

DEPARTMENT OF ECONOMICS FUUAST

B.S. Economics

Introduction

Bachelor of Science in Economics program is designed for those students who, after completing their 12 years of education, are looking for some knowledge based, career oriented and market determined educational program in the field of Economics. The program is the blend of different courses like theoretical, quantitative and applied areas in economics, which will enable the students to review, analyze and provide solutions to complex problems with intellectual independence.

Program Objectives

The main objective is to achieve the highest possible standards of education, teaching and research in economics. More specific objectives are to:

- Impart sound theoretical and applied knowledge of economics.
- Provide a thorough understanding of the economic theory pertaining to global economic issues and its impact on Pakistan's economy.
- Develop an ability in students to become effective independent researchers and learners.
- Develop professionals with a sound knowledge in the field of economics who can understand and analyze problems faced by developing country like Pakistan.
- Prepare students for advanced studies in economics.

B.S Economics

Courses

Semester-wise details of courses are given below

S. #	Course Code	Course Title	Cr. Hours
Semester- I			
1.	ECO-101	Islamic Studies/ Ethics (Compulsory)	3
2.	ECO-102	Urdu (Compulsory)	3
3.	ECO-103	Calculus (Compulsory)	3
4.	ECO-104	Introduction to Computer (Compulsory)	3
5.	ECO-105	Principles of Microeconomics	3
6.	ECO-	Optional (Non-Economic)	3
Semester- II			
1.	ECO-106	Principles of Macroeconomics	3
2.	ECO-107	Pakistan Studies (Compulsory)	3
3.	ECO-108	Descriptive Statistics	3
4.	ECO-109	Functional English (Compulsory)	3
5.	ECO-	Optional (Non-Economic)	3
6.	ECO-	Optional (Non-Economic)	3
Semester- III			
1.	ECO-203	Linear Algebra (Compulsory)	3
2.	ECO-204	Development Economics	3
3.	ECO-205	Intermediate Microeconomics	3
4.	ECO-209	English Comprehension and Composition (Compulsory)	3
5.	ECO-	Optional (Non-Economic)	3
6.	ECO-	Optional (Non-Economic)	3
Semester- IV			
1.	ECO-206	Intermediate Macroeconomics	3
2.	ECO-208	Statistical Inference	3
3.	ECO-210	English Communication & Writing Skills (Compulsory)	3
4.	ECO-211	International Economics	3
5.	ECO-	Optional (Non-Economic)	3
6.	ECO-	Optional (Non-Economic)	3
Semester- V			
1.	ECO-305	Microeconomic Analysis	3
2.	ECO-306	Macroeconomic Controversies	3
3.	ECO-307	Labour Economics	3
4.	ECO-308	Mathematical Economics	3
5.	ECO-310	Basic Econometrics	3
Semester- VI			
1.	ECO-309	Dynamic Optimization	3
2.	ECO-311	Applied Econometrics	3
3.	ECO-312	Monetary Economics	3
4.	ECO-313	Research Methodology	3
5.	ECO-314	Public Finance	3
Semester- VII			

1.	ECO-401	General Equilibrium and Welfare Economics	3
2.	ECO-	Optional I	3
3.	ECO-	Optional II	3
4.	ECO-	Optional III	3
5.	ECO-	Optional IV	3
Semester- VIII			
1.	ECO-402	Applied Economics	3
2.	ECO-	Optional I	3
3.	ECO-	Optional II	3
4.	ECO-	Optional III	3
5.	ECO-	Optional IV	3
Total		44	132

Compulsory and General/Non Economic Courses

Compulsory Courses (9)	Course Code	Non-Economic/ General Courses (7)	Course Code
Islamic Studies / Ethics	ECO-101	Introduction to Business	ECO-110
Urdu	ECO-102	Principles of Marketing	ECO-111
Calculus	ECO-103	Principles of Accounting	ECO-112
Introduction to Computer	ECO-104	Mass Communication	ECO-113
Pakistan Studies	ECO-107	Fundamentals of Geography	ECO-114
Functional English	ECO-109	Introduction to Anthropology	ECO-115
Linear Algebra	ECO-203	Introduction to History	ECO-116
English Comprehension and Composition	ECO-209	Introduction to Psychology	ECO-117
English Communication & Writing Skills	ECO-210	Introduction to Law	ECO-118
		Principles of Sociology	ECO-212
		Governance & Politics	ECO-213
		Introduction to Philosophy	ECO-214
		Business Finance	ECO-215
		Introduction to Commerce	ECO-216
		Introduction to Political Science	ECO-217
		Fundamentals of Education	ECO-218
		International Relations	ECO-219
		Business and Industrial Law	ECO-220
		Gender Studies	ECO-221
		Professional Ethics	ECO-222
		Foreign Languages*	ECO-

Note: Regarding general courses degree requirement is 7 courses, department can offer any seven general courses depending upon interest of students and availability of teachers.

*One language (ECO-223 Arabic, ECO-224 Persian, ECO-225 Turkish, ECO-226 French, ECO-227 German, ECO-228 Spanish, ECO-229 Chinese).

