

<b>GEN-3101</b>		<b>Functional English</b>	<b>Credit Hrs. 3(3-0)</b>
<b>Week</b>	<b>Lecture</b>	<b>Topics</b>	<b>Activity</b>
<b>Week 1</b>	Lecture 1	Introduction To Grammar: Role of Grammar in Communication, Course Overview	
	Lecture 2	Sentence Elements: Subject, Verb, Object, Complement, Predicate, Sentence Agreement	
	Lecture 3	Parts of Speech: Noun, Pronoun, Verb, Adjective, Adverb, Conjunction, Interjection, Preposition Noun: Proper Noun, Common Noun, Abstract Noun, Concrete Noun, Collective Noun, Compound Noun, Countable Noun, Uncountable Noun	
<b>Week 2</b>	Lecture 1	Pronoun: Personal Pronoun, Possessive Pronoun, Indefinite Pronoun, Relative Pronoun, Intensive Pronoun, Demonstrative Pronoun, Interrogative Pronoun, Reflexive Pronoun	
	Lecture 2	Adjective: Descriptive, Demonstrative, Possessive, Interrogative, Indefinite, Compound Adjectives, Adjectives of Number or Adjectives Of Quantity (Definite Numeral Adjectives, Indefinite Numeral Adjectives, Distributive Numeral Adjectives) Verb: Action Verb, Compound Verb, Transitive and Intransitive Verb, Auxiliary Verb, Modal Verb, Phrasal Verb, Regular, Irregular Verbs	
	Lecture 3	Adverb: Adverb of Manner, Adverb of Time, Adverb of Place Prepositions: Types of Preposition (Functional Types: Preposition of Time, Preposition of Place, Preposition of Direction/Movement) Types of Preposition (on the Basis of Structure): Double Prepositions, Compound Prepositions, Participle Prepositions, Phrase Prepositions	
<b>Week 3</b>	Lecture 1	Conjunction: Coordinating Conjunction, Correlative Conjunction, Subordinating Conjunction	
	Lecture 2	Interjection: Emotive Interjection, Volitive Interjection, Cognitive Interjection	
	Lecture 3	Articles: Definite and Indefinite, Usage Rules, Exceptions Parts of Speech: Practice- Identification,	

		Correction Exercises	
<b>Week 4</b>	Lecture 1	Sentence Structure: Sentence Basics (Simple, Negative, Interrogative); Types By Structure: Simple, Compound, Complex, Compound-Complex; Types by Function: Declarative, Interrogative, Imperative, Exclamatory	Assignment#1
	Lecture 2	Tenses: Present, Past and Future Tense: Rules and Exercises	
	Lecture 3	Voice: Active and Passive: Introduction, Definition of Voice, Transformation Rules for all Tenses, Passive of Imperatives	
<b>Week 5</b>	Lecture 1	Voice Practice: Conversion Exercises, Correcting Passive Misuse	
	Lecture 2	Unified Sentences in English: Definition, Coherence, Unity, Logical Flow	
	Lecture 3	Unified Sentences (Continued): Use Of Transitional Devices, Maintaining Paragraph Unity	
<b>Week 6</b>	Lecture 1	Phrases: Introduction, Structure and Types: Noun, Verb, Adjective, Adverb, Prepositional Phrases Phrase Practice: Usage in Writing, Combining Phrases	Quiz #1
	Lecture 2	Clauses: Introduction Difference between Clause and Phrase	
	Lecture 3	Types of Clause: Independent Clause, Dependent Clause Types Of Dependent Clauses: Noun, Adjective, Adverb Clauses with Examples	
<b>Week 7</b>	Lecture 1	Punctuation (Basics): Full Stop, Comma, Question Mark, Exclamation Mark	
	Lecture 2	Advanced Punctuation: Semicolon, Colon, Apostrophe, Quotation Marks, Parentheses	
	Lecture 3	Advanced Punctuation (Continued): Brackets, Braces, Dash, Hyphen, Ellipsis	
<b>Week 8</b>	<b>Midterm</b>		
<b>Week 9</b>	Lecture 1	Spelling Rules: Common Spelling Rules (E.G., -Ie/-Ei, Silent Letters, Homophones), Doubling Consonants, Silent Letters (Kn, Wr, Gh)	
	Lecture 2	Spelling Rules (Continued): Suffixes (-Ing, -Ed, -Able), Confusing Pairs (Their/There/They Are, Affect/Effect)	Assignment#2
	Lecture 3	Reading Comprehension: Definition, Levels of Comprehension, Principles/Rules of Comprehension	

<b>Week 10</b>	Lecture 1	Reading Comprehension (Continued): Literal, Inferential	
	Lecture 2	Reading Comprehension (Continued): Evaluative Reading; Skimming and Scanning Techniques	
	Lecture 3	Comprehension Practice: Exercises On Reading between and Beyond the Lines, Answering Questions	
<b>Week 11</b>	Lecture 1	Discussion Skills: Introduction and Importance	
	Lecture 2	Discussion Skills (Continued): Strategies-Turn-Taking, Active Listening, Using Transitions, Asking Clarifying Questions, Agreeing/Disagreeing Politely	Quiz #2
	Lecture 3	Discussion Practice-Topics: Narrating Past Events, Comparing Ideas, Expressing Opinions	
<b>Week 12</b>	Lecture 1	Listening Skills: Introduction, Types of Listening: Active, Reflective, Critical, Appreciative, Empathetic; Common Listening Barriers	
	Lecture 2	Listening Practice: Note-Taking, Summarizing Audio/Video Clips, Identifying Key Ideas	
	Lecture 3	Listening Practice: Listening to Documentaries for Main Ideas	
<b>Week 13</b>	Lecture 1	Translation Skills: Introduction Types of Translation: Literal, Contextual, Idiomatic, Communicative	
	Lecture 2	Translation Skill: Basic Rules for Urdu to English Translation and Sentence Structure	
	Lecture 3	Translation Practice: Urdu To English Sentence and Paragraph Translation	
<b>Week 14</b>	Lecture 1	Paragraph Writing: Introduction, Parts of a Paragraph: Topic Sentence, Supporting Details, Coherence, Conclusion	
	Lecture 2	Paragraph Practice: Descriptive, Narrative, Argumentative Paragraphs with Transitions	
	Lecture 3	Presentation Skills: Introduction, Types of Presentations: Informative, Persuasive, Demonstrative	
<b>Week 15</b>	Lecture 1	Types of Presentations (Continued): Motivational, Instructional, Impromptu	
	Lecture 2	Structure and Tips For Effective Presentations	
	Lecture	Presentation Techniques: Verbal/Non-Verbal	

	3	Communication, Visual Aids	
<b>Week 16</b>	Lecture 1	Presentation Techniques (Continued): Slide Design, Tone, Pace	
	Lecture 2	Student Presentations (Prepared): Delivering Informative or Persuasive Talks with Feedback	
	Lecture 3	Student Presentations (Impromptu): On-The-Spot Speaking, Timing, Confidence-Building	
<b>Week 17</b>		<b>Terminal Examination</b>	

<b>GEN-3102</b>		<b>Quantitative Reasoning-I</b>	<b>Credit Hrs. 3(3-0)</b>
<b>Week</b>	<b>Topics</b>	<b>Assignment/Quiz</b>	
Week 1	<ul style="list-style-type: none"> <li>• Number systems and basic arithmetic operations</li> </ul>		
Week 2	<ul style="list-style-type: none"> <li>• Units, unit conversions, dimensions</li> </ul>		
Week 3	<ul style="list-style-type: none"> <li>• Area, perimeter, and volume calculations</li> </ul>		
Week 4	<ul style="list-style-type: none"> <li>• Rates, ratios, proportions, and percentages</li> </ul>	<b>Assignment#1</b>	
Week 5	<ul style="list-style-type: none"> <li>• Types and sources of data; measurement scales</li> </ul>		
Week 6	<ul style="list-style-type: none"> <li>• Tabular and graphical presentation of data; exercises on number knowledge</li> </ul>	<b>Quiz #1</b>	
Week 7	<ul style="list-style-type: none"> <li>• Basics of geometry: lines, angles, circles</li> </ul>		
Week 8	Midterm		
Week 9	<ul style="list-style-type: none"> <li>• Basics of geometry: polygons and their properties</li> </ul>	<b>Assignment#2</b>	
Week 10	<ul style="list-style-type: none"> <li>• Sets and set operations</li> <li>• Relations, functions, and their graphs</li> </ul>		
Week 11	<ul style="list-style-type: none"> <li>• Exponents, factoring, and simplifying algebraic expressions</li> </ul>	<b>Quiz #2</b>	
Week 12	<ul style="list-style-type: none"> <li>• Population, sample, measures of central tendency</li> </ul>		
Week 13	<ul style="list-style-type: none"> <li>• Measures of dispersion and data interpretation</li> </ul>		
Week 14	<ul style="list-style-type: none"> <li>• Rules of counting: multiplication principle, permutations, combinations</li> </ul>		
Week 15	<ul style="list-style-type: none"> <li>• Basic probability theory and examples</li> </ul>		
Week 16	<ul style="list-style-type: none"> <li>• Introduction to random variables and their probability distributions</li> </ul>		
Week 17	Terminal Examination		

GEN-3103		Islamic Studies	Credit Hrs. 2(2-0)
Week	Lecture No.	Topic	Activity
Week 1	Lecture 1	• قرآن پاک کا تعارف، فضائل، اعجاز	
	Lecture 2	• قرآن پاک کا نزول قرآن، جمع و تدوین	
Week 2	Lecture 3	• علوم قرآن: علم تفسیر، ماخذ تفسیر	
	Lecture 4	• علم اسباب نزول، علم ناسخ و منسوخ	
Week 3	Lecture 5	• سورہ حجرات آیت (01 تا 09)	
	Lecture 6	• سورہ حجرات آیت (10 تا 18)	
Week 4	Lecture 7	• سنت و حدیث کا تعارف: معنی و مفہوم، اقسام	<b>Assignment#01</b>
	Lecture 8	• تاریخ تدوین حدیث	
Week 5	Lecture 9	• سنت کی انہنی حیثیت	
	Lecture 10	• منتخب متون احادیث کا مطالعہ: حدیث نمبر 1-05	
Week 6	Lecture 11	• منتخب متون احادیث کا مطالعہ: حدیث نمبر 5-10	<b>Quiz # 01</b>
	Lecture 12	• منتخب متون احادیث کا مطالعہ: حدیث نمبر 10-15	
Week 7	Lecture 13	□ منتخب متون احادیث کا مطالعہ: حدیث نمبر 20-15	
	Lecture 14	□ پیدائش سے بعثت تک نبی کریم ﷺ کی زندگی کے اہم واقعات	
Week 8	<b>Midterm</b>		
Week 09	Lecture 15	□ نبی پاک ﷺ کی مکی زندگی کے اہم واقعات	
	Lecture 16	□ نبی پاک ﷺ کی مدنی زندگی کے اہم واقعات	<b>Assignment# 02</b>
Week 10	Lecture 17	□ خلافت راشدہ (حضرت ابو بکر صدیق رضی اللہ عنہ و حضرت عمر رضی اللہ عنہ کے دور کی اہم خصوصیات	

	Lecture 18	□ خلافت راشدہ (حضرت عثمان رضی اللہ عنہ و حضرت علی رضی اللہ عنہ کے دور کی اہم خصوصیات	
<b>Week 11</b>	Lecture 19	□ عقائد: ایمانیات ثلاثہ (ایمان باللہ ، ایمان بالرسالت اور ایمان بالآخرت) (الف)	<b>Quiz # 02</b>
	Lecture 20	□ عقائد: ایمانیات ثلاثہ (ایمان باللہ ، ایمان بالرسالت اور ایمان بالآخرت) (ب)	
<b>Week 12</b>	Lecture 21	□ فقہ کا تعارف : پس منظر	
	Lecture 22	□ فقہی مسالک کا تعارف	
<b>Week 13</b>	Lecture 23	□ نماز: اہمیت ، طریقہ نماز ، مسائل نماز (الف)	
	Lecture 24	□ نماز: اہمیت ، طریقہ نماز ، مسائل نماز (ب)	
<b>Week 14</b>	Lecture 25	□ روزہ : اہمیت ، مسائل روزہ	
	Lecture 26	□ زکوٰۃ : اہمیت ، مسائل زکوٰۃ	
<b>Week 15</b>	Lecture 27	□ حج اور عمرہ : اہمیت ، طریقہ کار ، مسائل (الف)	
	Lecture 28	□ حج اور عمرہ : اہمیت ، طریقہ کار ، مسائل (ب)	
<b>Week 16</b>	Lecture 29	□ جہاد: اہمیت ، مقاصد جہاد ، اداب جہاد (الف)	
	Lecture 30	□ جہاد: اہمیت ، مقاصد جہاد ، اداب جہاد (ب)	
<b>Week17</b>	<b>Terminal Examination</b>		

<b>GEN-3104 Ideology and Constitution of Pakistan</b>		<b>Credit Hrs. 2(2-0)</b>
<b>Week</b>	<b>Topics</b>	<b>Assignment/Quiz</b>
Week 1	<ul style="list-style-type: none"> <li>➤ Definition and significance of ideology.</li> <li>➤ Historical contest of the creation of Pakistan (with emphasis on socio-political religious and cultural dynamics of British India between 1857 till 1947).</li> </ul>	
Week 2	<ul style="list-style-type: none"> <li>➤ Historical contest of the creation of Pakistan (with emphasis on socio-political religious and cultural dynamics of British India between 1857 till 1947).</li> <li>➤ Historical contest of the creation of Pakistan (with emphasis on socio-political religious and cultural dynamics of British India between 1857 till 1947).</li> </ul>	
Week 3	<ul style="list-style-type: none"> <li>➤ Historical contest of the creation of Pakistan (with emphasis on socio-political religious and cultural dynamics of British India between 1857 till 1947).</li> <li>➤ Historical contest of the creation of Pakistan (with emphasis on socio-political religious and cultural dynamics of British India between 1857 till 1947).</li> </ul>	
Week 4	<ul style="list-style-type: none"> <li>➤ Historical contest of the creation of Pakistan (with emphasis on socio-political religious and cultural dynamics of British India between 1857 till 1947).</li> <li>➤ Historical contest of the creation of Pakistan (with emphasis on socio-political religious and cultural dynamics of British India between 1857 till 1947).</li> </ul>	<b>Assignment#1</b>
Week 5	<ul style="list-style-type: none"> <li>➤ Contributions of founding fathers of Pakistan of Pakistan in the freedom movement including but not limited to Allama Muhammad Iqbal, Muhammad Ali Jinnah., etc.</li> <li>➤ Contributions of founding fathers of Pakistan of Pakistan in the freedom movement including but not limited to Allama Muhammad Iqbal, Muhammad Ali Jinnah., etc.</li> </ul>	
Week 6	<ul style="list-style-type: none"> <li>➤ Contributions of founding fathers of Pakistan of Pakistan in the freedom movement including but not limited to Allama Muhammad Iqbal, Muhammad Ali Jinnah., etc.</li> <li>➤ Contributions of founding fathers of Pakistan of Pakistan in the freedom movement including but not limited to Allama Muhammad Iqbal, Muhammad Ali Jinnah., etc.</li> </ul>	<b>Quiz #1</b>
Week 7	<ul style="list-style-type: none"> <li>➤ Contributions of women and students in the freedom movement for separate homeland for Muslims of British India.</li> <li>➤ Contributions of women and students in the freedom movement for separate homeland for Muslims of British India.</li> </ul>	
Week 8	<b>Midterm</b>	
Week 9	<ul style="list-style-type: none"> <li>➤ Evolution of the Two-Nation Theory (Urdu-Hindi controversy, Partition of Bengal, Simla Deputation 1906)</li> <li>➤ Evolution of the Two-Nation Theory (Allama Iqbal's</li> </ul>	<b>Assignment#2</b>

