

SCHEME OF STUDIES BS ARCHAEOLOGY



**Effective
From
Fall-2025 Onwards**

**DEPARTMENT OF ARCHAEOLOGY
UNIVERSITY OF SWAT**

Table of Contents

Introduction.....	1
Vision of the Department.....	2
Mission.....	2
Strategic Plan for Achieving Program Objectives	3
Learning Outcomes.....	3
Eligibility	4
Offerings	4
Framework For BS Archaeology	5
GENERAL EDUCATION REQUIREMENTS	5
SCHEME OF STUDIES FOR GENERAL COURSES.....	7
LIST OF MAJOR COURSES.....	9
INTERDISCIPLINARY/ALLIED COURSES.....	10
SEMESTER BREAK UP FOR BS ARCHAEOLOGY DEGREE PROGRAM	10
General Education Courses of BS Archaeology	16
Major (Disciplinary) Courses Bs Archaeology	81

Introduction

The concept of exploration, documentation and excavation of the archaeological heritage of Indo-Pakistan region originated in the 18th century. Over time, the Archaeological Survey of India was established in 1861, which until 1947, made significant contributions to the development of archaeology as a recognized and attractive field of research. After the independence of Pakistan, archaeology was formally introduced as an academic discipline at the college and university level. As the Swat Valley is exceptionally rich in archaeological remains, spanning from prehistoric times to the early Islamic era, the University of Swat launch a BS degree program in this discipline under the umbrella of the Institute of Cultural Heritage, Tourism and Hospitality in 2018.

However, in 2025, the Institute of Cultural Heritage, Tourism and Hospitality Management, University of Swat, which was offering two-degree programs, i.e. BS Tourism and Hospitality and BS Archaeology, was bifurcated (vide Notification No. UoS/Estt/775, dated August 25, 2025), into the Department of Tourism and Hospitality and the Department of Archaeology. Among the terms and conditions of the bifurcation, the Department of Archaeology was assigned the tasks of increasing student enrollment, exploring new avenues of national and international collaboration, utilizing the archaeological site adjacent to the newly constructed building of the Women Sub-Campus of the University of Swat for field and practical exposure, and conservation of its structural and architectural remains in accordance with codal and procedural formalities. In light of this decision, the Department of Archaeology formally began its academic activities from fall semester 2025 in the existing academic Block-B of the University.

The University of Swat has signed Memorandum of Understanding with the Directorate General of Archaeology and Museums, Government of Khyber Pakhtunkhwa (on December 14, 2021), and with the Italian Archaeological Mission to Pakistan (August 8, 2025). In view of these agreements, the Department of Archaeology is expected to emerge as one of the prominent departments of the University in conducting exploration, excavation, conservation, and joint research publications with the concerned stakeholders.

The scheme of studies is an important step in making curriculum of Archaeology. Although it is the fourth scheme of study for BS Archaeology, in practice, it is prepared under the newly established Department of Archaeology. The scheme of study has been designed in accordance with the New Undergraduate Education Policy of the Higher Education Commission of Pakistan (effective from Spring 2025). It incorporates all the courses required under the HEC policy,

including General Education, Disciplinary, Major, Interdisciplinary, and Elective courses. In addition, students will have the opportunity for internships, capstone projects, field-related experiences, museum management training, and the writing of research papers.

Vision of the Department

To become a leading department in archaeological research, education, and heritage management in Pakistan, with a special focus on the Swat Valley and the wider Indo-Pakistan region, by fostering global collaborations, advancing innovative methods of exploration, excavation, and conservation, and contributing to the preservation of cultural heritage for future generations.

Mission

The BS Archaeology program at the University of Swat has been launched with the following missions.

