

	C6 C7							
IV	C8 C9 C10	GE4		AEC4				
V	C11 C12		DSE1 DSE2	AEC5				
VI	C13 C14		DSE3		Seminar	Dissertation		
Summer							Internship	
MOOC's***								

\* Technical and Professional Programs may opt for internship or apprenticeship in full semester as a 24 credits course in lieu of course C13, C14, DSE3, DSE4 and Dissertation.

\*\*\* MOOC's courses should be offered at least one time during entire UG programme in lieu of Core Course. If the core is not available any course similar to Generic elective, Discipline specific elective, AEC course, Skill enhancement course may be offered on MOOC's platform. If any such course related to your subject is not available on MOOC's platform, department may continue with regular courses.

**Table 3: Template for Semester wise courses (suggestive)**

Semester	Course	Course Code	Course Name	Credits	L/T/P
I	C1	ECUATT1	Introductory Microeconomics/ MOOC COURSE	5	L-4, T-1
	C2	ECUATT2	Mathematical Methods for Economics-I	5	L-4, T-1
	GE1	ECUATG1	Introductory Microeconomics	5	L-4, T-1
	AEC1	ECUATA1	From pool of Ability Enhancement Course (AEC-I)	2	L-2
	SEC1	ECUATL1	From pool of Skill Enhancement Course (SEC-I)	2	L-2
	Additional Credit Course				
	<b>Total</b>				<b>19</b>
II	C3	ECUBTT3	Introductory Macroeconomics	5	L-4, T-1
	C4	ECUBTT4	Mathematical Methods for Economics-II	5	L-4, T-1
	GE2	ECUBTG2	Introductory Macroeconomics	5	L-4, T-1

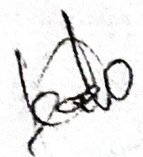
RKB

1/2020

1/20



	AEC2	ECUBTA2	From pool of Ability Enhancement Course (AEC-II)	2	L-2
	SEC2	ECUBTL2	From pool of Skill Enhancement Course (SEC-II)	2	L-2
	Additional Credit Course				
	<b>Total</b>			<b>19</b>	
III	C5		Intermediate Microeconomics-I	5	L-4, T-1
	C6		Intermediate Macroeconomics-I	5	L-4, T-1
	C7		Indian Economy-I	5	L-4, T-1
	GE3		Money & Banking	5	L-4, T-1
	AEC3		From pool of Ability Enhancement Course (AEC-III)	2	L-2
	Additional Credit Course				
	<b>Total</b>			<b>22</b>	
IV	C8		Intermediate Microeconomics-II	5	L-4, T-1
	C9		Intermediate Macroeconomics-II	5	L-4, T-1
	C10		Indian Economy-II	5	L-4, T-1
	GE4		Public Finance	5	L-4, T-1
	AEC4		From pool of Ability Enhancement Course (AEC-IV)	2	L-2
	Internship*			6**	
	Additional Credit Course				
	<b>Total</b>			<b>22 + 6</b>	
V	C11		Statistical Methods for Economics	5	L-4, T-1
	C12		Development Economics-I	5	L-4, T-1
	DSE1		Economic	5	L-4, T-1

AKR  
  
 Na



		History of India (1857-1947)		
	DSE2	International Economics-I	5	L-4, T-1
	AEC5	From pool of Ability Enhancement Course (AEC-V)	2	L-2
	Additional Credit Course			
	<b>Total</b>		<b>22</b>	
VI	C13	Introductory Econometrics	5	L-4, T-1
	C14	Development Economics-II	5	L-4, T-1
	DSE3	International Economics-II	5	L-4, T-1
	Seminar		2	
	Dissertation/Project		6	
	Additional Credit Course			
	<b>Total</b>		<b>23</b>	
	<b>Total</b>		<b>2-5</b>	
MOOC's				

\* May be offer during summer

\*\* Technical and Professional Programs may opt for internship or apprenticeship in full semester as a 24 credits course in lieu of course C13, C14, DSE3, DSE4/ Dissertation.