	Presidential Address 1930, Congress Ministries 1937 Lahore Resolution 1940).	
Week 10	<ul style="list-style-type: none"> <li>➤ Definition and importance of a constitution.</li> <li>➤ Ideological factors that shaped the Constitution(s) of Pakistan (Objectives Resolution 1949).</li> </ul>	
Week 11	<ul style="list-style-type: none"> <li>➤ Structure of Government (executive, legislature, and judiciary).</li> <li>➤ Distribution of powers between federal and provincial governments.</li> </ul>	<b>Quiz #2</b>
Week 12	<ul style="list-style-type: none"> <li>➤ 18<sup>th</sup> Amendment and its impact on federalism.</li> <li>➤ Overview of fundamental rights guaranteed to citizens by the Constitution of Pakistan 1973 (Articles 8-28).</li> </ul>	
Week 13	<ul style="list-style-type: none"> <li>➤ Overview of fundamental rights guaranteed to citizens by the Constitution of Pakistan 1973 (Articles 8-28).</li> <li>➤ Overview of Principles of Policy (Articles 29-40).</li> </ul>	
Week 14	<ul style="list-style-type: none"> <li>➤ Overview of Principles of Policy (Articles 29-40).</li> <li>➤ Overview of Principles of Policy (Articles 29-40).</li> </ul>	
Week 15	<ul style="list-style-type: none"> <li>➤ Responsibilities of the Pakistan citizens (Article 5).</li> <li>➤ Procedures for amending the Constitution.</li> </ul>	
Week 16	<ul style="list-style-type: none"> <li>➤ Notable Constitutional amendments and their implications</li> <li>➤ Notable Constitutional amendments and their implications</li> </ul>	
Week 17	<b>Terminal Examination</b>	

<b>GEN-3105</b>		<b>General Science</b>	<b>Credit Hrs. 3(2-1)</b>
<b>Week</b>	<b>Topics</b>	<b>Assignment/Quiz</b>	
Week 1	<b>Unit I:</b> Observations, Hypothesis, Theory		
Week 2	<b>Unit II:</b> Types of matter ,Atomic theory of Matter, Elements and Compounds, Mixtures and Solution, Force,		
Week 3	Motion ,Speed, Velocity and Acceleration, Laws of Motion,		
Week 4	Light and splitting of its into its color and various phenomena associated with light i.e. refraction	<b>Assignment#1</b>	
Week 5	<b>Unit III:</b> Energy and Work, Types of Energy ,		
Week 6	Conversion of Energy from one form to another, Law of conservation of energy	<b>Quiz #1</b>	
Week 7	<b>Unit VI:</b> Structure of animal and plant cell,		
Week 8	<b>Midterm</b>		
Week 9	Cell division, Cell Theory	<b>Assignment#2</b>	
Week 10	<b>Unit V:</b> Blood circulatory system, Digestive system,		
Week 11	Reproductive system , Excretory system	<b>Quiz #2</b>	
Week 12	<b>Unit VI:</b> pH , Acid, ,Bases,		
Week 13	Difference between metals and non metals ,Formulae of different compounds,		
Week 14	Extraction of Metals from its or Alloys Rusting and corrosion ,		
Week 15	<b>Unit VII:</b> A brief description of planets of solar system		
Week 16			
Week 17	<b>Terminal Examination</b>		

<b>ECO-3106 Principles of Microeconomics Credit Hrs. 3(3-0)</b>			
<b>Week</b>	<b>Lecture No.</b>	<b>Topic / Contents</b>	<b>Activity</b>
<b>1</b>	1	Introduction to Economics; The Economic Problem (scarcity, choice, opportunity cost)	
	2	Economic Decision Makers: Households, Firms, Government	
	3	Circular Flow Model (Two-sector & Four-sector)	
<b>2</b>	4	Microeconomics vs Macroeconomics: Scope and Importance	
	5	The Market System and Price Mechanism	
	6	Review, Examples and Applications	
<b>3</b>	7	Demand: Meaning, Demand Function and Demand Curve	
	8	Law of Demand, Exceptions, Engel Curve	
	9	Changes in Demand vs Change in Quantity Demanded	
<b>4</b>	10	Factors Affecting Demand	<b>Assignment# 01</b>
	11	Shift in Demand Curve and Consumer Surplus	
	12	Applications of Demand Analysis	
<b>5</b>	13	Supply: Meaning, Supply Function and Supply Curve	
	14	Law of Supply and Factors Affecting Supply	
	15	Changes in Supply and Producer Surplus	
<b>6</b>	16	Equilibrium of Demand and Supply	<b>Quiz #1</b>
	17	Changes in Market Equilibrium	
	18	Price Controls: Price Ceiling and Price Floor	
<b>7</b>	19	Taxes: Impact on Market Equilibrium	
	20	Subsidies and Their Effects	
	21	Review and Numerical Problems	
<b>8</b>	Midterm		
<b>9</b>	22	Price Elasticity of Demand, Point Elasticity of Demand Income Elasticity of Demand	<b>Assignment #2</b>
	23	Arc Elasticity of Demand, Price Elasticity of Supply	
	24	Cross Elasticity of Demand and Supply	
<b>10</b>	25	Consumer Behavior: Utility Analysis (Cardinal Approach)	
	26	Marginal Utility and Law of Diminishing Marginal Utility	

	27	Law of Equi-Marginal Utility and Consumer Equilibrium (Cardinal)	
<b>11</b>	28	Ordinal Approach of Consumer Behavior; Indifference Curves	<b>Quiz #2</b>
	29	Features of Indifference Curves and Budget Line	
	30	Consumer Equilibrium (Ordinal) and Comparison of Approaches	
<b>12</b>	31	Production: Meaning and Factors of Production	
	32	Production Function and Short-run Production Relations	
	33	Total, Average, Marginal Product and Elasticity of Production	
<b>13</b>	34	Laws of Returns to Scale	
	35	Cost of Production: Short-run Cost Analysis	
	36	Long-run Cost Analysis	
<b>14</b>	37	Economies of Scale	
	38	Elasticity of Cost and Long-run Average Cost Curve (Graphical)	
	39	Duality Between Production and Cost of Production	
<b>15</b>	40	Market Structures: Perfect Competition, Monopoly, Monopolistic Competition, Oligopoly	
	41	Short-run Firm Equilibrium under Perfect Competition	
	42	Long-run Equilibrium and Supply Curve under Perfect Competition	
<b>16</b>	43	Monopoly: Meaning, Features and Price Determination	
	44	Short-run and Long-run Equilibrium under Monopoly	
	45	Overall Revision and Exam Preparation	
<b>17</b>	<b>Terminal Exam</b>		

UOQ-3107		Understanding of Quran		Credit Hrs.1(1-0)
Week	Units	Lesson	Assignments/home Task	Linguistic Rules
1	1	1-6	پڑھے گئے اسباق کے قرآنی الفاظ کا معنی لکھیں	معرفہ، مذکر مؤنث
	1	9-14	پڑھے گئے اسباق کے قرآنی الفاظ کا معنی لکھیں	جمع کی دو اقسام ، نکرہ اور و کا معنی
2	1	15-17	پڑھے گئے اسباق کے قرآنی الفاظ ، قطعے اور جملوں کا ترجمہ لکھیں	ہذا، ہذہ ذالک ، تلک
	1	18-19 and revision of unit 1	پڑھے گئے اسباق کے قرآنی الفاظ ، قطعے اور جملوں کا ترجمہ لکھیں	لام تاکید ، اسم تفصیل
3	2	1-3	پڑھے گئے اسباق کے قرآنی الفاظ ، قطعے اور جملوں کا ترجمہ لکھیں	ان ، لام کئی اور فی کی بحث
	2	4-6	پڑھے گئے اسباق کے قرآنی الفاظ ، قطعے اور جملوں کا ترجمہ لکھیں	حروف جار علی ، من ، الی
4	2	7-9	پڑھے گئے اسباق کے قرآنی الفاظ ، قطعے اور جملوں کا ترجمہ لکھیں	حروف جار "ب" ، لام نافیہ ، لام نفی جنس ، ما نافیہ اور الا
	2	10-13 and Revision of Unit 2 Assignment	پڑھے گئے اسباق کے قرآنی الفاظ ، قطعے اور جملوں کا ترجمہ لکھیں	ان ، کان ، حروف النداء
5	Unit 3	1-2	پڑھے گئے اسباق کے قرآنی الفاظ ، قطعے اور جملوں کا ترجمہ لکھیں	صفت ، موصوف
	3	3-5	پڑھے گئے اسباق کے قرآنی الفاظ ، قطعے اور جملوں کا ترجمہ لکھیں	مضاف ، مضاف الیہ
6	3	6-7	پڑھے گئے اسباق کے قرآنی الفاظ ، قطعے اور جملوں کا ترجمہ لکھیں	مضاف ، مضاف الیہ
	3	8-10 And revision of Unit 3 Quiz	پڑھے گئے اسباق کے قرآنی الفاظ ، قطعے اور جملوں کا ترجمہ لکھیں	اسم فاعل ، اسم مفعول اور مثنی
7	Unit 4	1-2	پڑھے گئے اسباق کے قرآنی الفاظ ، قطعے اور جملوں کا ترجمہ لکھیں	ضمیر ہو منفصل ، ء ضمیر متصل
	4	3-4	پڑھے گئے اسباق کے قرآنی الفاظ ، قطعے اور جملوں کا ترجمہ لکھیں	حروف جار ، ضمیر متصل

			جملوں کا ترجمہ لکھیں	
	4	5-8	پڑھے گئے ابساق کے قرآنی الفاظ، قطعے اور جملوں کا ترجمہ لکھیں	ضمیر منفصل انت، ضمیر متصل "ک" مرکب اضافی اور ضمیر متصل
8	<b>Midterm</b>			
9	4	9-12	پڑھے گئے ابساق کے قرآنی الفاظ، قطعے اور جملوں کا ترجمہ لکھیں	ضمیر منفصل ہی، ضمیر متصل ہا
	4	13-16 <b>Assignment</b>	پڑھے گئے ابساق کے قرآنی الفاظ، قطعے اور جملوں کا ترجمہ لکھیں	ضمیر منفصل انا، ضمیر متصل ی
10	4	17 and revision of unit 4	پڑھے گئے ابساق کے قرآنی الفاظ، قطعے اور جملوں کا ترجمہ لکھیں	حال
	Unit 5	1-2	پڑھے گئے ابساق کے قرآنی الفاظ، قطعے اور جملوں کا ترجمہ لکھیں	جمع مذکر سالم، جمع مذکر سالم المسبوق بحرف الجر
11	5	3-4	پڑھے گئے ابساق کے قرآنی الفاظ، قطعے اور جملوں کا ترجمہ لکھیں	جمع مذکر سالم المسبوق بالاضافۃ
	5	5-6 <b>Quiz</b>	پڑھے گئے ابساق کے قرآنی الفاظ، قطعے اور جملوں کا ترجمہ لکھیں	ضمیر ہم منفصل و متصل
12	5	7-8	پڑھے گئے ابساق کے قرآنی الفاظ، قطعے اور جملوں کا ترجمہ لکھیں	اضافت اور حروف جار
	5	9-11	پڑھے گئے ابساق کے قرآنی الفاظ، قطعے اور جملوں کا ترجمہ لکھیں	ضمیر منفصل انتم اور متصل کم
13	5	12-14	پڑھے گئے ابساق کے قرآنی الفاظ، قطعے اور جملوں کا ترجمہ لکھیں	ضمیر منفصل نحن، متصل نا
	5	15-16	پڑھے گئے ابساق کے جملوں اور آیات کا ترجمہ لکھیں	حروف جار کو اضافت کے ساتھ ملانا
14	5	17-18	پڑھے گئے ابساق کے جملوں اور آیات کا ترجمہ لکھیں	اسما اشارہ ہؤلاء، اولئک
	5	19-23	پڑھے گئے ابساق کے جملوں اور آیات کا ترجمہ لکھیں	ما/الا، ان/الا، انما، لیس، ما، کان، (ال، الیس، الیوم، یومئذ، سبحان، مابینہما، قل،

				اذن ، بئس ، نعم ، کلا ، ما ادراک، حسب ، اعلم ، مصیر ، دینا(تمییز)
15	5	Revision unit 5		
	6	1-3	پڑھے گئے ابساق کے جملوں اور آیات کا ترجمہ لکھیں	فعل مضارع، جملہ فعلیہ ، فعل مضارع، صیغہ مفرد
16	6	4-5	پڑھے گئے ابساق کے جملوں اور آیات کا ترجمہ لکھیں	فعل مضارع ، صیغہ مفرد یعلم
	6	6	پڑھے گئے ابساق کے جملوں اور آیات کا ترجمہ لکھیں	فعل مضارع صیغہ جمع یعملون
		<b>Terminal</b>		

### 3<sup>rd</sup> Semester

ECO-4301		Principles of Microeconomics	Credit Hrs. 3(3-0)
Week	Lecture No.	Topic / Contents	Activity
1	1	Introduction to Economics; The Economic Problem (scarcity, choice, opportunity cost)	
	2	Economic Decision Makers: Households, Firms, Government	
	3	Circular Flow Model (Two-sector & Four-sector)	
2	4	Microeconomics vs Macroeconomics: Scope and Importance	
	5	The Market System and Price Mechanism	
	6	Review, Examples and Applications	
3	7	Demand: Meaning, Demand Function and Demand Curve	
	8	Law of Demand, Exceptions, Engel Curve	
	9	Changes in Demand vs Change in Quantity Demanded	
4	10	Factors Affecting Demand	<b>Assignment# 01</b>
	11	Shift in Demand Curve and Consumer Surplus	
	12	Applications of Demand Analysis	
5	13	Supply: Meaning, Supply Function and Supply Curve	
	14	Law of Supply and Factors Affecting Supply	
	15	Changes in Supply and Producer Surplus	
6	16	Equilibrium of Demand and Supply	<b>Quiz #1</b>
	17	Changes in Market Equilibrium	
	18	Price Controls: Price Ceiling and Price Floor	
7	19	Taxes: Impact on Market Equilibrium	
	20	Subsidies and Their Effects	
	21	Review and Numerical Problems	
8	Midterm		
9	22	Price Elasticity of Demand, Point Elasticity of Demand Income Elasticity of Demand	<b>Assignment #2</b>
	23	Arc Elasticity of Demand, Price Elasticity of Supply	
	24	Cross Elasticity of Demand and Supply	
10	25	Consumer Behavior: Utility Analysis (Cardinal Approach)	

	26	Marginal Utility and Law of Diminishing Marginal Utility	
	27	Law of Equi-Marginal Utility and Consumer Equilibrium (Cardinal)	
<b>11</b>	28	Ordinal Approach of Consumer Behavior; Indifference Curves	<b>Quiz #2</b>
	29	Features of Indifference Curves and Budget Line	
	30	Consumer Equilibrium (Ordinal) and Comparison of Approaches	
<b>12</b>	31	Production: Meaning and Factors of Production	
	32	Production Function and Short-run Production Relations	
	33	Total, Average, Marginal Product and Elasticity of Production	
<b>13</b>	34	Laws of Returns to Scale	
	35	Cost of Production: Short-run Cost Analysis	
	36	Long-run Cost Analysis	
<b>14</b>	37	Economies of Scale	
	38	Elasticity of Cost and Long-run Average Cost Curve (Graphical)	
	39	Duality Between Production and Cost of Production	
<b>15</b>	40	Market Structures: Perfect Competition, Monopoly, Monopolistic Competition, Oligopoly	
	41	Short-run Firm Equilibrium under Perfect Competition	
	42	Long-run Equilibrium and Supply Curve under Perfect Competition	
<b>16</b>	43	Monopoly: Meaning, Features and Price Determination	
	44	Short-run and Long-run Equilibrium under Monopoly	
	45	Overall Revision and Exam Preparation	
<b>17</b>	<b>Terminal Exam</b>		