Economics (Core and Optional Courses)

Economics (Core Courses)	Course Code	Economics (Optional Courses)	Course Code
Principles of Microeconomics	ECO-105	Issues in the Economy of Pakistan	ECO-445
Principles of Macroeconomics	ECO-106	Introduction to the History of Economic Thought	ECO-446

Intermediate Microeconomics	ECO-205	Comparative Economics	ECO-447
Intermediate Macroeconomics	ECO-206	Introduction to Institutional Economics	ECO-448
Descriptive Statistics	ECO-108	Poverty and Income Distribution	ECO-449
Statistical Inference	ECO-208	Introduction to Demographic Economics	ECO-450
Mathematical Economics	ECO-308	Gender Economics	ECO-451
Dynamic Optimization	ECO-309	Introduction to Human Resource Development	ECO-452
Microeconomic Analysis	ECO-305	Economics of Education	ECO-453
Macroeconomic Controversies	ECO-306	Introduction to Health Economics	ECO-454
Development Economics	ECO-204	Environmental and Health	ECO-455
International Economics	ECO-211	Introduction to Industrial Economics	ECO-456
Monetary Economics	ECO-312	Introduction to Urban Economics	ECO-457
Labour Economics	ECO-307	Transport and Infrastructural Economics	ECO-458
Research Methodology	ECO-313	Production Economics	ECO-459
Public Finance	ECO-314	Applied Microeconomics	ECO-460
Basic Econometrics	ECO-310	Experimental and Behavioral Economics	ECO-461
Applied Econometrics	ECO-311	Globalization and Environment	ECO-462
General Equilibrium and Welfare Economics	ECO-401	Global Political Economy	ECO-463
Applied Economics	ECO-402	Introduction to Fiscal Policy	ECO-464
		Money, Banking and Finance	ECO-465
		Introduction to Project Planning and Evaluation	ECO-466
		Engineering Economics	ECO-467

Note: Course codes starting with 1 as first digit are assigned to courses of first year (1st and 2nd semester).
Course codes starting with 2 as first digit are assigned to courses of second year (3rd and 4th semester).
Course codes starting with 3 as first digit are assigned to courses of third year (5th and 6th semester).
Course codes starting with 4 as first digit are assigned to courses of last year (7th and 8th semester).

Specializations

Specialization in different fields has also offered in addition to general economics in last two semesters.

Semester- VII			
Specialization in Development Studies			
1.	ECO-403	Development Theory	3

2.	ECO-405	Sustainable Development	3
3.	ECO-406	Globalization and Development	3
4.	ECO-	Optional I	3
5.	ECO-	Optional II	3
Specialization in International Economics			
1.	ECO-408	International Trade Theory	3
2.	ECO-410	Open Economy Macroeconomics	3
3.	ECO-406	Globalization and Development	3
4.	ECO-	Optional I	3
5.	ECO-	Optional II	3
Specialization in Banking and Finance			
1.	ECO-412	Financial Economics	3
2.	ECO-413	Corporate Finance	3
3.	ECO-414	Financial Accounting	3
4.	ECO-	Optional I	3
5.	ECO-	Optional II	3
Specialization in Environmental Economics			
1.	ECO-417	Environmental Economics	3
2.	ECO-418	Natural Resource Economics	3
3.	ECO-405	Sustainable Development	3
4.	ECO-	Optional I	3
5.	ECO-	Optional II	3
Specialization in Public Policy			
1.	ECO-421	Public Policy	3
2.	ECO-422	Public Finance and Tax Management	3
3.	ECO-	Optional I	3
4.	ECO-	Optional II	3
5.	ECO-	Optional III	3
Specialization in Econometrics			
1.	ECO-425	Data Visualization	3
2.	ECO-426	Advanced Econometrics	3
3.	ECO-427	Time Series Analysis	3
4.	ECO-	Optional I	3
5.	ECO-	Optional II	3
Specialization in Agriculture Economics			
1.	ECO-430	Agricultural Economics	3
2.	ECO-418	Natural Resource Economics	3
3.	ECO-431	Agricultural Marketing	3
4.	ECO-	Optional I	3
5.	ECO-	Optional II	3
Specialization in Labour Economics			
1.	ECO-434	Labour Market and Social Policy	3
2.	ECO-435	Labour Law	3
3.	ECO-	Optional I	3
4.	ECO-	Optional II	3
5.	ECO-	Optional III	3
Specialization in Islamic Economics			
1.	ECO-438	Principles of Islamic Economics	3