1. To prepare skilled professionals in the fields of Archaeology and Cultural Heritage Management capable of addressing emerging challenges in these disciplines.
2. To equip students with advanced knowledge and skills required for the protection and promotion of cultural resources of the region.
3. To prepare graduates with diverse competencies who can contribute as policymakers and entrepreneurs in the future.
4. To integrate the cultural heritage sector with the tourism industry, for developing the area as an Archaeological tourism destination.
5. To develop students' ability to demonstrate knowledge, apply skills, and communicate ideas effectively.
6. To build professional competencies in exploration, documentation, excavation, and conservation of archaeological sites and monuments of Pakistan.
7. To support human resource development by providing students with advanced and updated knowledge in archaeology.
8. To prepare students to address legal issues related to cultural heritage in accordance with national legislation and international charters.

Strategic Plan for Achieving Program Objectives

To accomplish the above objectives, the program will adopt the following strategic elements:

1. A modern curriculum, designed in accordance with HEC guidelines and international trends, to prepare professionals for emerging challenges in Archaeology and Cultural Heritage Management.
2. Inclusion of conservation and field-oriented courses with a strong focus on archaeological knowledge of the region.
3. Specialized courses on the preservation, protection, and promotion of archaeological sites and monuments.
4. Study of contemporary issues related to cultural heritage.
5. Regular field visits to archaeological sites and museums across Pakistan.
6. Active participation of students in workshops, seminars, excavation projects, and preservation initiatives.
7. Integration of theoretical knowledge with practical training and co-curricular activities.
8. Case studies, discussions, and task-oriented assignments to provide hands-on professional exposure.
9. A combined theoretical and practical framework to develop technically proficient human resources.
10. Courses on conservation and preservation skills to prepare students for professional practice in handling cultural assets.
11. Comprehensive study of cultural heritage laws and charters to enable graduates to manage legal issues effectively during fieldwork.

Learning Outcomes

Upon successful completion of the BS Archaeology program, graduates will be able to:

1. Demonstrate a sound understanding of the basic concepts of Archaeology and the Cultural Heritage of Pakistan.
2. Apply their knowledge to protect and promote the cultural and natural resources of the region.
3. Identify and decipher ancient inscriptions on coins, birch bark manuscripts, stone slabs, pottery, rocks, and boulders.

4. Analyze and interpret the ancient art and architecture of Pakistan.
5. Demonstrate knowledge of early Islamic art, architecture, numismatics, and epigraphy.
6. Understand the principles of Museology and apply museum-related knowledge in professional contexts.
7. Undertake major research projects, explorations, and excavations independently or as part of a team.
8. Pursuing careers in higher education institutions, research organizations, and governmental institutions.

Eligibility

Eligibility criteria for BS Archaeology: Intermediate or equivalent qualification with at least 45% marks.

Offerings

BS Archaeology Program may be offered with several combinations such as (I) a single major; (II) a single major with one minor; (III) a single major with two minors; or (IV) double majors without any minor. Furthermore, the first two years 60 credit hours shall be considered Associate degree offered at affiliated colleges. The Department of Archaeology shall adopt the “single major” option with the following details:

SINGLE MAJOR

BS Archaeology program with a single major is focused on one disciplinary specialization and comprises of a minimum of 120 credit hours including the requirements of field experience/internship and capstone project.

The breakup of credit hours is as below:

- i. General education courses: 34 credit hours (Must be completed in first 04 semesters)
- ii. Major: minimum 72 credit hours
- iii. Interdisciplinary/Allied courses: minimum 12 credit hours
- iv. Field experience/internship: 03 credit hours
- v. Capstone project: 03 credit hours

Framework For BS Archaeology

GENERAL EDUCATION REQUIREMENTS

The general education component comprised of 30 credit hours in BS Archaeology degree program/equivalent degree programs including Associate Degree program.