<b>ECO-4302 Principles of Macroeconomics</b>		<b>Credit Hrs. 3(3-0)</b>
<b>Week</b>	<b>Topics</b>	
<b>1</b>	What is Macroeconomics? How Economists Think	
	The Economy in Aggregate	
	Complexities of the World of Business	
<b>2</b>	Scope and Importance of Macroeconomics	
	Classical Economics: Basic Ideas	
	Development of Macroeconomics after World War-II	
<b>3</b>	Business Cycles: Meaning and Phases	
	Boom and Depression	
	Economic Fluctuations and Stabilization	
<b>4</b>	Three Major Concerns of Macroeconomics	<b>Assignment# 01</b>
	Inflation: Meaning and Causes	
	GDP Growth and Unemployment	
<b>5</b>	Macroeconomic Variables: Output, Income, Prices	
	Relationship among Macroeconomic Variables	
	Macro-Models as Abstraction from Real Economy	
<b>6</b>	National Income: Definition and Concepts	<b>Quiz # 01</b>
	Circular Flow of Income	
	Importance and Limitations of National Income	
<b>7</b>	GDP and GNP: Meaning and Differences, GDP at Market Prices and Factor Cost ,GDP Deflator	
	Measurement of National Income: Product Method ,Income Method, Expenditure Method	
	Measurement of National Income: Product Method ,Income Method, Expenditure Method	
<b>8</b>	<b>Midterm Exam</b>	
<b>9</b>	Nominal vs Real Income	
	Per Capita Income and Standard of Living	<b>Assignment# 02</b>
	Limitations of National Income as Welfare Measure	
<b>10</b>	Measuring Cost of Living	
	Consumer Price Index (CPI)	
	CPI versus GDP Deflator	
<b>11</b>	Measuring Unemployment Rate	<b>Quiz # 02</b>

	Types of Unemployment	
	Relationship between Inflation and Unemployment	
<b>12</b>	Aggregate Demand: Concept	
	Open and Closed Economy Models	
	Aggregate Markets: Product, Money, Labor, Capital	
<b>13</b>	Components of Aggregate Demand	
	Consumption Function	
	Investment and Government Spending	
<b>14</b>	Income and Expenditure Identities	
	Equilibrium in the Goods Market	
	Role of Aggregate Demand in Output Determination	
<b>15</b>	Money: Meaning and Functions	
	Monetary Policy: Tools and Objectives	
	Role of Central Bank	
<b>16</b>	Fiscal Policy: Meaning and Instruments	
	Role of Fiscal Policy in Stabilization	
	Overall Revision and Exam Preparation	
<b>17</b>	<b>Terminal</b>	

<b>STA-4303</b>		<b>Statistics for Economics</b>	<b>Credit Hrs. 3(3-0)</b>
<b>Week</b>	<b>Topics</b>		
<b>1</b>	Introduction to Statistics: Descriptive and Inferential Statistics		
	Variables and Constants; Population and Sample		
	Parameters and Statistics; Four Basic Activities in Statistics		
<b>2</b>	Measurement Scales: Nominal, Ordinal, Interval, Ratio		
	Types of Data; Significant Digits and Rounding Off		
	Errors: Biased and Unbiased		
<b>3</b>	Classification of Data		
	Frequency Distribution		
	Cumulative, Relative and Percentage Frequency Distributions		
<b>4</b>	Graphic and Diagrammatic Representation of Data		<b>Assignment# 01</b>
	Measures of Central Tendency: Mean, Median, Mode		
	Applications of Averages		
<b>5</b>	Measures of Dispersion: Range and Mean Deviation		
	Variance and Standard Deviation		
	Moments, Skewness, Kurtosis Review and Numerical Practice		
<b>6</b>	Probability: Classical, Empirical and Subjective Concepts		<b>Quiz # 01</b>
	Rules of Probability and Tree Diagrams		
	Conditional Probability and Bayes' Theorem		
<b>7</b>	Counting Rules		
	Discrete Probability Distributions		
	Continuous Probability Distributions		
<b>8</b>	<b>Midterm</b>		
<b>9</b>	Sampling: Sampling with and without Replacement		<b>Assignment# 02</b>
	Sampling and Non-sampling Errors; Sampling Bias		
	Probability and Non-probability Sampling Methods		
<b>10</b>	Sampling Distribution of the Mean		
	Central Limit Theorem		
	Sampling Distribution of Differences Between Means		
<b>11</b>	Sampling Distribution of Sample Proportion		<b>Quiz # 02</b>
	Sampling Distribution of Differences Between Proportions		
	Review and Applications		
<b>12</b>	Estimation: Point Estimates and Confidence Intervals		
	Introduction to Hypothesis Testing		

	Null and Alternative Hypotheses; Type I and Type II Errors	
13	Level of Significance; Test Statistics	
	Acceptance and Rejection Regions	
	Hypothesis Testing: Population Mean and Proportion (Single Population)	
14	Hypothesis Testing for Small and Large Samples	
	Testing Differences Between Means and Proportions	
	Analysis of Variance (ANOVA) and ANOVA Table	
15	Testing of Hypothesis: Independence of Attributes	
	Contingency Tables	
	Chi-square Test for Independence	
16	Regression and Correlation: Simple and Multiple	
	Index Numbers: Unweighted and Weighted Indexes	
	CPI, PPI, GDP Deflator and Applications of Index Numbers	
17	<b>Terminal Exam</b>	

<b>MAT-4304 Applied Mathematics for Economics</b>		<b>Credit Hrs. 3(3-0)</b>
<b>Week</b>	<b>Topics</b>	
<b>1</b>	Preliminaries: Introduction to Mathematics for Economics/Business	
	Real Number Line and Sets	
	Functions: Definition, Types, and Graphs	
<b>2</b>	Solution of Equations Involving Absolute Values	
	Inequalities and Their Graphical Representation	
	Review and Problem Solving	
<b>3</b>	Limits of a Function: Concept and Meaning	
	Left-hand and Right-hand Limits	
	Continuity of a Function	
<b>4</b>	Continuous Functions and Their Properties	<b>Assignment# 01</b>
	Applications of Limits and Continuity	
	Review and Practice Problems	
<b>5</b>	Differentiable Functions	
	Derivatives: Definition and Basic Rules	
	Differentiation of Polynomial Functions	
<b>6</b>	Differentiation of Rational Functions	<b>Quiz # 01</b>
	Differentiation of Transcendental Functions	
	Higher Order Derivatives, Applications of Derivatives	
<b>7</b>	Maxima and Minima,	
	Curve Sketching and Optimization Problems	
	Curve Sketching and Optimization Problems	
<b>8</b>	<b>Midterm Exam</b>	
<b>9</b>	Introduction to Integration, Indefinite Integrals and Basic Rules	<b>Assignment# 02</b>
	Integration by Substitution, Integration by Parts	
	Change of Variables in Indefinite Integrals	
<b>10</b>	Definite Integrals: Concept and Properties	
	Applications of Definite Integrals, Area Under Curves	
	Review and Numerical Practice	
<b>11</b>	Further Techniques of Integration	<b>Quiz # 02</b>
	Applications of Integration	
	Parametric Equations	

12	Polar Coordinates	
	Sequences: Definition and Types	
	Series and Convergence	
13	Power Series	
	Power Series Representation of Functions	
	Functions of Several Variables	
14	Limits and Continuity of Multivariable Functions	
	Partial Derivatives	
	Chain Rule for Partial Derivatives	
15	Double Integrals	
	Applications of Double Integrals	
	Triple Integrals	
16	Applications of Triple Integrals	
	Comprehensive Review	
	Final Revision and Exam Preparation	
17	<b>Terminal Exam</b>	

<b>EDU-4305 Introduction to Education</b>		<b>Credit Hrs.3(3-0)</b>
<b>Week No.</b>	<b>TOPICS TO BE TAUGHT</b>	<b>Activities</b>
<b>WEEK 1</b>	<b>Unit 1 Ideological Foundation of Education</b>	
	Introduction to Education ,Concepts and Aims of Education Modes and Scope of Education	
	Islamic Foundations Islamic concept of Peace	
	Other religions and Islam, Ideology and teachers	
<b>WEEK 2</b>	<b>Philosophical Foundations of Education</b>	
	Philosophy and Education Main Philosophical Thoughts	
	Idealism, Realism,`	
	Pragmatism, Re-constructionism	
<b>WEEK 3</b>	<b>Psychological Foundations of Education</b>	
	Learning and Maturation	
	Learning and Maturation	
	Individual Differences, Self-Concept	
<b>WEEK 4</b>	<b>Psychological Foundations of Education</b>	<b>Assignment #1</b>
	Individual Differences, Self-Concept	
	Academic Aptitude Instructional Strategies and Psychology	
	Academic Aptitude Instructional Strategies and Psychology	
<b>WEEK 5</b>	<b>Socio-Economic Foundations of Education</b>	
	Concept of Society	
	Culture Social Conditions	
	Culture Social Conditions	
<b>WEEK 6</b>	Education Economic	<b>Quiz #1</b>
	Conditions and Education	
	Politics and Education	
	Politics and Education	
<b>WEEK 7</b>	<b>Historical Foundations of Education in Pakistan</b>	
	Pre-Pakistan Period (712 A.D. to onward)	
	Pre-Pakistan Period (712 A.D. to onward)	
	Pre-Pakistan Period (712 A.D. to onward)	
<b>WEEK 8</b>	<b>Midterm</b>	

<b>WEEK 9</b>	Historical Foundations of Education in Pakistan	Assignment#2
	Pre-Pakistan Period (712 A.D. to onward)	
	Pre-Pakistan Period (712 A.D. to onward)	
	Pre-Pakistan Period (712 A.D. to onward)	
<b>WEEK 10</b>	Historical Foundations of Education in Pakistan	
	Period from 1959-1971	
	Period from 1972-1979	
	Period from 1980 -1991	
<b>WEEK 11</b>	<b>Historical Foundations of Education in Pakistan</b>	Quiz #2
	Period from 1992 – to date	
	Period from 1992 – to date	
	Period from 1992 – to date	
<b>WEEK 12</b>	Aims of Education	
	Aims, Goals and Objectives	
	Taxonomies of Objectives	
	Aims and Objectives of Education in Pakistan	
<b>WEEK 13</b>	Problems and Issues in Education in Pakistan	
	Universalization of Primary Education	
	Literacy	
	Medium of Instruction	
<b>WEEK 14</b>	<b>Problems and Issues in Education in Pakistan</b>	
	Diversification of Education	
	Environmental Education	
	Gender and Education	
<b>WEEK 15</b>	<b>Problems and Issues in Education in Pakistan</b>	
	Islamization of Education	
	Special Education	
	Health Education / Drug Education	
	HIV/Aids, STIs, Hepatitis	

<b>WEEK 16</b>		
<b>WEEK 17</b>	<b>Exam Period</b>	

<b>MKT-4306</b>		<b>Introduction to Marketing</b>	<b>Credit Hrs. 3(3-0)</b>
	<b>Lecture No.</b>	<b>Topic</b>	
Week 01	Lecture 01	Introduction to marketing	
	Lecture 02	Marketing and the Society	
	Lecture 03	Importance and scope of marketing	
Week 02	Lecture 04	Nature and concept of marketing	
	Lecture 05	The Marketing environment	
	Lecture 06	Macro environment	
Week 03	Lecture 07	Microenvironment	
	Lecture 08	Environmental scanning and monitoring	
	Lecture 09	Marketing & Strategy	
Week 04	Lecture 10	Strategic planning	Assignment #1
	Lecture 11	Strategic marketing planning	
	Lecture 12	Forecasting marketing demand	
Week 05	Lecture 13	Marketing Decisions <ul style="list-style-type: none"> <li>• Information required for marketing decision</li> </ul>	
	Lecture 14	Reasons for obtaining information	
	Lecture 15	Marketing research	
Week 06	Lecture 16	Consumer behaviour <ul style="list-style-type: none"> <li>• Information for purchase decisions</li> </ul>	Quiz #1
	Lecture 17	Consumer decision process	
	Lecture 18	Influence of social and psychological factors	
Week 07	Lecture 19	Market segmentation and targeting	
	Lecture 20	Factors for Segmentation	

	Lecture 21	Developing the positioning and target market strategies	
Week 08	Midterm		
Week 09	Lecture 25	Products and services	
	Lecture 26	Classification of consumer goods	
	Lecture 27	Classification of business goods	
Week 10	Lecture 28	Product development and life cycle	
	Lecture 29	Product development process and commercialization	
	Lecture 30	Product life cycle stages and its implications	
Week 11	Lecture 31	Pricing Overview of pricing Importance of pricing	
	Lecture 32	Break even analysis	
	Lecture 33	Factor effecting pricing decisions	
Week 12	Lecture 34	Setting the price and relating strategies	
	Lecture 35	Pricing objectives <ul style="list-style-type: none"> <li>• Sale based objectives</li> <li>• Profit based objectives</li> </ul>	
	Lecture 36	\ Status quo Pricing	
Week 13	Lecture 37	Pricing techniques and their applications	
	Lecture 38	Cost based pricing	
	Lecture 39	Cost plus pricing <ul style="list-style-type: none"> <li>• Target pricing</li> </ul>	
Week 14	Lecture 40	Importance of distribution channels	
	Lecture 41	Selecting a channel of distribution	
	Lecture 42	Retail functions in distribution	
Week 15	Lecture 43	Promotion	

	Lecture 44	Advertisement and publicity	
	Lecture 45	Introduction to e-business	
Week 16	Lecture 46	Project & Presentation	
	Lecture 47	Project & Presentation	
	Lecture 48	Project & Presentation	
<b>Week 17</b>	Terminal Exam		

<b>PSY 4307</b>		<b>Introduction to Psychology</b>		<b>Credit Hrs. 3(3-0)</b>	
	<b>Lecture No.</b>	<b>Topic</b>			
Week 01	Lecture 01	Introduction to Psychology			
	Lecture 02	Nature and Application of Psychology with special reference to Pakistan			
	Lecture 03	Historical Background and Schools of Psychology (A Brief Survey)			
Week 02	Lecture 04	Methods of Psychology <ul style="list-style-type: none"> <li>• Observation</li> <li>• Case History Method</li> </ul>			
	Lecture 05	<ul style="list-style-type: none"> <li>• Experimental Method</li> <li>• Survey Method</li> </ul>			
	Lecture 06	<ul style="list-style-type: none"> <li>• Interviewing Techniques</li> </ul>			
Week 03	Lecture 07	Biological Basis of Behavior <ul style="list-style-type: none"> <li>• Neuron: Structure and Functions</li> </ul>			
	Lecture 08	<ul style="list-style-type: none"> <li>• Central Nervous System and Peripheral Nervous System</li> </ul>			
	Lecture 09	<ul style="list-style-type: none"> <li>• Endocrine Glands</li> </ul>			
Week 04	Lecture 10	Sensation, Perception and Attention <p>a. Sensation</p> <ul style="list-style-type: none"> <li>• Characteristics and Major Functions of Different Sensations</li> </ul>	Assignment #1		
	Lecture 11	<ul style="list-style-type: none"> <li>• Vision: Structure and functions of the Eye.</li> </ul>			
	Lecture 12	<ul style="list-style-type: none"> <li>• Audition: Structure and functions of the Ear.</li> </ul>			
Week 05	Lecture 13	Perception <ul style="list-style-type: none"> <li>• Nature of Perception</li> <li>• Factors of Perception: Subjective, Objective and Social</li> <li>•</li> </ul>			
	Lecture 14	<ul style="list-style-type: none"> <li>• Kinds of Perception:</li> </ul>			

