a Global Economic Power	Number of Credits: 04	
Course Code	22A72451		
S. No.	On Completing Transformation of India as a Global Economic Power the student will be able to:	PSOs Addressed	Cognitive Levels R,U, Ap, An, E,C
CO 1	Examine Economic Reforms in India	PSO 1	R
CO 2	Explain the role of India in the Global Economic Scenario	PSO 10	U
CO 3	Justify India's Foreign Policy Stance amidst Contemporary Issues	PSO 11	An
CO 4	Relate to historical perspectives on economic theory, thinking and development.	PSO 2	E



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CO 5	Analyse critically the impact of policies undertaken by the government during major economic turning points from a global perspective	PSO 3	An
Title of the Course	Mathematical Methods for Economic Analysis	Number of Credits: 04	
Course Code	22A73451		
S.No.	On Completing Mathematical Methods for Economic Analysis student will be able to:	PSOs Addressed	Cognitive Levels R,U, Ap, An, E,C
CO 1	Provide a wider and deeper exposure to the Calculus of functions and their application to the discipline of Economics.	PSO 2	U
CO 2	Gain an understanding of how to solve mathematical problems that are common to economic modelling.	PSO 2	Ap
CO 3	Facilitate the ability of students to demonstrate the economic applications of differentiation and use it to formulate economic problems	PSO 5	An
CO 4	Developing the ability to accurately translate complex economic problems into mathematical models and hone the skills to solve the problems through a wide array of mathematical techniques.	PSO 5	E
CO 5	Analyse critically the impact of policies undertaken by the government during major economic turning points from a global perspective	PSO 3	An
Title of the Course	Economics of Health and Education	Number of Credits: 04	
Course Code	22A74451		
S.No.	On Completing Economics of Health and Education, student will be able to:	PSOs Addressed	Cognitive Levels R, U, Ap, An, E, C



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CO 1	Examine the practical relevance of the study of Social Sector to that of the development of the nation.	PSO 1, 2, 3	R, U
CO 2	Analyze the role and effects of social sector development in India.	PSO 2, 3, 9	U, Ap
CO 3	Evaluate the various initiatives taken by the government for the improvement of the social sector.	PSO 3, 7, 9,10	Ap, An
CO 4	Appraise the National Education Policy 2020 in context to its need, relevance and challenges	PSO 3, 4, 6, 7, 9, 10, 11	Ap, An, E
CO 5	Formulate the linkage between attaining the SDGs to that of the social sector development of a nation.	PSO 4, 5, 7, 9,10	Ap, An, E, C

M.A. Semester 2

Title of the Course	Applied Macroeconomics	Number of Credits: 04	
Course Code	22A85451		
S.No.	On Completing Applied Macroeconomics, student will be able to:	PSOs Addressed	Cognitive Levels R, U, Ap, An, E, C
CO 1	Examine the effective application capabilities in terms of conceptual understanding to real world situations.	PSO 1, 2, 3	R, U, Ap
CO 2	Interpret the understanding of various macroeconomic analysis to economic and policy decision making.	PSO 2, 3, 9,10	U, Ap
CO 3	Analyze the causes of economic fluctuations taking place in the economy and assess policies to ameliorate it.	PSO 3,4, 7, 9,10	Ap, An
CO 4	Evaluate the various macroeconomic issues related to an open economy.	PSO 3, 4, 6, 7, 9, 10, 11	Ap, An, E
CO 5	Develop capabilities to engage in independent and extended research.	PSO 4, 5, 7, 8, 9,10	Ap, An, E, C
Title of the Course		Number of Credits: 04	



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	Computer Applications & Statistical Methods for Economic Analysis		
Course Code	22A86451		
S.No.	On Completing Computer Applications & Statistical Methods for Economic Analysis student will be able to:	PSOs Addressed	Cognitive Levels R,U, Ap, An, E,C
CO 1	Provide essential knowledge of the theory and key properties of probability and random variables, and the application of these concepts in practical situations.	PSO 5	U
CO 2	Facilitate an understanding of the main branches of basic statistical inference, and to develop the ability to use statistical techniques to analyse data and assess the accuracy of the resulting estimates and conclusions.	PSO 5	Ap
CO 3	Introduce the fundamental concepts of statistical modelling, particularly linear regression models.	PSO 5	An
CO 4	Value to those intending to study any course involving economic modelling or any further course in statistics.	PSO 2	An
Title of the Course	Behavioral and Experiential Economics	Number of Credits: 04	
Course Code	22A87451		
S. No.	On Completing Behavioral and Experiential Economics, student will be able to:	PSOs Addressed	Cognitive Levels R,U, Ap, An, E,C
CO 1	Describe the concepts of behavioural economics	PSO1	R
CO 2	Explain the concepts of behavioural economics and neoclassical economic theories.	PSO 2	U