\*\*\* MOOC's courses should be offered at least one time during entire UG programme in lieu of Core Course. If the core is not available any course similar to Generic elective, Discipline specific elective, AEC course, Skill enhancement course may be offered on MOOC's platform. If any such course related to your subject is not available on MOOC's platform, department may continue with regular courses.

*Ja*

*[Signature]*

*RKS*



**M.A. Economics based on CBCS System**  
(Two years/Four semesters)

Semester	Course Opted	Course Code	Name of the Course	Credit	Hour / weak
<b>I</b>	Core-1		<b>Micro Economic Analysis - I</b>	4	4
	Core -1 Tutorial		Tutorial-1 based on Core-1	1	1
	Core -2		<b>Macro Economic Analysis-I</b>	4	4
	Core -2 Tutorial		Tutorial-2 based on Core-2	1	1
	Core-3		<b>Economics of Growth and Development-I</b>	4	4
	Core -3 Tutorial		Tutorial-3 based on Core-3	1	1
	Open Elective		<b>Labour Economics</b>	4	4
	Open E. Tutorial		Tutorial-Open Elective based on Open Elective	1	1
			<b>Total</b>	<b>20</b>	<b>20</b>
<b>II</b>	Core-4		<b>Micro Economic Analysis - II</b>	4	4
	Core -4 Tutorial		Tutorial-4 based on Core-4	1	1
	Core -5		<b>Macro Economic Analysis-II</b>	4	4
	Core -5 Tutorial		Tutorial-5 based on Core-5	1	1
	Core-6		<b>Economics of Growth and Development-II</b>	4	4
	Core -6 Tutorial		Tutorial-6 based on Core-6	1	1
	Core-7		<b>Indian Economic Policy-I</b>	4	4
	Core -7 Tutorial		Tutorial-7 based on Core-7	4	4
			<b>TOTAL</b>	<b>20</b>	<b>20</b>
<b>III</b>	Core-8		<b>Indian Economic Policy-II</b>	4	4
	Core -8 Tutorial		Tutorial-8 based on Core-8	1	1
	R.M.		<b>Research Methodology</b>	3	3
	R.M. Tutorial		Tutorial-R.M. based on R.M.	1	1
	DSE-1		<b>International Economics-I/ Quantitative Methods</b>	4	4
	DSE-1 Tutorial		Tutorial-DSE-1 based on DSE-1	1	1
	DSE-2		<b>Econometrics-I/Gandhian Economics-I</b>	4	4
	DSE-2 Tutorial		Tutorial-DSE-2 based on DSE-2	1	1
			<b>TOTAL</b>	<b>19</b>	<b>19</b>
<b>IV</b>	DSE-3		<b>Data Analysis / Demography</b>	4	4
	DSE-3 Tutorial		Tutorial-DSE-3 based on DSE-3	1	1
	DSE-4		<b>International Economics-II/ Public Finance</b>	4	4
	DSE-4 Tutorial		Tutorial-DSE-4 based on DSE-4	1	1
	DSE-5		<b>Econometrics-II/Gandhian Economics-II</b>	4	4
	DSE-5 Tutorial		Tutorial-DSE-5 based on DSE-5	1	1
	Dissertation		<b>Dissertation</b>	4	4
			<b>Presentation</b>	2	2
			<b>Total</b>	<b>21</b>	
		<b>Total Credits (Semester I+II+III+IV)</b>	<b>80</b>		

RKS

Feb 2 9a



## Readings

1. Karl E. Case and Ray C. Fair, *Principles of Economics*, Pearson Education Inc., 8th Edition, 2007.
2. N. Gregory Mankiw, *Economics: Principles and Applications*, India edition by South Western, a part of Cengage Learning, Cengage Learning India Private Limited, 4th edition, 2007.
3. Joseph E. Stiglitz and Carl E. Walsh, *Economics*, W.W. Norton & Company, Inc., New York, International Student Edition, 4th Edition, 2007. H.L. Ahuja.