		<ul style="list-style-type: none"> <li>• Spatial Perception (Perception of Depth and Distance)</li> <li>• Temporal Perception;</li> <li>• Auditory Perception.</li> </ul>	
	Lecture 15	<p>Attention</p> <ul style="list-style-type: none"> <li>• Factors, Subjective and Objective</li> <li>• Span of Attention</li> </ul>	
Week 06	Lecture 16	<ul style="list-style-type: none"> <li>• Fluctuation of Attention</li> <li>• Distraction of Attention (Causes and Control)</li> </ul>	Quiz #1
	Lecture 17	Motives: a. Definition and Nature	
	Lecture 18	<p>Classification</p> <ul style="list-style-type: none"> <li>• Primary(Biogenic) Motives</li> </ul> <p>Hunger, Thirst, Defecation and Urination, Fatigue, Sleep, Pain, Temperature, Regulation, Maternal Behavior, Sex</p>	
Week 07	Lecture 19	<ul style="list-style-type: none"> <li>• Secondary (Sociogenic) Motive</li> </ul> <p>Play and Manipulation, Exploration and Curiosity, Affiliation, Achievement and Power, Competition, Cooperation, Social Approval and Self Actualization.</p>	
	Lecture 20	<p>Emotions</p> <ul style="list-style-type: none"> <li>• Definition and Nature</li> </ul>	
	Lecture 21	<ul style="list-style-type: none"> <li>• Physiological changes during Emotions (Neural, Cardial, Visceral, Glandular), Galvanic Skin Response; Pupilliometrics</li> </ul>	
Week 08	Midterm		
Week 09	Lecture 25	<ul style="list-style-type: none"> <li>• Theories of Emotion</li> </ul> <p>James Lange Theory;</p>	Assignment #1
	Lecture 26	Cannon-Bard Theory	

	Lecture 27	Schechter –Singer Theory	
Week 10	Lecture 28	Schechter –Singer Theory	
	Lecture 29	Learning Definition of Learning	
	Lecture 30	Types of Learning: Classical and Operant Conditioning	
Week 11	Lecture 31	Types of Learning: Classical and Operant Conditioning	Quiz #2
	Lecture 32	Methods of Learning: Trial and Error; Learning by Insight; Observational Learning	
	Lecture 33	Methods of Learning: Trial and Error; Learning by Insight; Observational Learning	
Week 12	Lecture 34	Methods of Learning: Trial and Error; Learning by Insight; Observational Learning	
	Lecture 35	Memory <ul style="list-style-type: none"> <li>• Definition and Nature</li> </ul>	
	Lecture 36	Thinking <ul style="list-style-type: none"> <li>• Definition and Nature</li> </ul>	
Week 13	Lecture 37	Memory Processes: Retention, Recall and Recognition	
	Lecture 38	Forgetting: Nature and Causes	
	Lecture 39	Thinking <ul style="list-style-type: none"> <li>• Definition and Nature</li> </ul>	
Week 14	Lecture 40	Tools of Thinking: Imagery; Language; Concepts	
	Lecture 41	Tools of Thinking: Imagery; Language; Concepts	
	Lecture 42	Kinds of Thinking	
Week 15	Lecture 43	Problem Solving; Decision Making; Reasoning	

	Lecture 44	Individual differences	
	Lecture 45	Individual differences	
Week 16	Lecture 46		
	Lecture 47		
	Lecture 48		
<b>Week 17</b>	Terminal Exam		

ANT 4308		Introduction to Anthropology	Credit Hrs. 3(3-0)
	Lecture No.	Topic	
Week 01	Lecture 01	<b>1.Introduction</b> Definition of Anthropology Fields of anthropology	
	Lecture 02	Definition of Anthropology Fields of anthropology	
	Lecture 03	Definition of Anthropology Fields of anthropology	
Week 02	Lecture 04	Anthropological research methods	
	Lecture 05	Anthropological research methods	
	Lecture 06	Anthropology and other social sciences	
Week 03	Lecture 07	Significance of anthropology	
	Lecture 08	<b>2. Culture</b> Definition, properties and taxonomy	
	Lecture 09	Evolution and growth of culture	
Week 04	Lecture 10	Evolution of man: religious and modern perspectives	Assignment #1
	Lecture 11	Evolution of culture	
	Lecture 12	<b>3.Language and culture</b> Communication Structural linguistics	
Week 05	Lecture 13	Historical linguistics	
	Lecture 14	Sociolinguistics	
	Lecture 15	Relationship between language and culture	
Week 06	Lecture 16	Sapir Whorf Hypothesis	Quiz #1
	Lecture 17	<b>4. Economic system</b> Economic anthropology	

		Adaptive Strategies <ul style="list-style-type: none"> <li>• Foraging</li> <li>• Pastoralists</li> </ul>	
	Lecture 18	<ul style="list-style-type: none"> <li>• Horticulture</li> <li>• Agriculture</li> <li>• Industrial</li> </ul>	
Week 07	Lecture 19	Distribution and Exchange <ul style="list-style-type: none"> <li>• Market exchange</li> <li>• Redistribution</li> </ul>	
	Lecture 20	<ul style="list-style-type: none"> <li>• Reciprocity (types)</li> <li>• Barter</li> </ul>	
	Lecture 21	Kula Ring Pot latching	
Week 08	Midterm		
Week 09	Lecture 25	<b>Marriage and family</b> Marriage its types and functions	Assignment #1
	Lecture 26	Forms and functions of family	
	Lecture 27	Residence patterns Kinship and descent	
Week 10	Lecture 28	Descent groups; Rules and types of descent	
	Lecture 29	<b>Political organization</b> a. Types of political organization	
	Lecture 30	b. Centralized and Un centralized political systems	
Week 11	Lecture 31	c. Membership, settlement patterns, decision making in Band Tribes and Chiefdom	Quiz #2
	Lecture 32	d. Leadership/Resolution of conflict in Band Tribes and Chiefdom	
	Lecture 33	<b>Religion and magic</b> a. Definition, Basic Concepts	
Week 12	Lecture 34	b. Animism and Animatism	
	Lecture 35	c. Religious practitioners (Shamans)	
	Lecture 36	d. Rituals and its examples	
Week 13	Lecture 37	e. Rites of Passage	

	Lecture 38	f. Witchcraft, Magic and sorcery	
	Lecture 39	g. Functions of religion	
Week 14	Lecture 40	<b>Culture change</b> a. Mechanism of cultural change	
	Lecture 41	b. Repressive change <ul style="list-style-type: none"> <li>• Acculturation and Ethnocide</li> <li>• Genocide</li> </ul>	
	Lecture 42	c. Cultural change in the modern world	
Week 15	Lecture 43	d. Problems of cultural change in Pakistani society	
	Lecture 44	<b>The arts</b> a. Visual Arts b. Verbal Art <ul style="list-style-type: none"> <li>• Myth</li> <li>• Legend</li> <li>• Tale</li> </ul>	
	Lecture 45	<b>The arts</b> a. Visual Arts b. Verbal Art <ul style="list-style-type: none"> <li>• Myth</li> <li>• Legend</li> <li>• Tale</li> </ul>	
Week 16	Lecture 46		
	Lecture 47		
	Lecture 48		
<b>Week 17</b>	Terminal Exam		

<b>INR 4309</b>	<b>International Relation</b>	<b>Credit Hrs. 3(3-0)</b>
	<b>Topic</b>	
Week 01	Meaning, Definition, Nature, and Scope of International Relations	
Week 02	Evolution and Development of International Relations	
Week 03	Significance of International Relations	
Week 04	Concept of Nation State	Assignment #1
Week 05	International System and Sub-Systems	
Week 06	National Interest, Foreign Policy and Diplomacy	Quiz #1
Week 07	Power and Balance of Power	
Week 08	Midterm	
Week 09	Regionalism and Globalization	Assignment #2
Week 10	State and Non-state Actors	
Week 11	Human Rights in International Relations	Quiz #2
Week 12	Religion, Ethics, Morality and Justice in International Relations	
Week 13	The Role of Economics in International Relations	
Week 14	The Concept of War and Peace in International Relations	
Week 15	Latest/emerging concepts and trends	
Week 16		
<b>Week 17</b>	Terminal Exam	

<b>POL 4310</b>	<b>Political Science</b>	<b>Credit Hrs. 3(3-0)</b>
	<b>Topic</b>	
Week 01	<b>Introduction to Political Science</b> Scope of Political science, Importance and utility, Methods of study, Approaches to study of Political Science	
Week 02	<b>Subject Matter of Political Science</b> Relations with other Sciences, Modern Trends and Schools of Thoughts Systematic Approach, Behavioral Approach	
Week 03	<b>State</b> Definition, Essential Elements, State & Government, Islamic Concepts of State, State and Society,	
Week 04	State and Associations, Ends and Functions of the State, Divergent Views, Idealism, Utilitarianism, Individualism,	Assignment #1
Week 05	Welfare Concept of State, Real Purpose, Essential Functions, Secondary Functions, Islamic Concept of Welfare State	
Week 06	<b>Sovereignty</b> Definition, Characteristics and kinds of Sovereignty, Attributes,	Quiz #1
Week 07	Austin's Concept, Critical View, Islamic Concept, Attributes, Implications	
Week 08	Midterm	
Week 09	<b>Law</b> Definition, Kinds, Characteristics, Source of Law, Types of Law, Islamic concept of Law, Source of Islamic Law	Assignment #2
Week 10	<b>Forms of Government</b> Classification, Dictatorship, Aristocracy, Monarchy, Democracy, Parliamentary form of Government,	
Week 11	Presidential form of Government, Unitary and Federal form of government, Characteristics and features, Merits and Demerits	Quiz #2
Week 12	<b>Liberty</b> Definitions, Kinds of Liberty, Nature of Rights, Kinds of Rights, Rights and Obligations, Safeguards of Liberty,	
Week 13	Law and Liberty, Liberty and Equality, Basic Human Rights in Islam, Rights of Non-Muslims in an Islamic State	
Week 14	<b>Organs of Government</b> Legislature, Executive, Judiciary	

Week 15	<b>The political Process</b> Elections and Electorate, Advantages and disadvantages, Political parties, Public opinion, interest groups	
Week 16		
<b>Week 17</b>	Terminal Exam	



### 5<sup>th</sup> Semester

ECO-5101	Advanced Microeconomics	Credit Hrs. 3(3-0)
<b>Week 1</b>	Lecture 1	<b>Introduction</b> The Economic Problem, Basic economic agents,
	Lecture 2	Microeconomics and Macroeconomics,
	Lecture 3	Types of Microeconomic Analysis, framework of Microeconomics
<b>Week 2</b>	Lecture 4	<b>Consumer Behaviour</b> Consumer preferences, Consumption bundle, Axioms of consumer preferences
	Lecture 5	Budget Constraint Consumer choices
	Lecture 6	Utility maximization subject to budget constraint
<b>Week 3</b>	Lecture 7	Marshallian demand function (Concept, Derivation and Properties)
	Lecture 8	Indirect utility function (Concept, Derivation and Properties)
	Lecture 9	Budget minimization subject to utility constraint
<b>Week 4</b>	Lecture 10	Hicksian demand function (Concept, Derivation and Properties)
	Lecture 11	Expenditure Function (Concept, Derivation and Properties)
	Lecture 12	Duality between Hicksian and Marshallian demand functions,
<b>Week 5</b>	Lecture 13	Duality between utility function and indirect utility function
	Lecture 14	Choice under uncertainty (elementary treatment)

**Assignment#  
01**

	Lecture 15	Consumption over Time (elementary treatment)	
<b>Week 6</b>	Lecture 16	<b>Production Analysis</b> Constraints Technical Constraints: Production, production process,	<b>Quiz # 01</b>
	Lecture 17	Types of inputs, concept of net output, production plan, Production set	
	Lecture 18	Few Concepts in describing technology; Iso-quants,	
<b>Week 7</b>	Lecture 19	Technical rate of substitutions, Elasticity of substitution,	
	Lecture 20	Returns to scale, Elasticity of scale	
	Lecture 21	Homogeneous and homothetic technologies,	
<b>Week 8</b>	<b>Midterm</b>		
<b>Week 09</b>	Lecture 22	Euler's theorem,	<b>Assignment# 02</b>
	Lecture 23	Technologies with distinct outputs and inputs,	
	Lecture 24	<b>Production function and Classification of production functions;</b>	
<b>Week 10</b>	Lecture 25	Fixed coefficients production unction,	
	Lecture 26	Financial Constraints: Budget Constraint, Cost of Production,	
	Lecture 27	Leoetief technology, Linear production function,	
<b>Week 11</b>	Lecture 28	Cob-Douglas production function, Constant elasticity of substitution production function	<b>Quiz # 02</b>
	Lecture 29	Transcendental logarithmic production function.	
	Lecture 30	Economic Cost, Private Cost, External Cost,	

<b>Week 12</b>	Lecture 31	Implicit Cost, Explicit Cost,	
	Lecture 32	Cost equation and Cost Function.	
	Lecture 33	Market Constraints: Price Constraints: price takers, price regulations,	
<b>Week 13</b>	Lecture 34	sticky prices, minimum prices etc, Quantity Constraints:	
	Lecture 35	Quota, Negatively sloped demand curve	
	Lecture 36	kinked demand curve	
<b>Week 14</b>	Lecture 37	Optimization Profit maximization: Profit equation, Input demand function (concept, derivation and properties),	
	Lecture 38	Output supply function (concept, derivation and properties),	
	Lecture 39	Profit function (concept, derivation and properties).	
<b>Week 15</b>	Lecture 40	Cost minimization: The cost minimization problem,	
	Lecture 41	Conditional input demand function (concept, derivation and properties),	
	Lecture 42	Cost function (concept, derivation and properties)	
<b>Week 16</b>	Lecture 43	Revenue maximization:	
	Lecture 44	The revenue maximization problem	
	Lecture 45	Revenue function concept, derivation and properties)	
<b>Week 17</b>	Terminal Exam		

ECO-5102		Econometrics-I	Credit Hrs. 3(3-0)
Week	Lectures.		Activity
<b>Week 1</b>	Lecture 1	<b>Introduction:</b> Definition and scope of Econometrics,.	
	Lecture 2	Economic theory as the basis for empirical analysis, Mathematical and Econometric models, Application of Statistical techniques to Economic data,	
	Lecture 3	Ingredients of Econometric modeling: Specification, Estimation, Evaluation and Forecasting.	
<b>Week 2</b>	Lecture 4	Data Types and Sources, Cross-sectional data, time-series data and pool data,	
	Lecture 5	Data at current and constant prices, Sources of data	
	Lecture 6	<b>The Classical Linear Regression Model (CLRM)</b> <b>The Simple Two-Variable Model</b> Simple Regression function, population and regression function, linear regression function: linearity in variables and linearity in parameters, Simple Regression Analysis: Estimation,	
<b>Week 3</b>	Lecture 7	Method of Ordinary Least Squares (OLS), Estimation of regression equation using OLS,	
	Lecture 8	Standard error of estimates, Numerical properties of OLS estimators,	
	Lecture 9	Statistical properties of OLS estimators (BLUE),	
<b>Week 4</b>	Lecture 10	Classical Linear Regression Model (CLRM), Assumptions of CLRM,	<b>Assignment# 01</b>
	Lecture	Estimation of the coefficient of	