2.	ECO-439	Islamic Economics and Finance	3
3.	ECO-	Optional I	3
4.	ECO-	Optional II	3
5.	ECO-	Optional III	3
Semester- VIII			
Specialization in Development Studies			
1.	ECO-404	Development Policy	3
2.	ECO-407	Institutions and Development	3
3.	ECO-	Optional I	3
4.	ECO-	Optional II	3
5.	ECO-	Optional III	3
Specialization in International Economics			
1.	ECO-409	International Trade Policy	3
2.	ECO-411	International Finance	3
3.	ECO-	Optional I	3
4.	ECO-	Optional II	3
5.	ECO-	Optional III	3
Specialization in Banking and Finance			
1.	ECO-415	Financial Management	3
2.	ECO-411	International Finance	3
3.	ECO-416	Financial Institutions and Markets	3
4.	ECO-	Optional I	3
5.	ECO-	Optional II	3
Specialization in Environmental Economics			
1.	ECO-419	Economics of Climate Change	3
2.	ECO-420	Governance and Global Environmental Issues	3
3.	ECO-	Optional I	3
4.	ECO-	Optional II	3
5.	ECO-	Optional III	3
Specialization in Public Policy			
1.	ECO-423	Governance and Public Policy	3
2.	ECO-424	Political Economy	3
3.	ECO-	Optional I	3
4.	ECO-	Optional II	3
5.	ECO-	Optional III	3
Specialization in Econometrics			
1.	ECO-428	Panel Data Analysis	3
2.	ECO-429	Non Parametric Econometrics	3
3.	ECO-	Optional I	3
4.	ECO-	Optional II	3
5.	ECO-	Optional III	3
Specialization in Agriculture Economics			
1.	ECO-432	Agriculture Price Policy	3
2.	ECO-433	Agricultural Credit and Finance	3
3.	ECO-	Optional I	3
4.	ECO-	Optional II	3
5.	ECO-	Optional III	3

Specialization in Labour Economics			
1.	ECO-436	Applied Labour Economics	3
2.	ECO-437	Migration and Public policy	3
3.	ECO-	Optional I	3
4.	ECO-	Optional II	3
5.	ECO-	Optional III	3
Specialization in Islamic Economics			
1.	ECO-440	Islamic Commercial Law and Contract	3
2.	ECO-441	Takaful and Retakaful	3
3.	ECO-	Optional I	3
4.	ECO-	Optional II	3
5.	ECO-	Optional III	3

Core and Optional Courses (Specialization)

Core Courses	Course Code	Optional Courses	Course Code
Specialization in Development Economics		Issues in the Economy of Pakistan	ECO-445
Development Theory	ECO-403	Introduction to the History of Economic Thought	ECO-446
Development Policy	ECO-404	Comparative Economics	ECO-447
Sustainable Development	ECO-405	Introduction to Institutional Economics	ECO-448
Globalization and Development	ECO-406	Poverty and Income Distribution	ECO-449
Institutions and Development	ECO-407	Introduction to Demographic Economics	ECO-450
Specialization in International Economics		Gender Economics	ECO-451
International Trade Theory	ECO-408	Introduction to Human Resource Development	ECO-452
International Trade Policy	ECO-409	Economics of Education	ECO-453
Open Economy Macroeconomics	ECO-410	Introduction to Health Economics	ECO-454
International Finance	ECO-411	Environmental and Health	ECO-455
Specialization in Banking and Finance		Introduction to Industrial Economics	ECO-456
Financial Economics	ECO-412	Introduction to Urban Economics	ECO-457
Corporate Finance	ECO-413	Transport and Infrastructural Economics	ECO-458
Financial Accounting	ECO-414	Production Economics	ECO-459
Financial Management	ECO-415	Applied Microeconomics	ECO-460
Financial Institutions and Markets	ECO-416	Experimental and Behavioral Economics	ECO-461
Specialization in Environmental Economics		Globalization and Environment	ECO-462
Environmental Economics	ECO-417	Global Political Economy	ECO-463
Natural Resource Economics	ECO-418	Introduction to Fiscal Policy	ECO-464
Economics of Climate Change	ECO-419	Money, Banking and Finance	ECO-465
Governance and Global Environmental Issues	ECO-420	Introduction to Project Planning and Evaluation	ECO-466
Specialization in Public Policy		Engineering Economics	ECO-467
Public Policy	ECO-421		

Public Finance and Tax Management	ECO-422		
Governance and Public Policy	ECO-423		
Political Economy	ECO-424		
Specialization in Econometrics			
Data Visualization	ECO-425		
Advanced Econometrics	ECO-426		
Time Series Analysis	ECO-427		
Panel Data Analysis	ECO-428		
Non Parametric Econometrics	ECO-429		
Specialization in Agriculture Economics			
Agricultural Economics	ECO-430		
Agricultural Marketing	ECO-431		
Agriculture Price Policy	ECO-432		
Agricultural Credit and Finance	ECO-433		
Specialization in Labour Economics			
Labour Market and Social Policy	ECO-434		
Labour Law	ECO-435		
Applied Labour Economics	ECO-436		
Migration and Public policy	ECO-437		
Specialization in Islamic Economics			
Principles of Islamic Economics	ECO-438		
Islamic Economics and Finance	ECO-439		
Islamic Commercial Law and Contract	ECO-440		
Takaful and Retakaful	ECO-441		

Note: Optional courses are not specific to any particular discipline. Regarding specialization a student choosing a specific discipline can also choose optional course from the core courses of other disciplines.