Details of the general education requirements (i.e., courses) are given in Table 1 below:

Table 1: HEC Provided Criteria and Guidelines (Source: HEC)

Course	General Education Cluster	Courses	Credit Hours
Gen-Ed-1	Arts and Humanities *	1	02
Gen-Ed-2	Natural Sciences *	1	3 (2+1)
Gen-Ed-3	Social Sciences *	1	02
Gen-Ed-4&5	Functional English ** Expository Writing **	1	03+3
Gen-Ed-6	Quantitative Reasoning ** Denoted by Quantitative Reasoning -1 and -2)	2	3+3
Gen-Ed-7	Islamic Studies ** (OR) Religious Education/Ethics in lieu of Islamic Studies only for non-Muslim students	1	02
Gen-Ed-08	Ideology and Constitution of Pakistan **	1	02
Gen-Ed-09	Information and Communication Technologies (ICT) **	1	3 (2+1)
Gen-Ed-10	Entrepreneurship **	1	02
Gen-Ed-11	Civics and Community Engagement **	1	02
	Total	12	30
	* University may offer any course within the specific broader subject domain/cluster to meet the given credits. ** HEC designed model courses may be used by the university.		
Field work	Three credit hours (3 CH fixed) and shall be offered in 5th semester onwards		
Project/Thesis	Three credit hours (3 CH fixed) and shall be offered in last semester		

Explanation

Course	Subjects General Education Cluster	Courses	Credit Hours
Gen-Ed-1	<u>Arts and Humanities *</u> Introduction to Philosophy Islamic History Seerat Un Nabi	1	02
Gen-Ed-2	<u>Natural Sciences *</u> General Science Biology Environmental Science	1	3
Gen-Ed-3	<u>Social Sciences *</u> Sociology Law Introduction to Economics	1	02
Gen-Ed-4&5	<u>Gen-Ed-4: Functional English **</u> Course: Functional English <u>Gen-Ed-5: Expository Writing **</u> Course: Expository Writing.	2	06 (3+3)
Gen-Ed-6	<u>Quantitative Reasoning **</u> Course: Basic Mathematics Course: Basic Statistics	2	06 (3+3)
Gen-Ed-7	<u>Islamic Studies **</u> Course: Islamic Studies / Ethics for Non-Muslims	1	02
Gen-Ed-8	<u>Ideology and Constitution of Pakistan **</u> Course: Ideology and Constitution of Pakistan	1	02
Gen-Ed-09	<u>Applications of Information and Communication**</u> Course: Information and Communication Technologies (ICT)	1	3 (2+1)
Gen-Ed-10	<u>Entrepreneurship **</u> Course: Entrepreneurship	1	02
Gen-Ed-11	<u>Civics and Community Engagement **</u> Course: Civics and Community Engagement	1	02
	Total	12	30
Field work	Three credit hours (3 CH) and shall be offered in 5th semester onwards	6- 8 Weeks Relevant Field Work	03
Project/Thesis	Three credit hours (3 CH) and shall be offered in last semester		03
* The Department can choose any course from the provided list of courses. ** The Department must select the specific subject listed.			

SCHEME OF STUDIES FOR GENERAL COURSES

Semester-I				
Category	Code	Title	Cr.Hrs	Marks
Compulsory	THQ-101	Teaching of Holy Quran with Translation, Tajveed and Tafseer	Non-Credit	Pass/Fail
Gen-Ed-1	SEN-102	Seerat Un Nabi (PBUH) OR	2	100
	ETB-103	Ethical Behavior (for non-Muslim students)		
Gen-Ed-2*	GSC-104	General Science	3(2+1)	100
	BIO-105	Biology		
	ENV-106	Environmental Science		
Gen-Ed-3*	SOC-107	Sociology	2	100
	LAW-108	Law		
	ECO-109	Introduction to Economics		
	PSY-110	Introduction to Psychology		
Gen-Ed-4	ENG-111	Functional English	3	100
Major			3	100
Major			3	100
Total			16	

Semester-II				
Category	Code	Title	Cr.Hrs	Marks
Compulsory	THQ-151	Teaching of Holy Quran with Translation, Tajveed and Tafseer	Non-Credit	Pass/Fail
Gen-Ed-5	ENG-152	Expository Writing	3	100
Gen-Ed-6	MAT-153	Basic Mathematics	3	100
Gen-Ed-7	STA-154	Basic Statistics	3	100