	11	determination, Interval estimation of regression coefficients,	
	Lecture 12	Classical Normal Linear Regression Model (CNLRM),	
<b>Week 5</b>	Lecture 13	Difference between CLRM and CNLRM,	
	Lecture 14	Properties of OLS estimates under CNLRM,	
	Lecture 15	Simple Linear Regression Analysis: Inference,	
<b>Week 6</b>	Lecture 16	Confidence interval approach for regression coefficients,	<b>Quiz # 01</b>
	Lecture 17	Test of significance approach for regression coefficients,	
	Lecture 18	Analysis of variance (ANOVA),	
<b>Week 7</b>	Lecture 19	Test of the overall significance of the model,	
	Lecture 20	Simple Linear Regression Analysis: Extensions,	
	Lecture 21	Regression through the origin, Scaling and measurement of variables,	
<b>Week 8</b>	<b>Midterm</b>		
<b>Week 09</b>	Lecture 22	Regression on standardized variables	<b>Assignment# 02</b>
	Lecture 23	Functional Forms of Regression Function, Log linear models, Cobb Douglas production function Log-Lin models,	
	Lecture 24	The constant growth model, Estimating the growth rate, Lin-Log models, Engel curve, Reciprocal models	

<b>Week 10</b>	Lecture 25	<b>The Multiple Linear Regression Model (MLRM)</b> Multiple Regression Analysis, Difference between simple and multiple regression analysis,	
	Lecture 26	Interpretation of multiple regression function, Multiple Regression Analysis: Estimation, OLS estimation of multiple regression equation,	
	Lecture 27	Standard error of partial regression coefficients, Properties of OLS estimators,	
<b>Week 11</b>	Lecture 28	Coefficient of determination ( $R^2$ ), $R^2$ and Adjusted $R^2$ , Multiple Regression Analysis:	<b>Quiz # 02</b>
	Lecture 29	Inference, Test of individual significance (t-test), Test of overall significance (F-test) Multiple	
	Lecture 30	Regression Function: Extensions, Testing the equality of parameters, testing linear equality restriction, Testing for structural stability of regression models: The Chow test	
<b>Week 12</b>	Lecture 31	<b>Deviation from the Classical Assumptions:</b> Assumptions of the classical model and economic reality,	
	Lecture 32	Relaxation of the assumptions and estimation issues,	
	Lecture 33	Brief introduction to the nature of problems and alternatives	
<b>Week 13</b>	Lecture 34	<b>Multicollinearity:</b> Linear relationship between any two explanatory variables, Nature and severity of the problem	
	Lecture 35	OLS estimation of regression equation in the presence of perfect multicollinearity,	
	Lecture 36	Causes of multicollinearity, Distinction between perfect and partial Multicollinearity	

<b>Week 14</b>	Lecture 37	Detection of the problem and remedial measures.	
	Lecture 38	<b>Heteroskedasticity:</b> Meaning of Heteroskedasticity, The nature of the problem with reference to economic theory,	
	Lecture 39	Cross-section data and the problem of non-constant variances,	
<b>Week 15</b>	Lecture 40	Consequences for OLS estimators,	
	Lecture 41	Detection of the problem and remedial measures in brief,.	
	Lecture 42	Introduction to the Generalized Least-Squares model (GLS)	
<b>Week 16</b>	Lecture 43	<b>Autocorrelation:</b> Autocorrelation and its causes, Time-series data and emergence of the problem with reference to economic theory,	
	Lecture 44	Serial Correlation, The AR(1) process, Consequences of Autocorrelation for OLS estimators,	
	Lecture 45	Detection of the problem and remedial measures	
<b>Week 17</b>	Terminal Exam		

<b>ECO- 5103</b>		<b>Mathematical Economics-I</b>	<b>Credit Hrs. 3(3-0)</b>
<b>1</b>	1	Nature of Mathematical Economics: Pure vs Applied Mathematics	
	2	Use of Mathematics in Social Sciences and Economics	
	3	Economic Theory as Logical Relationship Between Variables	
<b>2</b>	4	Mathematical Expression of Economic Theory (Functional Form)	
	5	Economic Parameters: Elasticity, Propensity to Consume	
	6	Verification of Hypotheses and Mathematical Models	
<b>3</b>	7	Parameters and Variables: Dependent & Independent	
	8	Linear and Non-linear Functions	
	9	Quadratic, Polynomial and Circular Functions	
<b>4</b>	10	Types of Functions: Constant, Rational, Non-algebraic	<b>Assignment# 01</b>
	11	Logarithmic and Exponential Functions	
	12	Rules of Logarithms and Exponents	
<b>5</b>	13	Functions of More than Two Independent Variables	
	14	Graphs of Various Economic Functions	
	15	Importance and Limitations of Mathematical Models	
<b>6</b>	16	Equilibrium Analysis: Equation of a Straight Line	<b>Quiz # 01</b>
	17	Intercept and Slope: Economic Interpretation	
	18	Partial and General Equilibrium Analysis	
<b>7</b>	19	Single Equation Models	
	20	Simultaneous Equation Models	
	21	Market Models: Demand and Supply Equations	
<b>8</b>	<b>Midterm Exam</b>		
<b>9</b>	22	Determination of Equilibrium Price and Quantity	
	23	Elasticities at Equilibrium	
	24	Review of Equilibrium Analysis	
<b>10</b>	25	Linear Models and Introduction to Matrix Algebra	<b>Assignment# 02</b>
	26	Types of Matrices and Their Properties	
	27	Laws of Matrix Operations	
<b>11</b>	28	Determinant and Its Properties	<b>Quiz # 02</b>
	29	Minors, Cofactors and Adjoint	
	30	Inverse of a Matrix and Its Properties	
<b>12</b>	31	Solution of Linear Equations: Gaussian Method	
	32	Cramer's Rule	
	33	Inverse Matrix Method	
<b>13</b>	34	Economic Applications: Market Models	

	35	National Income Models	
	36	Introduction to Differentiation	
<b>14</b>	37	Rules of Differentiation	
	38	Logarithmic and Exponential Differentiation	
	39	Higher Order Derivatives	
<b>15</b>	40	Maxima and Minima	
	41	First and Second Derivative Tests	
	42	Free and Constrained Optimization	
<b>16</b>	43	Economic Applications of Differential Calculus	
	44	Profit Maximization and Cost Minimization	
	45	Lagrange Function and Price Discrimination	
<b>17</b>	46	Optimization Using Cobb-Douglas, CES and Translog Functions	
	47	Linear Programming: Graphical and Simplex Method	
	48	Duality, Primal–Dual Relationship and Economic Interpretation	
			<b>Terminal Exam</b>

<b>ECO-5104</b>		<b>Monetary Economics</b>	<b>Credit Hrs. 3(3-0)</b>
<b>1</b>	1	Introduction to Monetary Mechanism	
	2	Evolution of Money and Payment System	
	3	Definition, Functions and Measurement of Money	
<b>2</b>	4	Demand for Money and Supply of Money	
	5	Classification of Money: M1, M2, M3 etc.	
	6	Overview of Evolution of Monetary Thought	
<b>3</b>	7	Quantity Theory of Money (Classical View)	
	8	Keynesian Tradition of Monetary Theory	
	9	Monetarism, Modern Quantity Theory and Rational Expectations	
<b>4</b>	10	Role of Money in the Economy	<b>Assignment# 01</b>
	11	Neutrality vs Non-Neutrality of Money	
	12	Classical Dichotomy and Keynesian Integration	
<b>5</b>	13	Role of Money in IS–LM Framework	
	14	Money in Aggregate Demand and Aggregate Supply	
	15	Keynesian vs Monetarist Views on Output, Employment and Prices	
<b>6</b>	16	Theory of Demand for Money: Overview	<b>Quiz # 01</b>
	17	Quantity Theory of Money as Demand for Money	
	18	Transaction Theories of Demand for Money	
<b>7</b>	19	Portfolio Theories of Demand for Money	
	20	Baumol–Tobin Model of Cash Management	
	21	Friedman’s Restatement of Quantity Theory of Money	
<b>8</b>	<b>Midterm Exam</b>		
<b>9</b>	22	Empirical Evidence on Demand for Money	<b>Assignment# 02</b>
	23	Money Supply Process: Monetary Base	
	24	Keynesian Liquidity Preference Framework	
<b>10</b>	25	Friedman’s Modern Quantity Theory of Money	
	26	Multiple Deposit Creation and Money Multiplier	
	27	Exogenous and Endogenous Money Supply	
	28	Movements in Monetary Base	<b>Quiz # 02</b>
	29	Velocity of Money and its Variability	
	30	Complete Money Supply Model: Depositor and Bank Behavior	
<b>11</b>	31	Central Bank: Structure and Functions	

	32	Independence of Central Bank and Economic Growth	
	33	Tools of Central Bank for Money Control	
12	34	Goals and Targets of Monetary Policy	
	35	Comparative Analysis of Monetary Policy Tools	
	36	Impact Analysis of Monetary Policy Tools	
13	37	Financial Intermediaries	
	38	Monetization of Public Debt	
	39	Ineffectiveness of Stabilization Policies	
14	40	Targeting Interest Rate and Inflation	
	41	Money and Interest Rates: Determinants and Kinds	
	42	Nominal vs Real Interest Rates	
15	43	Theories of Interest Rate Determination	
	44	Risk and Term Structure of Interest Rates	
	45	Portfolio Choice and Asset Demand Theory	
16	46	Money and Inflation: Types, Causes and Phillips Curve	
	47	Inflation in Pakistan: Causes and Policy Measures	
	48	Monetary Policy in International Framework & Final Review	
			<b>Terminal Exam</b>

ECO-5105		Development Economics	Credit Hrs. 3(3-0)
Week	Lecture .		Activity
<b>Week 1</b>	Lecture 1	<b>An Overview of Development:</b> Historical experiences of developing countries	
	Lecture 2	Broad conceptual explanation of underdevelopment Economic Growth versus economic development	
	Lecture 3	Comparative economic development Emerging major issues of developing world	
<b>Week 2</b>	Lecture 4	Basic theories of growth and development,	
	Lecture 5	Contemporary models of underdevelopment/development	
	Lecture 6	<b>Domestic Problems and Policies:</b> The nexus of poverty, inequality and underdevelopment The distribution of wealth and resources Poverty and nutrition	
<b>Week 3</b>	Lecture 7	Demographic transition, population growth; its causes and consequences	
	Lecture 8	Urbanization/rural-urban migrations; its causes and consequences Human capital; education, health and development	
	Lecture 9	Human Development Index Agriculture and rural development	
<b>Week 4</b>	Lecture 10	Land distribution Environment and natural resources	<b>Assignment# 01</b>
	Lecture 11	Feudalism and Asiatic Mode of Production Colonial Path and Asiatic Capitalism in South Asia	
	Lecture 12	Agrarian class relations in Pakistan Industrial relations in Pakistan	
<b>Week 5</b>	Lecture 13	<b>International Problems and Policies:</b> Trade/access to factor and product markets and development	
	Lecture 14	Balance of payment problems	

	Lecture 15	Debt, stabilization policies	
<b>Week 6</b>	Lecture 16	International shocks, foreign finance Foreign assistance and aids	<b>Quiz # 01</b>
	Lecture 17	International wars, conflicts and refugees Migration and remittances	
	Lecture 18	Conti.....	
<b>Week 7</b>	Lecture 19	<b>Markets and Development:</b> The role of markets in development,	
	Lecture 20	Credit, financing, SME's, industrial and trade policies, land, labor and agriculture and livestock	
	Lecture 21	Market failure and government intervention	
<b>Week 8</b>	<b>Midterm Exam</b>		
<b>Week 09</b>	Lecture 22	Property rights and investment incentives	<b>Assignment# 02</b>
	Lecture 23	Technology adoption and learning Stabilization policies	
	Lecture 24	<b>Institutions and Development:</b> What are the institutions?	
<b>Week 10</b>	Lecture 25	Political institutions Versus economic institutions	
	Lecture 26	The Role of Institutions in Development	
	Lecture 27	The political economy and corruption	
<b>Week 11</b>	Lecture 28	Democracy Versus dictatorship Decentralization and federalism	<b>Quiz # 02</b>
	Lecture 29	Various tiers of government	
	Lecture 30	Good governance, corruption	
<b>Week 12</b>	Lecture 31	Rent seeking Ethnic conflict	
	Lecture 32	Conti.....	
	Lecture 33	Gender inequality	

<b>Week 13</b>	Lecture 34	Voting and lobbying	
	Lecture 35	The role of civil society	
	Lecture 36	The role of state for economic development	
<b>Week 14</b>	Lecture 37	The Informal institutions and development	
	Lecture 38	Social network and social capital	
	Lecture 39	Various tiers of government	
<b>Week 15</b>	Lecture 40	<b>Alternative Theories of Economic Development</b>	
	Lecture 41	Culture Hypothesis	
	Lecture 42	Conti.....	
<b>Week 16</b>	Lecture 43	Geography Hypothesis	
	Lecture 44	Institutions Hypothesis	
	Lecture 45	Conti.....	
<b>Week 17</b>	Terminal Exam		

7<sup>th</sup> Semester

ECO-411 INTERNATIONAL TRADE POLICY CREDIT HOURS: 3(3-0)			
Week	Lecture .	Topic	Activity
<b>Week 1</b>	Lecture 1	<ul style="list-style-type: none"> <li>Free Trade versus protected Trade</li> <li>Free trade; meaning: The case for free trade</li> </ul>	
	Lecture 2	<ul style="list-style-type: none"> <li>The case against free trade</li> </ul>	
	Lecture 3	<ul style="list-style-type: none"> <li>Protection; meaning:</li> <li>arguments for protection:</li> <li>Economic arguments for protection</li> </ul>	
<b>Week 2</b>	Lecture 4	<ul style="list-style-type: none"> <li>Non-economic arguments for protection</li> </ul>	
	Lecture 5	<ul style="list-style-type: none"> <li>Meaning and types of tariff.</li> </ul>	
	Lecture 6	<ul style="list-style-type: none"> <li>Effects of tariff under partial equilibrium</li> </ul>	
<b>Week 3</b>	Lecture 7	<ul style="list-style-type: none"> <li>Effects of tariff under general equilibrium</li> </ul>	
	Lecture 8	<ul style="list-style-type: none"> <li>Optimum tariff and welfare Effects of a tariff on income distribution</li> </ul>	
	Lecture 9	<ul style="list-style-type: none"> <li>Effects of tariffs in a large country</li> </ul>	
<b>Week 4</b>	Lecture 10	<ul style="list-style-type: none"> <li>Effects of tariffs in a small country</li> </ul>	<b>Assignment# 01</b>
	Lecture 11	<ul style="list-style-type: none"> <li>Optimum tariff and welfare effects of a tariff on income distribution: The Stolper Samuelson Theorem</li> </ul>	
	Lecture 12	<ul style="list-style-type: none"> <li>Meaning and objectives of import Quotas</li> <li>Effects of import quotas: partial equilibrium analysis</li> </ul>	
<b>Week 5</b>	Lecture 13	<ul style="list-style-type: none"> <li>The equivalence of tariff and quotas Import quota vs. tariff</li> </ul>	