## SEMESTER I

B.A. (Hons.) Economics, Semester-I, Core-2

Course: Mathematical Methods in Economics-I

Course Code: FOX

Course Credit: (4+1)

FOX

## MATHEMATICAL METHODS IN ECONOMICS-I

### Course Outcomes

The course hones and upgrades the mathematical skills acquired in school and paves the way for the first semester course Mathematical Methods in Economics I. The analytical tools introduced in this course have applications wherever optimisation techniques are used in business decision-making. These tools are necessary for anyone seeking employment as an analyst in the corporate world. The course additionally makes the student more logical in making or refuting arguments.

### Course Outline

#### Unit: 1

Variables, constants and parameters; Equations and Identities; Sets and Set operations;

#### Unit: 2

Relations and functions; types of functions: constant & polynomial functions; sequences and series; arithmetic & geometric progression

#### Unit: 3

The derivative and the slope of a curve; process of differentiation; derivatives of first and second order; condition of maxima and minima of a function

#### Unit: 4

Application of differentiation in economics-elasticity of demand, cost and revenues, conditions for profit maximization in perfect, monopoly & monopolistic competitions.

#### Unit: 5

Integration of function- Simple concepts, Consumer and Producer's surplus

Given consent online  
Bos External Member  
Prof. Niti Jann

Manisha  
31.12.21

  
31-12-2021



## SEMESTER I

**B.A. (Hons.) Economics, Semester-I, Ability Enhancement Course (AEC-I)**

**Course: NSS and Social Economic Development**

**Course Code: ECUATA1**

**Course Credit: (02)**

### **NSS and Social Economic Development**

**Objectives:** The main objectives of this course are:

1. To help learners know about environmental issues and disaster management.
2. To understand the role of entrepreneurship in social development.
3. To learn documentation and reporting.

#### **Course Outcomes**

Learners will learn to appreciate the concerns regarding the environment. They will have the background information to start a venture. They will also be able to prepare a socio-economic development plan.

#### **UNIT 1: Environmental Issues**

Natural Resource Management, Sustainable Development, Renewable & Non Renewable Resources, Environment & Development Trade-off;

#### **UNIT 2: Disaster Management**

Introduction; Definitions and types of disasters; Disaster Management, Role of NSS in disaster management; Civil defence & Disaster Management

#### **UNIT 3: Entrepreneurship**

Definition and meaning; Characteristics of Entrepreneurs; Types of Entrepreneurs

Types of Entrepreneurship; Entrepreneurs and the Economy;

#### **UNIT 4: Funding a Venture**

Sources of funding and formalities

#### **Suggested Readings:**

1. Biodiversity, Environment and Disaster Management by Shamma Hussain (Unique Publishers)
2. Environmental Studies by P K Pandey (Mahaveer Publications)
3. Fundamentals of Entrepreneurship by H Nandan (PHI)

Shamsha given consent online  
BOS External Member  
prof. Niti Jain





## SEMESTER I

B.A. (Hons.) Economics, Semester-I, Skill Enhancement Course (SEC-1)

Course: Money and Financial Market

Course Code: ECUATL1

Course Credit: (02)

### Money and Financial Market

#### Course Outcomes

This course exposes students to the theory and functioning of the monetary and financial sectors of the economy. It highlights the organization, structure and role of financial markets and institutions. It also discusses interest rates, monetary management and instruments of monetary control. Financial and banking sector reforms and monetary policy with special reference to India are also covered.

#### Course Outline

##### 1. Money

Concept, functions, measurement; theories of money supply

##### 2. Financial Institutions, Markets, Instruments and Financial Innovations

Money and capital markets; organization, structure and reforms in India; role of financial institutions

##### 3. Banking System

Indian banking system: Changing role and structure; banking sector reforms.