Gen-Ed-8	FEQ-155	Fehm-e-Quran-I (for Muslim students)	1	100
	ETH-156	Ethics-1 for Non-Muslim Students		
Major			3	100
Major			3	100
Total			16	
Semester-III				
Category	Code	Title	Cr.Hrs.	Marks
Compulsory	THQ-201	Teaching of Holy Quran with Translation,Tajveed and Tafseer	Non-Credit	Pass/Fail
Gen-Ed-9*	IST-202	Islamic Studies	2	100
	ETH-203	Ethics (only for Non-Muslim students)		
Gen-Ed-10	ICP-204	Ideology and Constitution of Pakistan	2	100
Gen-Ed-11	ICT-205	Applications of Information and Communication Technologies	3(2+1)	100
Major			3	100
Major			3	100
Major			3	100
Total			16	

Semester-IV				
Category	Code	Title	Cr.Hrs.	Marks
Compulsory	THQ-251	Teaching of Holy Quran with Translation, Tajveed and Tafseer	Non-credit	Pass/Fail
Gen-Ed-12	ENT-252	Entrepreneurship	2	100
Gen-Ed-13	CCE-253	Civics and Community Engagement	2	100
		Fehm-e-Quran-II (for Muslim students)		

Gen-Ed-14	FEQ-255	Ethics-II for Non-Muslim Students	1	100
Compulsory	PST-254	Pakistan Studies	2	100

Major (Disciplinary) Requirements:

The minimum requirement to complete a single major is 72 credit hours in major (disciplinary) subjects. The details of major (Disciplinary) courses are as under:

LIST OF MAJOR COURSES

S. No	Category	Course Code	Course Title	Credit Hours
1	Major	ARC-101	Introduction to Archaeology	03
2	Major	ARC-102	Ancient History of Pakistan and India	03
3	Major	ARC-151	Muslim History of South Asia	03
4	Major	ARC-152	Archaeological Heritage of Pakistan.	03
5	Major	ARC-201	Cultural Heritage Management	03
6	Major	ARC-202	Stone Age Cultures of Pakistan	03
7	Major	ARC-203	Bronze Age Cultures of Pakistan	03
8	Major	ARC-251	Ancient Religions of Pakistan and India	03
9	Major	ARC-252	Physical Anthropology	03
10	Major	ARC-253	Indus Civilization	03
11	Major	ARC-301	Archaeological Conservation	03
12	Major	ARC-302	Field Archaeology	03
13	Major	ARC-303	Museum Studies	03
14	Major	ARC-304	Cultural Anthropology	03
15	Major	ARC-305	Gandhara Civilization	03
16	Major	ARC-306	Rock Art of Pakistan	03
17	Major	ARC-351	Ancient Civilizations	03
18	Major	ARC-352	World Heritage Sites	03
19	Major	ARC-401	Research Methodology	03
20	Major	ARC-402	Ancient Art and Architecture of Pakistan and India	03
21	Major	ARC-403	Muslim Architecture of Pakistan and India	03
22	Major	ARC-404	Provincial Cultural Heritage	03
23	Major	ARC-451	Numismatics of Pakistan and India.	
24	Major	ARC-452	Paleography and Epigraphy of Pakistan and India	03
25	Major	ARC-453	Muslim Art: Calligraphy, Painting, Minor Arts & Crafts	03
26	Major	ARC-454	Archival Studies	03

INTERDISCIPLINARY/ALLIED COURSES

BS Archaeology degree program shall be comprised of a mandatory set of minimum 12 credit hours for interdisciplinary/allied courses. The details of Interdisciplinary/Allied Courses are as:

S. No	Course Code	Course Title	Credit Hours
01	TAH-353	Inter-Disp-1 Tourist Attractions of Pakistan	3
02	GEO-354	Inter-Disp-2 Fundamentals of Geology	3
01	TAH-355	Inter-Disp-3 Cultural Tourism	3
04	GEO-405	Inter-Disp-4 GIS and Remote Sensing	3
Total Credit Hours=12			