	Lecture 14	<ul style="list-style-type: none"> <li>• Meaning; objectives of exchange control</li> <li>• Direct methods; indirect methods,</li> </ul>	
	Lecture 15	<ul style="list-style-type: none"> <li>• Merits and demerits of exchange control</li> <li>•</li> </ul>	
<b>Week 6</b>	Lecture 16	<ul style="list-style-type: none"> <li>• International economic integration</li> <li>• Types of integration</li> </ul>	<b>Quiz # 01</b>
	Lecture 17	Merits of Economic integration, demerits of Economic integration	
	Lecture 18	<ul style="list-style-type: none"> <li>• Custom Union</li> <li>• Theories of custom union,</li> </ul>	
<b>Week 7</b>	Lecture 19	<ul style="list-style-type: none"> <li>• The Theory of the Second Best</li> </ul>	
	Lecture 20	<ul style="list-style-type: none"> <li>• Other Static Welfare Effects of Customs Unions</li> </ul>	
	Lecture 21	<ul style="list-style-type: none"> <li>• The partial equilibrium approach,</li> </ul>	
<b>Week 8</b>	<b>Midterm</b>		
<b>Week 09</b>	Lecture 22	<ul style="list-style-type: none"> <li>• The general equilibrium approach,</li> </ul>	<b>Assignment# 02</b>
	Lecture 23	<ul style="list-style-type: none"> <li>• Dynamic effects of custom union</li> </ul>	
	Lecture 24	<ul style="list-style-type: none"> <li>• Balance of Payments:Introduction to balance of payment and balance of trade;</li> </ul>	
<b>Week 10</b>	Lecture 25	<ul style="list-style-type: none"> <li>• meanings and differences between (B.O.P&amp;B.O.T)</li> </ul>	
	Lecture 26	. accounts balance of payments	
	Lecture 27	theories of balance of payments	
<b>Week 11</b>	Lecture 28	Introduction to World Bank	<b>Quiz # 02</b>
	Lecture 29	<ul style="list-style-type: none"> <li>• arguments for and against Measures to overcome balance of payment</li> </ul>	
	Lecture 30	<ul style="list-style-type: none"> <li>• difficulties Export promotion vs. import substitution</li> </ul>	

<b>Week 12</b>	Lecture 31	<ul style="list-style-type: none"> <li>Foreign trade and economic development</li> </ul>	
	Lecture 32	<ul style="list-style-type: none"> <li>Introduction and importance Arguments in favor of trade and development</li> </ul>	
	Lecture 33	<ul style="list-style-type: none"> <li>Introduction and importance Arguments in favor of trade and development Its criticism</li> </ul>	
<b>Week 13</b>	Lecture 34	<ul style="list-style-type: none"> <li>Commercial policy and economic development. The Trade Agreements Act of 1934</li> </ul>	
	Lecture 35	<ul style="list-style-type: none"> <li>International Institutions Promoting Trade GATT</li> </ul>	
	Lecture 36	<ul style="list-style-type: none"> <li>The 1962 Trade Expansion Act and the Kennedy</li> </ul>	
<b>Week 14</b>	Lecture 37	<ul style="list-style-type: none"> <li>The Trade Reform Act of 1974 and the Tokyo Round</li> </ul>	
	Lecture 38	<ul style="list-style-type: none"> <li>The 1984 and 1988 Trade Acts</li> </ul>	
	Lecture 39	<ul style="list-style-type: none"> <li>The Uruguay Round (most ambitious round)</li> </ul>	
<b>Week 15</b>	Lecture 40	<ul style="list-style-type: none"> <li>Outstanding Trade Problems and Doha Round</li> </ul>	
	Lecture 41	<ul style="list-style-type: none"> <li>UNCTAD</li> </ul>	
	Lecture 42	<ul style="list-style-type: none"> <li>WTO. Origin and its objectives</li> </ul>	
<b>Week 16</b>	Lecture 43	<ul style="list-style-type: none"> <li>SAARC</li> </ul>	
	Lecture 44	<ul style="list-style-type: none"> <li>Economic cooperation among LDCs</li> </ul>	
	Lecture 45	<ul style="list-style-type: none"> <li>Asian Development Bank Origin; its objectives its membership,</li> </ul>	
	Lecture 46	<ul style="list-style-type: none"> <li>Generalized System Preferences</li> </ul>	
	Lecture 47		
	Lecture 48		
<b>Week 17</b>		<b>Terminal Exam</b>	

**ECO-412 RESEARCH METHODS AND TECHNIQUE Credit Hrs. 3(3-0)**

Week No	Lecture	Topics	Activity
Week 1	Lecture 1	Introduction research methods and Techniques	
	Lecture 2	Survey	
	Lecture 3	<b>Cont..</b>	
Week 2	Lecture 4	Cont	
	Lecture 5	Cont..	
	Lecture 6	Cont...	
Week 3	Lecture 7	Survey and Research:	
	Lecture 8	Cont...	
	Lecture 9	Survey and other social research, , accuracy of information, ,	
Week 4	Lecture 10	sources of Information	Assignment# 01
	Lecture 11	Instruments studies design	
	Lecture 12	questionnaire,	
Week 5	Lecture 13	Cont...	
	Lecture 14	Cont...	
	Lecture 15	interview schedules, sample selection	
Week 6	Lecture 16	Cont..	Quiz# 01
	Lecture 17	Writing Skills and Presentation of Research	
	Lecture 18	Cont..	
Week 7	Lecture 19	Material: Introduction, data, results, conclusion,	
	Lecture 20	, Literature review, analytical framework	
	Lecture 21	reference, footnotes, endnotes, Latin abbreviations,	
Week 8	<b>Midterm Exam</b>		Assignment # 02
	Lecture	Cont..	

Week 9	22		
	Lecture 23	bibliography, proof reading techniques/symbols.	
	Lecture 24	Cont..	
Week 10	Lecture 25	Cont..	
	Lecture 26	Cont..	
	Lecture 27	Descriptive Statistical Analysis: Introduction	
Week 11	Lecture 28	Using SPSS for Descriptive Statistical Analysis (Average, growth, trend, Correlation and Inequality).Computer Application	Quiz # 02
	Lecture 29	Cont..	
	Lecture 30	Cont..	
Week 12	Lecture 31	Cont..	
	Lecture 32	Cont..	
	Lecture 33	Econometric Analysis: Using SPSS for Model Specifications and OLS estimation	
Week 13	Lecture 34	test of significance independent samples t-test, F-test, Chi-Square test Using e-views / Micro fit for estimating systems of equations, trends and forecasts.	
	Lecture 35	<b>Cont...</b>	
	Lecture 36	<b>Cont..</b>	
Week 14	Lecture 37	<b>Cont..</b>	
	Lecture 38	<b>Cont..</b>	
	Lecture 39	<b>Cont..</b>	
Week 15	Lecture 40	Computer application Reading: Text books on statistical/ econometrics and manual or basic material of recommended software	
	Lecture 41	<b>Cont...</b>	
	Lecture 42	<b>Cont..</b>	

Week 16	Lecture 43	Presentation of Data and Project Reports: How to present data (use of Figure, charts, pic, bars, Gantt-chart and Pictogram). Computer application	
	Lecture 44	<b>Cont..</b>	
	Lecture 45	<b>Cont..</b>	
Week 17	<b>Terminal Exam</b>		

<b>ECO-413 PUBLIC FINANCE Credit Hrs. 3(3-0)</b>			
<b>Week No</b>	<b>Lecture</b>	<b>Topics</b>	<b>Activity</b>
Week 1	Lecture 1	Course introduction	
	Lecture 2	Role and meaning of public finance	
	Lecture 3	Theories of public goods	
Week 2	Lecture 4	Cont...	
	Lecture 5	Cont...	
	Lecture 6	Externalities and congestion	
Week 3	Lecture 7	Distribution	
	Lecture 8	Equity and economic welfare	
	Lecture 9	Political and social choice	
Week 4	Lecture 10	Cost-benefit analysis	Assignment# 01
	Lecture 11	Public expenditure evaluation principles	
	Lecture 12	Informal and black economy	
Week 5	Lecture 13	Positive and normative analysis of taxation	
	Lecture 14	Role of public sector in macroeconomics stability	
	Lecture 15	Economic growth	
Week 6	Lecture 16	Poverty reduction	Quiz# 01
	Lecture 17	Equity	
	Lecture 18	Overlapping generations model	
Week 7	Lecture 19	Cont...	
	Lecture 20	Cont...	
	Lecture 21	Cont...	
Week 8	<b>Midterm Exam</b>		
Week 9	Lecture 22	Social security	Assignment # 02
	Lecture 23	Pension and government bonds	
	Lecture 24	Cont...	
Week 10	Lecture 25	Analysis of budget deficits	
	Lecture 26	Cont...	
	Lecture 27	Internal and external borrowings and debt dynamics	
Week 11	Lecture 28	Techniques of cost benefit analysis of investment projects	Quiz # 02
	Lecture 29	Cont...	
	Lecture 30	Uses of shadow prices	
Week 12	Lecture 31	Problems of estimating benefits in highway	
	Lecture 32	Irrigation power and other projects	
	Lecture 33	Unemployment and use of surplus	

Week 13	Lecture 34	Alternative investment criteria	
	Lecture 35	Criteria for cost benefit analysis	
	Lecture 36	Fiscal and monetary policy in Pakistan	
Week 14	Lecture 37	Cont...	
	Lecture 38	LDSs and taxation	
	Lecture 39	Expenditure	
Week 15	Lecture 40	Problem of balancing	
	Lecture 41	The budget financing	
	Lecture 42	Public borrowings	
Week 16	Lecture 43	Federal provincial relation in Pakistan	
	Lecture 44	Use of budget for promoting economic and social objectives with reference to development planning in Pakistan	
	Lecture 45	Cont...	
Week 17	<b>Terminal Exam</b>		

POL-125		POLITICAL SCIENCE	Credit Hrs. 3(3-0)
Week	Lecture No.	Topic	Activity
<b>Week 1</b>	Lecture 1	<ul style="list-style-type: none"> <li>• Introduction</li> <li>• Introduction to the political science</li> <li>• Definitions, meanings</li> <li>• Importance of the Subject</li> </ul>	
	Lecture 2	<ul style="list-style-type: none"> <li>• Scope of political science</li> <li>• Nature of political Science</li> <li>• Utility</li> <li>• Methods of Study</li> </ul>	
	Lecture 3	<ul style="list-style-type: none"> <li>• The State</li> <li>• Evolution</li> <li>• Definition</li> <li>• Essential Elements of State</li> </ul>	
<b>Week 2</b>	Lecture 4	<ul style="list-style-type: none"> <li>• Approaches to study of Political Science</li> <li>• Relationship with the other social sciences</li> <li>• Subject/Matter of Political Science</li> <li>• Modern Trends and School of Thought</li> <li>•</li> </ul>	
	Lecture 5 Lecture 6	<ul style="list-style-type: none"> <li>• The State</li> <li>• Evolution</li> <li>• Definition</li> <li>• Essential Elements of State</li> </ul>	
<b>Week 3</b>	Lecture 7	<ul style="list-style-type: none"> <li>• State and Society</li> <li>• State and Government</li> <li>• State and Association</li> <li>• Ends and functions of the state</li> <li>• Divergent views</li> </ul>	
	Lecture 8	<ul style="list-style-type: none"> <li>• Idealism view</li> <li>• Utilitarianism view</li> <li>• Individualism view</li> </ul>	
	Lecture 9	<ul style="list-style-type: none"> <li>• Welfare State</li> <li>• Function of welfare state</li> </ul>	
<b>Week 4</b>	Lecture 10	<ul style="list-style-type: none"> <li>• Real Purpose of State</li> <li>• Essential Functions of State</li> <li>• Secondary functions</li> <li>• Islamic concept of welfare State</li> </ul>	
	Lecture 11	<ul style="list-style-type: none"> <li>• SOVEREIGNTY</li> <li>• Definition</li> <li>• Kinds of sovereignty</li> </ul>	<b>Assignment# 01</b>

		<ul style="list-style-type: none"> <li>• Attributes</li> </ul>	
	Lecture 12	<ul style="list-style-type: none"> <li>• Austin's Concept of sovereignty</li> <li>• Critical view</li> <li>• Islamic concept</li> <li>• Attributes</li> <li>• Implications</li> </ul>	
<b>Week 5</b>	Lecture 13	<ul style="list-style-type: none"> <li>• LIBERTY</li> <li>• Meanings</li> <li>• Kinds of Liberty</li> <li>• Nature of Rights</li> <li>• Kind of Rights and Obligations</li> <li>• Safeguards of Liberty</li> <li>• Law and Liberty</li> <li>• Liberty and Equality</li> </ul>	
	Lecture 14	<ul style="list-style-type: none"> <li>• Basic Human Rights in Islam</li> <li>• Rights</li> <li>• Important rights of citizen</li> </ul>	
	Lecture 15	<ul style="list-style-type: none"> <li>• Rights of Non-Muslims in Islamic State</li> <li>• Separate Identity</li> </ul>	
<b>Week 6</b>	Lecture 16	<ul style="list-style-type: none"> <li>• Classification of Minorities</li> </ul>	<b>Quiz # 01</b>
	Lecture 17	<ul style="list-style-type: none"> <li>• LAW</li> <li>• Definition</li> <li>• Modern School of Jurisprudence</li> <li>• Source of Law</li> <li>• Classification</li> </ul>	
	Lecture 18	<ul style="list-style-type: none"> <li>• Law and Morality</li> <li>• Islamic Law</li> <li>• Source of Islamic Law</li> </ul> <p>Importance of Ijtihad</p>	
<b>Week 7</b>	Lecture 19	<ul style="list-style-type: none"> <li>• Organization of Government</li> <li>• Forms of Government</li> <li>• Classification of Governments</li> <li>• Democracy</li> </ul>	
	Lecture 20	<ul style="list-style-type: none"> <li>• Definitions, characteristics</li> <li>• Conditions of democracy</li> <li>• Advantages of democracy</li> <li>• Disadvantages of democracy</li> <li>• Islamic concept of democracy</li> </ul>	
	Lecture 21	<ul style="list-style-type: none"> <li>• Salient Features of Democracy</li> </ul>	

		<ul style="list-style-type: none"> <li>• Dictatorship</li> <li>• Kinds</li> <li>• Characteristics</li> <li>• Merits and demerits</li> </ul>	
<b>Week 8</b>	Midterm		
<b>Week 9</b>	Lecture 22	<ul style="list-style-type: none"> <li>• Advantages and Disadvantages</li> <li>• Condition for Dictatorship</li> <li>• Pakistan faced Dictatorship more than four times</li> <li>• Causes of Dictatorship in Pakistan</li> <li>•</li> </ul>	<b>Assignment# 02</b>
	Lecture 23	<ul style="list-style-type: none"> <li>• Presidential and Parliamentary form of Government</li> <li>• Features of Presidential System</li> <li>• Features of Parliamentary System</li> <li>• Merits and Demerits</li> </ul>	
	Lecture 24	<ul style="list-style-type: none"> <li>• Unitary and Federal system of Government</li> <li>• Definitions</li> <li>• Unitary Government</li> <li>• Federal Government</li> <li>• Salient Features of Federation</li> <li>•</li> </ul>	
<b>Week 10</b>	Lecture 25	<ul style="list-style-type: none"> <li>• Federation and confederation</li> <li>• Formation of Federation</li> <li>• Conditions of Federation</li> <li>• Advantages and Disadvantages</li> <li>• Future of Federation</li> </ul>	
	Lecture 26	<ul style="list-style-type: none"> <li>• The Legislature</li> <li>• Evolution</li> <li>• Organization and procedure</li> <li>• Functions of Legislature</li> </ul>	
	Lecture 27	<ul style="list-style-type: none"> <li>• Legislature remaining part</li> <li>• Bicameral and Unicameral</li> <li>• Upper chamber</li> <li>• Lower chamber</li> </ul>	
<b>Week 11</b>	Lecture 28	<ul style="list-style-type: none"> <li>• Advantages and Disadvantages</li> </ul>	<b>Quiz # 02</b>
	Lecture 29	<ul style="list-style-type: none"> <li>• The Executive</li> <li>• Kind of Executive</li> <li>• Organization</li> </ul>	