##### 4. Central Banking and Monetary Policy

Central Bank: Functions, goals, targets, instruments of monetary control; current monetary policy of India.

#### Readings

1. F. S. Mishkin and S. G. Eakins, Financial Markets and Institutions, Pearson Education, 6th edition, 2009.
2. F. J. Fabozzi, F. Modigliani, F. J. Jones, M. G. Ferri, Foundations of Financial Markets and Institutions, Pearson Education, 3rd edition, 2009.
3. L. M. Bhole and J. Mahukud, Financial Institutions and Markets, Tata McGraw Hill, 5th edition, 2011.
4. M. Y. Khan, Indian Financial System, Tata McGraw Hill, 7th edition, 2011.
5. Various latest issues of R.B.I. Bulletins, Annual Reports, Reports on Currency and Finance and Reports of the Working Group, IMF Staff Papers.

Given consent online  
BOS External member  
Prof. Niti Jain

Shanika





4. Richard T. Froyen, *Macroeconomics*, Pearson Education Asia, 2nd edition, 2005.
5. Andrew B. Abel and Ben S. Bernanke, *Macroeconomics*, Pearson Education, Inc., 7th edition, 2011.
6. Errol D'Souza, *Macroeconomics*, Pearson Education, 2009.
7. Paul R. Krugman, Maurice Obstfeld and Marc Melitz, *International Economics*, Pearson Education Asia, 9th edition, 2012.

## SEMESTER II

B.A. (Hons.) Economics, Semester-II, Core-4

Course: Mathematical Methods in Economics-II

Course Code: FOY

Course Credit: (4+1)

### MATHEMATICAL METHODS IN ECONOMICS - II

#### Course Outcomes

The course provides the mathematical foundations necessary for further study of a variety of disciplines including postgraduate economics, statistics, computer science, finance and data analytics. The analytical tools introduced in this course have applications wherever optimization techniques are used in business decision-making for managers and entrepreneurs alike. These tools are necessary for anyone seeking employment as an analyst in the corporate world.

#### Course Outline

##### Unit: 1

Linear Programming: Graphical solution and its application in economics, Duality

##### Unit: 2

Matrix: various types, addition and subtraction, multiplication of matrix

##### Unit: 3

Determinants, singular matrix, inverse of a matrix, solution of simultaneous equations through crammer's rule

##### Unit: 4

Game theory-simple and mixed strategy, saddle point solutions, prisoner's dilemma

##### Readings:

K. Sydsaeter and P. Hammond, *Mathematics for Economic Analysis*, Pearson Educational Asia, Delhi, 2002.

## SEMESTER II

B.A. (Hons.) Economics, Semester-II, Generic Elective (GE-2)

Course: Introductory Macroeconomics

Course Code:

Course Credit: (4+1)

Given consent outline  
BOS External member  
Prof. Niti Jain

Nemisha  
31-12-21

21-12-2021



## SEMESTER II

B.A. (Hons.) Economics, Semester-II, Ability Enhancement Course (AEC-II)

Course: NSS and Youth Development

Course Code: ECUBTA2

Course Credit: (02)

### NSS and Youth Development

- Objectives:** The main objectives of this course are:
1. To help learners know about NSS in the context of youth, community and voluntary service.
  2. To appreciate the importance of health, hygiene and sanitation for a healthy nation.
  3. To propagate Yoga as a way of healthy living.

**Course Outcome:**

Learners will have the knowledge about NSS and its role in the fields of health, hygiene and sanitation so as to build a strong country. They will be able to use Yoga for healthy living.