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CO 3	Apply the effect of behavioural concepts on decision making	PSO3	Ap
CO 4	Analyse behavioural experiment design	PSO 4, 5	An
CO 5	Create Behavioural Economics Application	PSO 5, 6	C



Title of the Course	Agriculture Economics	Number of Credits: 04	
Course Code	22A88451		
S.No.	On Completing Agriculture Economics student will be able to:	PSOs Addressed	Cognitive Levels R, U, Ap, An, E, C
CO 1	Examine the effective application of conceptual understanding of agricultural economics with current scenarios.	PSO 1 8 11	Ap, An
CO 2	Interpret the understanding of various analysis of agriculture economics concepts and policy decision making.	PSO 1 2 7	R, An, E
CO 3	Analyze the causes of economic fluctuations taking place in the Indian agriculture and the role of different policies to stabilise it.	PSO 2 3	An, U
CO 4	Evaluate the various agricultural issues related to the Indian economy.	PSO 1 11	E, An
CO 5	Promote entrepreneurship in agriculture and related activities.	PSO 2 6 9 10	E, C



Title of the Course	Climate Change and Environmental Challenges	Number of Credits: 04	
Course Code	22A89451		



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S.No.	On Completing Climate Change and Environmental Challenges, student will be able to:	PSOs Addressed	Cognitive Levels R, U, Ap, An, E, C
CO 1	Examine the various socio-economic implications of climate change in the economy	PSO 1, 2, 3, 10	R, U, Ap
CO 2	Interpret the various aspects of environmental externalities in the economy.	PSO 1, 2, 3, 9,10	U, Ap
CO 3	Analyze the various instruments of climate change used in economic analysis.	PSO 3, 4, 7, 9,10	Ap, An
CO 4	Evaluate the policy responses as well as the international collective action taken on climate change by the economy.	PSO 3, 4, 6, 7, 9, 10, 11	Ap, An, E
CO 5	Develop an understanding on the efforts taken by the nation for mitigating carbon emissions and for creating sustainable environment.	PSO 4, 5, 7, 8, 9,10	Ap, An, E, C

M.A. Semester 3

Title of the Course	International Economics and Trade Relations	Number of Credits: 04	
Course Code	20A91451		
S.No.	On Completing International Economics and Trade Relations student will be able to:	PSOs Addressed	Cognitive Levels R, U, Ap, An, E,C
CO 1	To integrate trade policies with economic theories	PSO 1, 3, 7	R, E, C
CO 2	To promote understanding of the interaction between politics and economics in international relations	PSO 2, 6, 9	An, C
CO 3	To understand various instruments of trade policy and also relate to the impact of domestic policies vis-a-vis international trade.	PSO 2, 3, 7	Ap, An
CO 4	To demonstrate an appreciation of the history of thought in international political economy	PSO 8, 10, 11	U, An



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Title of the Course	Theories of Economic Growth and Development	Number of Credits: 04	
Course Code	20A92451		
S.No.	On Completing Theories of Economic Growth and Development, student will be able to:	PSOs Addressed	Cognitive Levels R, U, Ap, An, E, C
CO 1	Examine the practical relevance of various economic theories to contemporary economic issues.	PSO 1, 2, 3, 10	R, U, Ap
CO 2	Analyse the various Sustainable Development Goals	PSO 1, 2, 3, 9,10,11	U, Ap, An
CO 3	Evaluate the performance of various growth and development indices.	PSO 3, 4, 5, 7, 8, 9,10	Ap, An, E
CO 4	Compare the various models of development and its practical relevance in real world context.	PSO 3, 4, 6, 7, 9, 10, 11	Ap, An, E
CO 5	Formulate solutions to counter the various growth and development challenges	PSO 4, 5, 7, 8, 9,10	Ap, An, E, C
Approaches to Research Methodology		Number of Credits: 04	
20A93451			
S.No.	On Completing Approaches to Research Methodology student will be able to:	PSOs Addressed	Cognitive Levels R,U, Ap, An, E,C
CO 1	Introduce and discuss various approaches, strategies, and data collection methods relating to research in social sciences.	PSO 2	U
CO 2	Equip and aid the learners to select the appropriate methodology, to collect data based on different data collection methods and to select and use the appropriate tests.	PSO 5	Ap
CO 3	Familiarize the student with the nature of research tools and writing skills.	PSO 4	Ap
CO 4	Enable the student to present a good research proposal	PSO 5	C
CO 5	Empower the student with the knowledge and skills they need to undertake research projects, to present research papers and to write quality articles.	PSO 4	C