SEMESTER BREAK UP FOR BS ARCHAEOLOGY DEGREE PROGRAM

Semester-I				
Category	Code	Title	Cr.Hrs.	Marks
Compulsory	THQ-101	Teaching of Holy Quran with Translation, Tajweed and Tafseer	Non-Credit	Pass/Fail
Gen-Ed-1	SEN-102	Seerat Un Nabi (PBUH) OR	2	100
	ETB-103	Ethical Behavior (for non-Muslim students)		
Gen-Ed-2*	GSC-104	General Science	3(2+1)	100
	BIO-105	Biology		
	ENV-106	Environmental Science		
Gen-Ed-3*	SOC-107	Sociology	2	100
	LAW-108	Law		
	ECO-109	Introduction to Economics		
	PSY-110	Introduction to Psychology		
Gen-Ed-4	ENG-111	Functional English	3	100
Major	ARC-101	Introduction to Archaeology	3	100
Major	ARC-102	Ancient History of Pakistan and India	3	100
Total				16

Semester-II				
Category	Code	Title	Cr.Hrs.	Marks
Compulsory	THQ-151	Teaching of Holy Quran with Translation, Tajveed and Tafseer	Non-Credit	Pass/Fail
Gen-Ed-5	ENG-152	Expository Writing	3	100
Gen-Ed-6	MAT-153	Basic Mathematics	3	100
Gen-Ed-7	STA-154	Basic Statistics	3	100
Gen-Ed-8	FEQ-155	Fehm-e-Quran-I (for Muslim students)	1	100
	ETH-156	Ethics-1 for Non-Muslim Students		
Major	ARC-151	Muslim History of South Asia	3	100
Major	ARC-152	Archaeological Heritage of Pakistan	3	100
Total			16	
Semester-III				
Category	Code	Title	Cr.Hrs.	Marks
Compulsory	THQ-201	Teaching of Holy Quran with Translation, Tajveed and Tafseer	Non-Credit	Pass/Fail
Gen-Ed-9*	IST-202	Islamic Studies	2	100
	ETH-203	Ethics (only for non-Muslim students)		
Gen-Ed-10	ICP-204	Ideology and Constitution of Pakistan	2	100
Gen-Ed-11	ICT-205	Applications of Information and Communication Technologies	3(2+1)	100
Major	ARC-201	Cultural Heritage Management	3	100
Major	ARC-202	Stone Age Cultures of Pakistan	3	100
Major	ARC-203	Bronze Age Cultures of Pakistan	3	100
Total			16	

Semester-IV				
Category	Code	Title	Cr.Hrs.	Marks
Compulsory	THQ-251	Teaching of Holy Quran with Translation, Tajveed and Tafseer	NonCredit	Pass/Fail
Gen-Ed-12	ENT-252	Entrepreneurship	2	100
Gen-Ed-13	CCE-253	Civics and Community Engagement	2	100
Gen-Ed-14	FEQ-255	Fehm-e-Quran-II (for Muslim students)	1	100
		Ethics-II for Non-Muslim Students		
Compulsory	PST-254	Pakistan Studies	2	100
Major	ARC-251	Ancient Religions of Pakistan and India	3	100
Major	ARC-252	Physical Anthropology	3	100
Major	ARC-253	Indus Civilization	3	100
Total			16	

The first four Semester meet the requirement for Associate Degree in Archaeology

Semester-V				
Category	Code	Title	Cr.Hrs.	Marks
Compulsory	THQ-301	Teaching of Holy Quran with Translation, Tajveed and Tafseer	Non-Credit	Pass/Fail
Major	ARC-301	Archaeological Conservation	3	100
Major	ARC-302	Field Archaeology	3	100
Major	ARC-303	Museum Studies	3	100
Major	ARC-304	Cultural Anthropology	3	100
Major	ARC-305	Gandhara Civilization	3	100
Major	ARC-306	Rock Art of Pakistan	3	100
Total			18	