**Course Outline**

**Unit 1: Introduction to NSS**

History, philosophy, aims and objectives of NSS; Organization of NSS, Funding; Regular Activities; Special Camping; Adopted village; NGOs

**Unit 2: Health, Hygiene and Sanitation**

Importance of health, hygiene and sanitation; Various Govt. programmes

**Unit 3: Youth Health**

Healthy lifestyles; HIV/AIDS, drugs and substance use; Firstaid

**Unit 4: Youth and Yoga**

History and philosophy of yoga; Yoga for healthy living

**Suggested Readings:**

1. National Youth Policy Document.
2. National Service Scheme - A Youth Volunteers Programme For Under Graduate Students As Per UGC Guidelines by J D S Panwar, A K Jain & B K Rathi (Astral).
3. Communication Skills by N Rao & R P Das (HIPH).
4. Light on Yoga by B K Iyenger (Thorsons).

given consent online  
BOS external member  
prof. Niti Jain

Nanika



## SEMESTER III

B.A. (Hons.) Economics, Semester-III, GE-3

Course: Money & Banking

Course Code:

Course Credit: (4+1)

### Money & Banking

#### Course Description

This course exposes students to the theory and functioning of the monetary and financial sectors of the economy. It highlights the organization, structure and role of financial markets and institutions. It also discusses interest rates, monetary management and instruments of monetary control. Financial and banking sector reforms and monetary policy with special reference to India are also covered.

#### Learning Outcomes

It allows students to analyze financial market outcomes and evaluate policies. Banks also facilitate companies with an adequate amount of funds to finance their operations. Money and Banking are the two most essential components that drive the Economy. Money allows people to make transactions, whereas Banks play a vital role in circulating the Money supply in the Market.

#### Unit 1

Money Concept, functions, measurement; theories of money supply in India, Money invented in India.

#### Unit 2

Financial Institutions, Markets, Instruments and Financial Innovations. Money and capital markets: organization, structure and reforms in India; role of financial Institutions.

#### Unit 3

Banking System Indian banking system: Changing role and structure; banking sector reforms. Central Banking and Monetary Policy.

#### Unit 4

Central Bank: Functions, goals, targets, instruments of monetary control; current monetary policy of India.

#### Readings

F. S. Mishkin and S. G. Eakins, Financial Markets and Institutions, Pearson Education, 6th edition, 2009.

F. J. Fabozzi, F. Modigliani, F. J. Jones, M. G. Ferri, Foundations of Financial Markets and Institutions, Pearson Education, 3rd edition, 2009.

L. M. Bhole and J. Maliukud, Financial Institutions and Markets, Tata McGraw Hill, 5th edition, 2011.

RKB

11



	1 <sup>st</sup> Semester UG	1 <sup>st</sup> Semester PG
script	21.08.2023	11.09.2023
mester	16.10.2023 to 20.10.2023	27.10.2023
ript	10.11.2023	20.11.2023 to 2

VISHWAVIDYALAYA, BILASPL

Academic Calendar for Academic Session 2023-  
for the University Teaching Departments

3<sup>rd</sup> and 4<sup>th</sup> Semesters (UG and PG)

S.N	Event	3 <sup>rd</sup> Sem
1	Commencement of class	
2		

3. Kaushik Basu, and A. Maertens (ed.), The Oxford Companion to Economics in India, Oxford University Press, 2007.
4. M.M Sury, Government Budgeting in India, Commonwealth Publishers, 1990.

#### SEMESTER IV

**B.A. (Hons.) Economics, Semester-IV, AEC-4**

**Course: NSS and Entrepreneurship Development**

**Course Code:**

**Course Credit: (2)**

#### NSS and Entrepreneurship Development

**Course Objectives:** The main objectives of this course are:

1. To help learners know about Value System in order to understand Social Responsibilities.
2. To appreciate the importance of Entrepreneurship Development for a better society.
3. To get in to the concept of Gender Sensitivity and Women Empowerment in order to promote gender equality.

#### Learning Outcomes

- : Learners will have the knowledge about value system and its role in the Indian Value System. They will be able to understand the concept of Women Empowerment and various scheme of Self – Employment Schemes for Entrepreneurship Development.