		<ul style="list-style-type: none"> <li>Executive head</li> <li>Executive council</li> </ul>	
	Lecture 30	<ul style="list-style-type: none"> <li>Civil services and its Characteristics</li> <li>Functions of Political Executive</li> <li>Powers of political executive</li> </ul>	
<b>Week 12</b>	Lecture 31	<ul style="list-style-type: none"> <li>THE JUDICIARY</li> <li>Organization</li> <li>Independence of Judiciary</li> <li>Relationship with the Executive</li> </ul>	
	Lecture 32	<ul style="list-style-type: none"> <li>Relationship with the Legislature</li> <li>Separation of power</li> </ul>	
	Lecture 33	<ul style="list-style-type: none"> <li>POLITICAL PROCESS AND INSTITUTIONS</li> <li>Electorate</li> <li>Adult and Restricted Franchise</li> </ul>	
<b>Week 13</b>	Lecture 34	<ul style="list-style-type: none"> <li>Direct Legislation</li> <li>Advantages and Disadvantages</li> <li>Referendum</li> </ul>	
	Lecture 35	<ul style="list-style-type: none"> <li>Initiative</li> <li>Plebiscite</li> <li>Recall</li> <li>Free Elections</li> </ul>	
	Lecture 36	<ul style="list-style-type: none"> <li>Direct and indirect Elections</li> <li>Voting Behavior</li> <li>Method of Voting</li> <li>Voting and Election in Islamic state</li> <li>Representation of Minorities</li> <li>Single and multi-members Constituencies</li> <li>Advantages and Disadvantages</li> </ul>	
<b>Week 14</b>	Lecture 37	<ul style="list-style-type: none"> <li>Electoral Districts</li> <li>Proportional Representation</li> <li>Communal Representation</li> <li>Functional Representation</li> </ul>	
	Lecture 38	<ul style="list-style-type: none"> <li>POLITICAL PARTIES</li> <li>Importance of political parties</li> <li>Promotions</li> <li>Objectives</li> <li>Functions of Political Parties</li> </ul>	
	Lecture 39	<ul style="list-style-type: none"> <li>Advantages and Disadvantages of political parties</li> <li>Two party and Multiple Party system</li> <li>Classification of political parties</li> <li>Single party system</li> </ul>	

		<ul style="list-style-type: none"> <li>•</li> </ul>	
<b>Week 15</b>	Lecture 40	<ul style="list-style-type: none"> <li>• Public Opinion</li> <li>• Meaning</li> <li>• Definition</li> <li>• Importance</li> <li>• Effective public opinion</li> <li>• Formation and Expression</li> </ul>	
	Lecture 41	<ul style="list-style-type: none"> <li>• Public opinion and cultural aspects</li> <li>• Measurement of Public opinion</li> <li>• Problems of opinion polls</li> <li>• Public opinion and propaganda</li> </ul>	
	Lecture 42	<ul style="list-style-type: none"> <li>• Interest groups and pressure groups</li> <li>• Interest groups</li> <li>• Pressure groups</li> <li>• Almonds concept</li> <li>• Importance of pressure groups</li> </ul>	
<b>Week 16</b>	Lecture 43	<ul style="list-style-type: none"> <li>• Modes of political actions</li> <li>• lobbying</li> </ul>	
	Lecture 44	<ul style="list-style-type: none"> <li>• Factors affecting group activities</li> <li>• Interest groups and Democracy</li> </ul>	
	Lecture 45	<ul style="list-style-type: none"> <li>• Interest groups and political parties</li> </ul>	
	Lecture 46	<ul style="list-style-type: none"> <li>• Role of pressure groups on molding public opinion</li> </ul>	
<b>Week 17</b>	<b>Terminal Exam</b>		

<b>MGT-219 INTRODUCTION TO MANAGEMENT Credit Hrs.3(3-0)</b>			
<b>Week</b>	<b>Lecture .</b>	<b>Topic</b>	<b>Activity</b>
<b>Week 1</b>	Lecture 1	Foundation of management.	
	Lecture 2	Definition, Scope and Functions of Management	
	Lecture 3	Management & Organization.	
<b>Week 2</b>	Lecture 4	Different Levels of Management	
	Lecture 5	Roles and Skills of Management,	
	Lecture 6	Management Process	
<b>Week 3</b>	Lecture 7	Evolution of Management.	
	Lecture 8	Management theories and perspectives,	
	Lecture 9	Scientific Management.	
<b>Week 4</b>	Lecture 10	History of Scientific Management	<b>Assignment# 01</b>
	Lecture 11	Administrative Management, Bureaucratic Management.	
	Lecture 12	Behavioral theories	
<b>Week 5</b>	Lecture 13	System Approach, Contingency Approach.	
	Lecture 14	Cont.....	
	Lecture 15	Corporate social responsibility	
<b>Week 6</b>	Lecture 16	Organizational culture & environment:	<b>Quiz # 01</b>
	Lecture 17	Different Views and Sources of Culture.	

	Lecture 18	Cont.....	
<b>Week 7</b>	Lecture 19	Current Trends & Issues of Management; workforce diversity.	
	Lecture 20	Ethics in management,	
	Lecture 21	Factors affecting ethics and improving ethical behaviors.	
<b>Week 8</b>	<b>Midterm Exam</b>		
<b>Week 09</b>	Lecture 22	Globalization and Management	<b>Assignment# 02</b>
	Lecture 23	Discussion	
	Lecture 24	Organizational & Environmental Analysis: SWOT & PEST analysis.	
<b>Week 10</b>	Lecture 25	Cont....	
	Lecture 26	External & Internal Environmental Factors, Task & Mega Environment.	
	Lecture 27	Decision making: Decision making process of eight steps and its Conditions.	
<b>Week 11</b>	Lecture 28	Cont.....	<b>Quiz # 02</b>
	Lecture 29	Decision Making Errors and Biases	
	Lecture 30	Types of Problems & Respective Decisions.	
<b>Week 12</b>	Lecture 31	Cont.....	
	Lecture 32	Foundation of planning: Conceptual View of Planning and its Purpose & importance.	
	Lecture 33	Challenges & Types of planning, Developing Organizational Goals, Types of Goals.	
<b>Week 13</b>	Lecture 34	Cont.....	
	Lecture 35	Types of Organizational Strategies:	

	Lecture 36	Corporate and business Strategies	
<b>Week 14</b>	Lecture 37	Functional strategies, Strategic Flexibility.	
	Lecture 38	Cont....	
	Lecture 39	Strategic management: Strategic Management Process & Formulation of Strategies.	
<b>Week 15</b>	Lecture 40	Types of Organizational Structure Departmentalization & Chain of Command.	
	Lecture 41	Cont.....	
	Lecture 42	Leadership & management: Who are Leaders? What is Leadership?	
<b>Week 16</b>	Lecture 43	Discussion	
	Lecture 44	Foundation of management.	
	Lecture 45	Definition, Scope and Functions of Management	
<b>Week17</b>	<b>Terminal Exam</b>		

COM-316 INTRODUCTION TO COMMERCE Credit Hrs. 3(3-0)			
Week No	Lecture	Topics	Activity
Week 1	Lecture 1	Course introduction <b>Commerce:</b> Nature of Commerce,	
	Lecture 2	Problems, Functions and Qualities of a Businessman,	
	Lecture 3	Types of Businesses.	
Week 2	Lecture 4	<b>Preparing the Online Business:</b>	
	Lecture 5	Competitor Analysis on the Internet, the Fourth Channel	
	Lecture 6	, Paradigms in the New Economy	
Week 3	Lecture 7	Driving Business Process Re-engineering	
	Lecture 8	Driving Business Process Re-engineering, Designing, Developing and Deploying the System, Supply Chain Management	
	Lecture 9	<b>Cont...</b>	
Week 4	Lecture 10	<b>Cont....</b>	Assignment# 01
	Lecture 11	<b>Sole Proprietorship:</b> Features, Importance, Merits and Demerits.	
	Lecture 12	<b>Partnership:</b> Features, Merits and Demerits, Co-Ownership vs. Partnership; Classification of Partners; Rights, Duties and Liabilities of Partners, Dissolution of Partnership.	
Week 5	Lecture 13	Cont...	
	Lecture 14	<b>Cont....</b>	
	Lecture 15	Cont...	
Week 6	Lecture 16	<b>Joint Stock Company:</b> Features, Merits And Demerits, Formation, Memorandum Of Association; Articles Of Association,	Quiz# 01

		Prospectus, Capital, Management, Meetings, Winding Up.	
	Lecture 17	<b>Cont....</b>	
	Lecture 18	<b>Cooperative Society:</b> Features, Kinds, Merits and Demerits.	
Week 7	Lecture 19	<b>Combination:</b> Meaning, Causes and Purposes, Advantages and Disadvantages. Types of Combination. Forms of Combination.	
	Lecture 20	Cont...	
	Lecture 21	Cont...	
Week 8	<b>Midterm Exam</b>		
Week 9	Lecture 22	<b>Trade:</b> Wholesales, Retail, Import And Export. Export Promotion Bureau and Its Role.	<b>Assignment # 02</b>
	Lecture 23	<b>Cont....</b>	
	Lecture 24	Cont...	
Week 10	Lecture 25	<b>Marketing Operation:</b> Definition, Functions, Scope, Advantage and Disadvantage, Marketing Versus Selling.	
	Lecture 26	Cont...	
	Lecture 27	<b>Cont....</b>	
Week 11	Lecture 28	<b>Channels of Distribution:</b> Meaning, Functions, Kinds, Selection of Channels, Advantages.	<b>Quiz # 02</b>
	Lecture 29	Cont...	
	Lecture 30	<b>Cont...</b>	
Week 12	Lecture 31	<b>Sales Promotion:</b> Meaning, Objects and Methods.	
	Lecture 32	<b>Cont.....</b>	

	Lecture 33	<b>Advertising:</b> Meaning, Objects, Types, Merits and Demerits, Advertising Media.	
Week 13	Lecture 34	<b>Cont....</b>	
	Lecture 35	<b>Cont.....</b>	
	Lecture 36	<b>Warehousing:</b> Definition, Functions, and Kinds.	
Week 14	Lecture 37	Cont...	
	Lecture 38	<b>Business Risk:</b> Definition, Types, Methods of Handling Risk.	
	Lecture 39	<b>Cont....</b>	
Week 15	Lecture 40	<b>Insurance:</b>	
	Lecture 41	Meaning, Principles, Kinds (Life, Fire, Marine) Importance.	
	Lecture 42	Financial statements, Balance sheet, Income statement	
Week 16	Lecture 43	Income statement	
	Lecture 44	Financial position of business, Audit of financial statements	
	Lecture 45	<b>Management:</b> Definition, Basic Functions and Management.	
<b>Week 17</b>			<b>Terminal Exam</b>

ECO-426		LABOR ECONOMICS	Credit Hrs. 3(3-0)
Week No	Lecture	Topics	Activity
Week 1	Lecture 1	Course introduction	
	Lecture 2	Introduction Labor Market Definition, Scope of Labor Markets,	
	Lecture 3	Labor market, Demand, Supply	
Week 2	Lecture 4	wages and equilibrium in the labor market	
	Lecture 5	Labor Supply Measuring the labor force, The worker preferences,	
	Lecture 6	Hours of work decisions, Effect of non labor income,	
Week 3	Lecture 7	wage rate on hours of work, labor supply curves	
	Lecture 8	estimation of the labor supply elasticity, policy application welfare program and worker incentives	
	Lecture 9	Topics in Labor Markets Labor supply over the life cycle and business cycle	
Week 4	Lecture 10	retirement, household production, fertility.	Assignment# 01
	Lecture 11	Labor Demand The production functions, the employment decisions in the (short run, long run)	
	Lecture 12	estimation of demand elasticity's, Marshall's Rules of Derived demand,	
Week 5	Lecture 13	Overview of labor market equilibrium, extension and policy applications	
	Lecture 14	Labor Market equilibrium Equilibrium in a single competitive labor market	
	Lecture 15	Competitive equilibrium across labor markets, taxation	
Week 6	Lecture 16	labor supply and demand, the cobweb model,	Quiz# 01
	Lecture 17	non competitive labor markets (monophony, monopol	
	Lecture 18	Cont...	

Week 7	Lecture 19	Compensating wage differentials The market of risky jobs	
	Lecture 20	hedonic wage function	
	Lecture 21	wage structures	
Week 8	<b>Midterm Exam</b>		
Week 9	Lecture 22	Cont...	<b>Assignment # 02</b>
	Lecture 23	policy application	
	Lecture 24	<b>labor mobility</b>	
Week 10	Lecture 25	discriminations in the labor markets	
	Lecture 26	Cont...	
	Lecture 27	<b>Unemployment</b> Types of unemployment	
Week 11	Lecture 28	The steady state rate of unemployment	<b>Quiz # 02</b>
	Lecture 29	Cont...	
	Lecture 30	<b>job search</b>	
Week 12	Lecture 31	the Intertemporal substitution hypothesis	
	Lecture 32	Cont...	
	Lecture 33	<b>other policy of unemployment</b>	
Week 13	Lecture 34	Cont...	
	Lecture 35	<b>Efficiency wage Theories</b> Work Shirk models	
	Lecture 36	labor turn over model	
Week 14	Lecture 37	Cont...	
	Lecture 38	adverse selection model and sociological theory.	
	Lecture 39	Cont...	
Week 15	Lecture 40	<b>Human Capital Investment</b> <b>Job markets signaling and screening models</b>	
	Lecture 41	<b>ability hypothesis</b>	
	Lecture 42	<b>migration</b>	
Week 16	Lecture 43	<b>poverty and earning distribution</b>	
	Lecture 44	Cont...	
	Lecture 45	<b>education policy</b>	
Week 17	<b>Terminal Exam</b>		

ECO-427		MANAGERIAL ECONOMICS	Credit Hrs. 3(3-0)
Week No	Lecture	Topics	Activity
Week 1	Lecture 1	<b>Nature, Scope and Overview of Managerial Economics</b> The Nature and Scope of Managerial Economics.	
	Lecture 2	The Managerial decision making process. Theory of the firm	
	Lecture 3	Profit maximization	
Week 2	Lecture 4	Cost Minimization. Economic optimization.	
	Lecture 5	Economic relations of variables	
	Lecture 6	The Incremental concept in Economic Analysis. Demand, Supply and Equilibrium	
Week 3	Lecture 7	<b>Demand Analysis: Estimation and Forecasting</b> The Basis for Demand	
	Lecture 8	The Market Demand function. Demand sensitivity analysis:	
	Lecture 9	Elasticity, Price Elasticity of Demand with Managerial applications.	
Week 4	Lecture 10	Income Elasticity of Demand with Managerial applications. Application of Regression Analysis:	Assignment# 01
	Lecture 11	Demand estimation. Demand forecasting	
	Lecture 12	<b>Production and Cost Analysis</b> Production functions. Total, Marginal and Average Product.	
Week 5	Lecture 13	Revenue and Cost in Production. Production function estimation. Productivity Measurement	
	Lecture 14	Homogenous and Homothetic Production Function	
	Lecture 15	Short run and long run cost curves.	
Week 6	Lecture 16	Learning curves and application.	Quiz# 01
	Lecture 17	Cost-value-profit analysis. Cost estimation.	
	Lecture 18	<b>Decision Making Under Risk and Uncertainty</b> Introduction. Risk Analysis of Decision Alternatives.	
	Lecture 19	Adjustment for Risk in Decision	