Semester-VI				
Category	Code	Title	Cr.Hrs.	Marks
Compulsory	THQ-351	Teaching of Holy Quranwith Translation, Tajveed and Tafseer	NonCredit	Pass/Fail
Major	ARC-351	Ancient Civilizations	3	100
Major	ARC-352	World Heritage Sites	3	100
Inter-Disp-1	TAH-353	Tourist Attractions of Pakistan	3	100
Inter-Disp-2	GEO-354	Fundamentals of Geology	3	100
Inter-Disp-3	TAH-355	Cultural Tourism	3	100
Total			15	

Semester-VII				
Category	Code	Title	Cr.Hrs.	Marks
Compulsory	THQ-401	Teaching of Holy Quranwith Translation, Tajveed and Tafseer	NonCredit	Pass/Fail
Major	ARC-401	Research Methodology	3	100
Major	ARC-402	Ancient Art and Architecture of Pakistan and India	3	100
Major	ARC-403	Muslim Architecture of Pakistan and India	3	100
Major	ARC-404	Provincial Cultural Heritage	3	100
Inter-Disp-4	GEO-405	GIS and Remote Sensing	3	100
Internship	INT-410	Internship	3	100
Total			18	

Semester-VIII				
Category	Code	Title	Cr.Hrs.	Marks
Compulsory	THQ-451	Teaching of Holy Quranwith Translation, Tajveed and Tafseer	NonCredit	Pass/Fail
Major	ARC-451	Numismatics of Pakistan and India.	3	100
Major	ARC-452	Paleography and Epigraphy of Pakistan and India	3	100
Major	ARC-453	Muslim Art: Calligraphy, Painting, Minor Arts & Crafts	3	100
Major	ARC-454	Archival Studies	3	100
	PROJ-455	Capstone Project/Thesis	3	100
Total			15	

Total Credit Hours: 130

GENERAL EDUCATION COURSES

BS ARCHAEOLOGY

**GENERAL EDUCATION (GEN-ED) CLUSTER COURSE
CONTENTS**



UNIVERSITY OF SWAT
Fall - 2025 & Onward

General Education Courses of BS Archaeology

GEN-EDU 1: ARTS AND HUMANITIES * CREDIT HOURS: 02

PHI-151 Introduction to PhilosophyF
ISL-152 Islamic History
SEN-102 Seerat Un Nabi

Course Title: Introduction to Philosophy Credit Hours: 02
Course Code: PHI-151

Introduction

This introductory course provides a comprehensive understanding of philosophy as a distinct discipline. The course covers possible definitions of philosophy, its major branches, and sub-branches. Students will be exposed to traditional philosophical systems, exploring how these systems address and attempt to solve fundamental problems of human existence. The course takes a thematic approach, addressing questions such as: What is reality? What is knowledge? Is human nature good, bad, or neutral? Emphasis will be placed on logic, reasoning, and fallacies in argumentation, with particular focus on ethics and metaphysics, and the role of philosophy in the contemporary world.

Course Objectives

1. Expose students to traditional philosophy and its approaches to human existence.
2. Explore thematic questions central to philosophy, such as the nature of reality and knowledge.
3. Enhance students' logical reasoning skills, focusing on ethics and metaphysics.
4. Discuss the relevance and role of philosophy in the contemporary world.

Learning Outcomes

Upon completing this course, students will be able to:

1. Understand the nature of philosophy and its distinction from other fields of knowledge.
2. Identify major traditional divisions of philosophy.
3. Define the relationships of philosophy to religion and science.
4. Examine and defend their core values and beliefs.
5. Distinguish between valid and invalid arguments.
6. Appreciate the role of aesthetics in human thinking.
7. Engage with Western and Muslim debates on epistemology, ethics, and metaphysics.
8. Recognize the importance of philosophy in the contemporary world.