#### Unit 1 : Value System

- Meaning of Values, Types of Values
- Human Values & Social Responsibilities
- Indian Value System – the Concepts and its Features
- Eleven Vows

#### Unit 2 : Entrepreneurship Development

- Entrepreneurship Development – its meaning
- Attributes of Entrepreneur
- Women Entrepreneur

#### Unit 3: Gender Sensitivity and Women Empowerment

- Concept of Gender
- Causes behind Gender related problems and remedial measures.
- Meaning of Woman Empowerment

RKB

*Handwritten signature*



- Various Schemes for Woman Empowerment in India

#### Unit 4 : Government and Self – Employment Schemes for Entrepreneurship Development

- Skill India
- Startup India
- Digital India
- Make in India
- NITI Aayog

#### *Suggested Readings:*

1. National Service Scheme Manual (Revised), 2006 Government of India, Ministry of Youth Affairs and Sports, New Delhi.
2. Rashtriya Seva Yojana Sankalpana - Prof. Dr. Sankey Chakane, Dr. Pramod /Pabrekar, Diamond Publication, Pune.
3. Case material as a Training Aid for Field Workers, Gurmeet Hans.
4. Social Service opportunities in Hospitals, Kapil K. Krishnan, TISS
5. New Trends in NSS, Research papers published by University of Pune.
6. ANOOGUNJ Research Journal, published by NSS Unit C. K. Thakur College
7. Joint Programme of National Service Scheme, University of Mumbai and DISHA -DEPSHIKHA Projects, Nair Hospital, 2011 -12.
8. National Service Scheme in India : A Case Study of Karnataka, M. B. Dishad, Trust Publications, 2001
9. <http://www.thebetterindia.com/140/national-service-scheme-nss/>
10. <http://en.wikipedia.org/wiki/national-service-scheme>
11. <http://nss.nic.in/adminstruct>
12. <http://socialworkness.org/about.html>
13. Dande V. C. - Rashtriya Seva Yojana Drushtikshep - February, 2016.

RKS  
 [Signature]  
 9/12




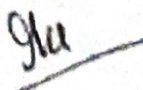
DSE-2  
ECONOMETRICS-I

**Objective: Econometrics is a tool to judge the role of economic variables in the economic development.**

1. Origin and development of Indian Knowledge System with reference to this paper. Quantitative & Qualitative Analysis, Meaning and Methodology of Econometrics, Basics of Two-Variable Regression Analysis. OLS Estimation and Hypothesis Testing.
2. Multiple Regression Model, Estimation and Inference. Assumption of Classical Linear Regression Model (CLRM)
3. Nature, Consequences, Detection and Remedial Measures of Multi Collinearity, Heteroscedasticity and Autocorrelation (Durbin-Watson Test).
4. Regression on Dummy Variable, Dynamic Econometrics Models: Autoregressive and Distributed Lag Models-Koyek Approach.
5. Time Series Analysis : Introduction, economic Time Series : Stationary and Non-Stationary.

**BASIC READING LIST**

1. Amemiya, T. (1985), Advanced Econometrics, Harvard University Press, Cambridge, Mass.
2. Baltagi, B.H. (1998), Econometrics, Springer, New York.
3. Dongherty, C. (1992), Introduction to Econometrics, Oxford University Press, New York.
4. Goldberger, A.S. (1998), Introductory Econometrics, Harvard University Press, Cambridge, Mass.
5. Gujarati, D.N. (1995), Basic Econometrics (2nd Edition), McGraw Hill, New Delhi.
6. Hill R. C., E.G. William and G.G. Judge (1997), Undergraduate Econometrics, Wiley, New York.
7. Kennedy. P. (1998), A Guide to Econometrics (4th Edition), MIT Press, New York.
8. Koutsoyiannis, A. (1977), Theory of Econometrics (2nd ed.), The Macmillan Press Ltd., London.
9. Krishna, K.L. (Ed.) (1997), Econometric Applications in India, Oxford University Press, New Delhi.
10. Maddala, G.S. (Ed.) (1993), Econometrics Methods and Application (2 Vols. ), Aldershot U.K.