Week 7		Making	
	Lecture 20	The Expected Value Criterion.	
	Lecture 21	The Standard Deviation Criterion	
Week 8	<b>Midterm Exam</b>		
Week 9	Lecture 22	The Coefficient of Variation Criterion	<b>Assignment # 02</b>
	Lecture 23	The Certainty Equivalent Criterion.	
	Lecture 24	The Maximax Criterion, Maximin Criterion and Minimax regret criterion.	
Week 10	Lecture 25	The Decision Tree and Joint Probabilities.	
	Lecture 26	Optimal decision Strategy	
	Lecture 27	Limit Pricing and Preventing entry.	
Week 11	Lecture 28	<b>Pricing Analysis and Decisions</b> A Review of Market Structures and Basic Pricing Models.	<b>Quiz # 02</b>
	Lecture 29	Perfect Competition. Monopoly	
	Lecture 30	Monopolistic Competition. Oligopoly	
Week 12	Lecture 31	Selected Pricing Models.	
	Lecture 32	Marginalist Pricing	
	Lecture 33	Mark up pricing. New Product Pricing.	
Week 13	Lecture 34	Oligopoly Model. Contestable Markets	
	Lecture 35	Pricing Strategies for Firms and Market Power. Monopolistic Competition.	
	Lecture 36	Price Discrimination, Monoposony and Price Product.	
Week 14	Lecture 37	<b>Managerial Theories and Models of the Firm</b> Baumol's Theory of Sales Revenue Maximization	
	Lecture 38	Marris's Model of Managerial Enterprise.	
	Lecture 39	Williamson's Model of Managerial Discretion Topics,	
Week 15	Lecture 40	Behavioral Model by Cyert and March.	
	Lecture 41	<b>Public Sector Production and Pricing of Goods</b> Public and Private Goods and their	

		pricing mechanism	
	Lecture 42	Decreasing cost Industry and pricing.	
Week 16	Lecture 43	Externalities and Market Pricing issues. Rent seeking and control	
	Lecture 44	Government Policy and International Trade, tariff and pricing.	
	Lecture 45	Import Competitiveness and tax, International pricing Techniques /Strategies.	
Week 17	<b>Terminal Exam</b>		

ECO-431		DEMOGRAPHIC ECONOMICS	Credit Hrs. 3(3-0)
Week	Lecture .	Topic	Activity
<b>Week 1</b>	Lecture 1	Introduction to demography/population dynamics, concepts.	
	Lecture 2	Importance of population studies in the global context.	
	Lecture 3	. Importance of population studies with reference to Pakistan.	
<b>Week 2</b>	Lecture 4	Uses & limitations of population data	
	Lecture 5	Population census	
	Lecture 6	Demographic sample survey	
<b>Week 3</b>	Lecture 7	Registration system (NADRA)	
	Lecture 8	Objectives and functions of NADRA	
	Lecture 9	Qualitative data	
<b>Week 4</b>	Lecture 10	Population size	<b>Assignment# 01</b>
	Lecture 11	Population structure (sex structure, Age structure)	
	Lecture 12	Age,dependence ratio, Error in age reporting)	
<b>Week 5</b>	Lecture 13	Population pyramid,	

	Lecture 14	pyramid profiles population change	
	Lecture 15	Concepts of population growth (Fertility, Morality, Migration).	
<b>Week 6</b>	Lecture 16	Balancing Equation	<b>Quiz # 01</b>
	Lecture 17	Fertility measures of Fertility	
	Lecture 18	<b>Cont.....</b>	
<b>Week 7</b>	Lecture 19	Crude birth rate Specific birth rate	
	Lecture 20	Standard birth rate General fertility rate	
	Lecture 21	Cont.....	
<b>Week 8</b>	<b>Midterm Exam</b>		
<b>Week 09</b>	Lecture 22	Gross reproduction rate Net reproduction rate	<b>Assignment# 02</b>
	Lecture 23	Crude death rate, Specific death rate	
	Lecture 24	Infant mortality, <b>Neo-natal Morality</b> , Pos-Neo natal Mortality	
<b>Week 10</b>	Lecture 25	Maternal mortality Life Expectancy	
	Lecture 26	Life tables	
	Lecture 27	What is theory? Historical thinking of population (conventional economics and alternative thinking)	

<b>Week 11</b>	Lecture 28	Malthusian theory	<b>Quiz # 02</b>
	Lecture 29	Economic demographic equilibrium	
	Lecture 30	Theory of Demographic Transition	
<b>Week 12</b>	Lecture 31	Concept, Historical perspective Measures of Migration Reason for migration Urbanization	
	Lecture 32	Crude immigration rate, Crude emigration rate Crude gross international migration	
	Lecture 33	<b>Crude net international migration rate, Crude in migration rate , Crude out migration rate</b>	
<b>Week 13</b>	Lecture 34	Current population Scenario of Pakistan	
	Lecture 35	Its implication for socio economic development for country.	
	Lecture 36	Its implication for Sustainable development for country.	
<b>Week 14</b>	Lecture 37	Reproductive health	
	Lecture 38	family planning	
	Lecture 39	Reproductive health & family planning details with respect to Pakistan	
<b>Week 15</b>	Lecture 40	History of Reproductive Health in Pakistan.	

	Lecture 41	Current scenario of Reproductive Health in Pakistan.	
	Lecture 42	Comparison of current and previous reproductive health system in Pakistan	
<b>Week 16</b>	Lecture 43	Stationary population models	
	Lecture 44	Application of Stationary population models	
	Lecture 45	(Continued)Application of Stationary population models	
<b>Week 17</b>	<b>Terminal Exam</b>		

ECO-437 STAINABLE DEVELOPMENT Credit Hrs: 3(3-0)			
Week No	Lecture No	Topics	Activity
Week 1	Lecture No 1	<b>Introduction to sustainable development .</b>	
	Lecture No 2	Definition and concept basic concept of sustainable development.	
	Lecture No 3	Historical background of suitable in case of Pakistan and new economic development approach,	
Week 2	Lecture No 4	Global environment of poverty and inequality.	
	Lecture No 5	overall content of development in Pakistan. sustainable development.	
	Lecture No 6	The policies occurred in economic planning in past. Policies ensuring outlays for sustainability in development program.	
Week 3	Lecture No 7	The development dilemma. Poverty alleviation with social Justice	
	Lecture No 8	<b>Challenges and constraints to development</b> Introduction..	
	Lecture No 9	The international dimensions. Administrative challenges. Economic challenges.	
Week 4	Lecture No 10	Cont	Assignment# 01
	Lecture No 11	<b>Cont</b>	
	Lecture No 12	Social challenge. Environmental challenges. Climate change.	
Week 5	Lecture No 13	<b>Cont</b>	
	Lecture No 14	D. growth.	
	Lecture No 15	Cont	
Week 6	Lecture No 16	Development and constraints. Tax Mobilization & its effects.	Quiz# 01
	Lecture No 17	Development and constraints.. Introduction..	
	Lecture No 18	<b>sustainable economic growth and human development</b>	
Week 7	Lecture No 19	Sustainability in growth.. Population dynamics and sustainability	
	Lecture No 20	Education for sustainable development	
	Lecture No 21	The problems need immediate measures.. Energy for sustainable development. Human development	
Week 8	<b>Mid term</b>		

Week 9	Lecture No 22	The initiatives needed <b>sectoral role to sustainable development.</b>	Assignment # 02
	Lecture No 23	Agricultural. Consumption and industrial production	
	Lecture No 24	The main objective. Trace for sustainable development. Issues and trends. Strategic measures needed	
Week 10	Lecture No 25	Agricultural productivity and food security.  Water resource management. Strategic needs.	
	Lecture No 26	..Tourism fir sustainable development. Measures needed.	
	Lecture No 27	<b>Sustainable Development program in Historical Prespective</b>	
Week 11	Lecture No 28	World energy conference .	Quiz # 02
	Lecture No 29	Tyoto protocol. commission on sustainable development..	
	Lecture No 30	High level plan on Global Sustainability. .UN world summit 2002.	
Week 12	Lecture No 31	Newly Industrializing Countries (NIC's)	
	Lecture No 32	ootloose Production Process. NIC's	
	Lecture No 33	UN economic and social council	
Week 13	Lecture No 34	The Earth charter focused on.	
	Lecture No 35	Paris conferences on climate change	
	Lecture No 36	<b>Millennium development goals and Pakistan initiatives</b>	
Week 14	Lecture No 37	Introduction .Sustainable development goals and Pakistan performance.	
	Lecture No 38	Milestones.Cooperation between government and UNDP. special measures.	
	Lecture No 39	<b>UN world summit 2002 paved The way for sustainability</b>	
Week 15	Lecture No 40	<b>Climate protection and environmental sustainability</b>	
	Lecture No 41	politics and climate change.The Earth charter a long term aim.	
	Lecture No 42	Diverse form of life.. Environmental sustainability. Management and utilization management of natural resource.	

Week 16	Lecture No 43	overall environmental governance. Protection for nature.Modern industrial policy.	
	Lecture No 44	Debate has also prompted. The consensus in sinks.	
	Lecture No 45		
Week 17	<b>Terminal Examination</b>		

**ECO-438** **POLITICAL ECONOMY** **Credit Hrs. 3(3-0)**

Week	Lecture .	Topic	Activity
<b>Week 1</b>	Lecture 1	Meaning, Definition and brief Introduction of basic Concepts of Political Economy.	
	Lecture 2	Economic and Political Integration.	
	Lecture 3	Policy Reform and Popular Organization key Social and Economic indicators	
<b>Week 2</b>	Lecture 4	Political and Economic Institutions and their role in decision-making.  Linkages of Politics and Economics.	
	Lecture 5	Conceptualizing the Changing Global Order	
	Lecture 6	<b>Political Economy and World Order</b> Problem of Power and Knowledge	
Week 3	Lecture 7	New Millennium, Knowledge, Politics and Neo-Liberal Political Economy.  New Voices in the Globalization Debate	
	Lecture 8	Green Perspective, Regional Phenomena and State Order New State Actors,	
	Lecture 9	Theory of Exclusion.	
Week 4	Lecture 10	<b>Regional Dynamics</b> Regionalism and Globalization,	<b>Assignment # 1</b>
	Lecture 11	The Political Economy of European Integration, Regionalism in the Asia-Pacific Political Globalization and the Competition State.	
	Lecture 12	Economic Blocks,Political Blocks International Politics and Transfer of Technology	

Week 5	Lecture 13	Sector Specific Development Limitation.	
	Lecture 14	Agriculture and Industry	
	Lecture 15	Political Slogans and their Implementation,	
Week 6	Lecture 16	International challenge of poverty	<b>Quiz #1</b>
	Lecture 17	The Political Economy of food grain prices	
	Lecture 18	Rural Development. Regional Exporting Blocks and their Markets	
Week 7	Lecture 19	<b>Political Economy of Pakistan</b> The Economics of Patronage,	
	Lecture 20	Seven Pillars of good Governance.	
	Lecture 21	The Political Economy of Reforms.	
Week 8	<b>Midterm Exam</b>		
Week 9	Lecture 22	Pakistan - Dynamics of Elitist Model	<b>Assignment # 02</b>
	Lecture 23	Strategies for self-preservation,	
	Lecture 24	A military Theocracy,	
Week 10	Lecture 25	Different Regimes, Economic Development,	
	Lecture 26	Ethnic conflict, the Role of State.	
	Lecture 27	Emerging Economic and Political Issues Their linkages.	
Week 11	Lecture 28	Regionalism, Poverty and Governance etc.	<b>Quiz # 02</b>
	Lecture 29	Poverty Eradication, Trade & Economic Cooperation, Cooperation with Regional NGO's in South Asia	

	Lecture 30	Pakistan and SAARC: Composition of Trade, Foreign Trade Trends in External Trade, Direction of Foreign Trade, Trends of Trade with SAARC. Future Economic Prospects of SAARC	
Week 12	Lecture 31	<b>Issues in Lawlessness and Development</b> Introduction, Economic Crimes,	
	Lecture 32	Terrorism & Insurgency,	
	Lecture 33	Theories of the Economic impact of Law & Order.	
Week 13	Lecture 34	<b>Socio Economic Developments &amp; Crime</b> A Review of Socio-Economic Situation in	
	Lecture 35	Pakistan, Urbanization, Housing, Unemployment, Poverty, Juvenile	
	Lecture 36	Delinquency, Health Hazards. Environment and Externalities,	
Week 14	Lecture 37	Global Issues in Historical Perspective,	
	Lecture 38	Capital Mobility and Global Order	
	Lecture 39	Opening up of Services Sector and its benefiter Capital, labor and entrepreneurs etc.  Multinationals: Objectives, Contribution and their Mobility	
Week 15	Lecture 40	Multinationals: Objectives, Contribution and	

	Lecture 41	their Mobility. Emerging World Financial Order. The Group of Seven and Political	
	Lecture 42	Management of the Global Economy Big Businesses and New Trade Agreements Trade Blocks	
Week 16	Lecture 43		
	Lecture 44		
	Lecture 45		
		<b>Terminal Exam</b>	



Week 6	Lecture 16	Conditions pertaining to contracts	Quiz# 01
	Lecture 17	classification of contracts in Commutative & Non commutative.	
	Lecture 18	Cont.....	
Week 7	Lecture 19	Different types of trade based sale	
	Lecture 20	Conditions of sale	
	Lecture 21	<b>Participatory Modes:</b> Musharakah,	
Week 8	<b>Midterm</b>		
Week 9	Lecture 25	Cont..... Mudarabah,	Assignment # 02
	Lecture 26	Diminishing Muskarakah	
	Lecture 27	<b>Cont....</b>	
Week 10	Lecture 28	Trade base modes: Murabaha,	
	Lecture 29	Salam	
	Lecture 30	Istisna,	
Week 11	Lecture 31	Istijrar,	Quiz # 02
	Lecture 32	Ijarah, Ijarah wa Iqtina	
	Lecture 33	Cont....	
Week 12	Lecture 34	Fee-Based Products: Letter of Credit (Wakala)	
	Lecture 35	Letter of Guarantee (Kafala)	
	Lecture 36	Other Fee-based Services	

Week 13	Lecture 37	Some contradictory Contracts and their shariah position: Tawarruq, Bai al Dayn, Bai al Innah	
	Lecture 38	Cont....	
	Lecture 39	<b>Islamic Mode of Finance in Banking Industry</b> Comparative Analysis of Asset and Liability side of Banks products	
Week 14	Lecture 40	<b>Takaful-Islamic Insurance Operations</b> Nature of insurance; concept, objectives,	
	Lecture 41	basis of takaful, basic elements and operating principles;	
	Lecture 42	Cont.....	
Week 15	Lecture 43	Different models of takaful prevalent in the world	
	Lecture 44	Cont.....	
	Lecture 45		
Week 16	Lecture 46	Evaluation of Islamization process of the economy of Pakistan, Iran and Saudi Arabia	
	Lecture 47	Cont....	
	Lecture 48	Cont	
Week 17	<b>Terminal Exam</b>		