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Title of the Course	Principles of Econometrics and its Applications	Number of Credits: 04	
Course Code	20A94451		
S.No.	On Completing Principles of Econometrics and its Applications student will be able to:	PSOs Addressed	Cognitive Levels R,U, Ap, An, E,C
CO 1	Understand the nature of Statistical Inference.	PSO1	U
CO 2	Apply the concepts and basic understanding of econometrics theory.	PSO8	Ap
CO 3	Apply the basic methods of inference to the practical problems in econometrics and empirical economics	PSO6	An
CO 4	Interpret the econometric results.	PSO4	E
CO 5	Demonstrate the practical computing skills and interpret the methods applied.	PSO7	An
Title of the Course	Indian Agricultural Economics	Number of Credits: 04	
Course Code	20A95451		
S.No.	On Completing Indian Agricultural Economics student will be able to:	PSOs Addressed	Cognitive Levels R, U, Ap, An, E, C
CO 1	Examine the effective application of conceptual understanding of agricultural economics with current scenarios.	PSO 1, 8, 11	Ap, An
CO 2	Interpret the understanding of various analysis of agriculture economics concepts and policy decision making.	PSO 1, 2, 7	R, An, E
CO 3	Analyze the causes of economic fluctuations taking place in the Indian agriculture and the role of different policies to stabilise it.	PSO 2, 3	An, U



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CO 4	Evaluate the various agricultural issues related to the Indian economy.	PSO 1, 11	E, An
CO 5	Promote entrepreneurship in agriculture and related activities.	PSO 2, 6, 9, 10	E, C

M.A. Semester 4

Title of the Course	Financial Institutions and Markets	Number of Credits: 04	
Course Code	20A06451		
S.No.	On Completing Financial Institutions and Markets student will be able to:	PSOs Addressed	Cognitive Levels R,U, Ap, An, E,C
CO 1	Provide an insight to students into the functions and role of varied and multiple constituents of the Indian financial system.	PSO 1	U
CO 2	Lay out a strong and firm theoretical foundation of studies in the field of banking, capital market and financial services.	PSO 3	R
CO 3	Enable students to understand the latest developments in the rapidly changing scenario of the Indian financial System.	PSO 8	U
CO 4	Help the students to understand the role of financial system regulators and its major players.	PSO 1	E
CO 5	Comprehend and grasp the different mechanisms and channels for raising finance which enables a modern economy to operate	PSO 11	U

Title of the Course	Public Finance and Public Policy	Number of Credits: 04	
Course Code	20A07451		
S.No.	On Completing Public Finance and Public Policy student will be able to:	PSOs Addressed	Cognitive Levels R,U, Ap, An, E,C
CO 1	1. Recognize the role of the government in the planning process of an economy	PSO 3	An

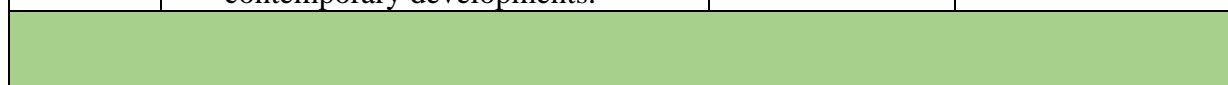


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CO 2	2. Apply the various theories related to finance to real world situations	PSO 1	Ap
CO 3	3. Analyze the underlying concepts and practical trade-offs entailed in public finance policy alternatives	PSO 2	E
CO 4	4. Compare differences in processes, revenue sources, and budgetary challenges that exist between different levels of government.	PSO 11	U
CO 5	5. Formulate the analysis of policy making against the backdrop of contemporary developments.	PSO 4	E



Title of the Course	Economics of Social infrastructure	Number of Credits: 04	
Course Code	20A09451		
S.No.	On Completing Economics of Social infrastructure, student will be able to:	PSOs Addressed	Cognitive Levels R, U, Ap, An, E, C
CO 1	Examine the practical relevance of the study of Social Sector to that of the development of the nation.	PSO 1, 2, 3	R, U
CO 2	Analyse the role and effects of social sector development in India	PSO 2, 3, 9	U, Ap
CO 3	Evaluate the various initiatives taken by the government for the improvement of the social sector	PSO 3, 7, 9,10	Ap, An
CO 4	Appraise the National Education Policy 2020 in context to its need, relevance and challenges.	PSO 3, 4, 6, 7, 9, 10, 11	Ap, An, E
CO 5	Formulate the linkage between attaining the SDGs to that of the social sector development of a nation.	PSO 4, 5, 7, 9,10	Ap, An, E, C