## SEMESTER-IV

Paper	Semester-IV	Credits
DSE-3	Data Analysis / Demography	4L + 1T = 5
DSE-4	International Economics-II/ Public Finance	4L + 1T = 5
DSE-5	Econometrics-II/Gandhian Economics-II	4L + 1T = 5
Dissertation	Dissertation/Presentation	4D + 2P = 6

### DSE-3

#### Data Analysis

##### Unit 1

Importance of Statistics in Economics, Collection of data, Primary and Secondary Sources of Data, Methods of collection of Primary Data- questionnaire, schedule, Observation and interview method.

##### Unit 2

Probability & amp; Non Probability Sampling-Random Sampling, Purposive or Deliberate Sampling, Stratified or Mixed Sampling, Systematic Sampling, Quota Sampling, Convenience Sampling etc.

##### Unit 3

Classification and Tabulation of Data

##### Unit 4

Diagrammatic Representation of Data: Bar Diagrammes-Simple Bar Diagramme, Multiple Bar Diagramme, Differential Bar Diagramme, Pie or Circular Diagram.

##### Unit 5

Tests of Hypothesis: Student's t-tests, F-test.

##### References:

- 1) S.K Gupta & V.K Kapoor, "Fundamentals of Mathematical Statistics.
- 2) N.G Das, "Statistical Methods" (Vol I & Vol 2).
- 3) P.K Giri & Jiban Banerjee, "Introduction to Statistics"
- 4) M.R, "Probability & Statistics", Spiegel
- 5) William Feller, "An Introduction to Probability Theory & its Application".
- 6) Agresti, Franklin, "Statistics: The Art & Science of Learning from Data, Instructors Edition".
- 7) TR jain & VK ohri " Statistics for Economics
- 8) Agresti, Alan, " Categorical data Analysis" Willey publication

*[Handwritten signatures and initials]*



DSE-5  
ECONOMETRICS – II

**Objective:** To develop the mathematical, statistical and analytical approach in the economics with the help of econometrics.

1. **Regression Analysis and F-Test (Analysis of variance) One way, two way.**
2. **Matrix Approach to Linear Regression Model. Assumptions, OLS Estimation and their properties. Interpretation of Results.**
3. **Autoregressive Model: The Adaptive Expectation Model, Partial Adjustment Model, The Almon Approach to Distributed Lag Model.**
4. **Chow Test: Test of equality between coefficient's, Application of LRM for estimation of Growth rate, demand function, production function.**
5. **Simultaneous Equation Model (SEM) : The method of Indirect Least Square and Two Stage Least Square Methods (Assumptions & Properties)**

**BASIC READING LIST**

1. Amemiya, T. (1985), Advanced Econometrics, Harvard University Press, Cambridge, Mass.
2. Baltagi, B.H. (1998), Econometrics, Springer, New York.
3. Dongherty, C. (1992), Introduction to Econometrics, Oxford University Press, New York.
4. Goldberger, A.S. (1998), Introductory Econometrics, Harvard University Press, Cambridge, Mass.
5. Gujarati, D.N. (1995), Basic Econometrics (2nd Edition), McGraw Hill, New Delhi.
6. Hill R. C., E.G. William and G.G. Judge (1997), Undergraduate Econometrics, Wiley, New York.
7. Kennedy. P. (1998), A Guide to Econometrics (4th Edition), MIT Press, New York.
8. Koutsoyiannis, A. (1977), Theory of Econometrics (2nd ed.), The Macmillan Press Ltd., London.
9. Krishna, K.L. (Ed.) (1997), Econometric Applications in India, Oxford University Press, New Delhi.
10. Maddala, G.S. (Ed.) (1993), Econometrics Methods and Application (2 Vols. ), Aldershot U.K.

*RKS*  
*gka*