Course Contents

Week 1: The Nature and Scope of Philosophy

- What is philosophy?
- The value of philosophy

Week 2: The Traditional Division of Philosophy

- Overview of major branches: Metaphysics, Epistemology, Ethics, Logic, Aesthetics
- Introduction to Ethics
 - Cultural Relativism

Week 3: Ethics Continued

- Ethical Egoism
- Utilitarianism

Week 4: Ethics Continued

- Are there absolute moral rules?
- Virtue Ethics

Week 5: Introduction to Logic

- What is an argument?
- Propositions

Week 6: Logic Continued

- Premises and conclusions
- Difference between argument and non-argument

Week 7: Critical Thinking

- Critical thinking
- Controversy and disagreements
- Introduction to informal fallacies

Week 8: Informal Fallacies

- Fallacies of ambiguity
- Fallacies of presumption

Week 9: Informal Fallacies Continued

- Fallacies of relevance
- Introduction to aesthetics
 - Aesthetic experience

Week 10: Aesthetics Continued

- What is art?
 - Representation
 - Imitation
 - Expression

Week 11: Introduction to Epistemology

- Difference between knowledge and opinion
- Sources of knowledge

Week 12: Epistemology Continued

- Rationalism
- Empiricism

Week 13: Introduction to Metaphysics

- Why metaphysics?
- The mind-body problem

Week 14: Metaphysics Continued

- Freedom and determinism

Week 15: Philosophy and the Contemporary World

- Philosophy of mind
- Political philosophy
- Philosophy of science

Week 16: Presentations and Quizzes

- Student presentations on selected topics
- Quizzes covering course material

Suggested Readings

1. Hales, S. D. (2021). This is philosophy: An introduction. John Wiley & Sons.
2. Hospers, J. (2013). An introduction to philosophical analysis. Routledge.
3. Hurley, P. J. (2014). A concise introduction to logic. Cengage Learning.

4. Rachels, J., & Rachels, S. (1986). The elements of moral philosophy (p. 9). Philadelphia: Temple University Press.
5. Solomon, R. C., & Higgins, K. M. (2013). The big questions: A short introduction to philosophy. Cengage Learning.
6. Stewart, D. (2010). Fundamentals of Philosophy. 6th. Boston: Pearson

Course: Teaching of The Holy Quran with Translation, Tafseer & Tajweed

Semester: 01 (پارہ نمبر 1 تا 3)

Teaching of The Holy Quran with Translation, Tafseer & Tajweed	کورس کا نام
ترجمہ قرآن کریم پارہ نمبر 1 تا 3	
THQ -101	کورس کوڈ
01	سمسٹر
Note: It is a compulsory but non-credit course taught for two hours each week equivalent to a workload of 2 credit hours. Passing marks will be 50 out of 100 which will be based on written/oral examination reflected as Pass/Fail in the transcript.	گریڈ آؤٹ
طلبا ء کو صحیح تلفظ سے قرآن کریم اور اس کا ترجمہ پڑھنے کے قابل بنانا	کورس کے اہداف

کورس کا تفصیلی خاکہ

بفٹہ نمبر	عنوان	تفصیل
1.	سورة الفاتحة اور سورة البقرة آیت 1 تا 07	1- سورة الفاتحة (مکمل) 2- سورة البقرة آیت 1 تا 07 کا ترجمہ
2.	سورة البقرة آیت 08 تا 29	1- آیت 08 تا 20 کا ترجمہ 2- آیت 21 تا 29 کا ترجمہ
3.	سورة البقرة آیت 30 تا 61	1- آیت 30 تا 46 کا ترجمہ 2- آیت 47 تا 61 کا ترجمہ
4.	سورة البقرة آیت 62 تا 88	1- آیت 62 تا 76 کا ترجمہ 2- آیت 77 تا 88 کا ترجمہ
5.	سورة البقرة آیت 89 تا 112	1- آیت 89 تا 101 کا ترجمہ 2- آیت 102 تا 112 کا ترجمہ
6.	سورة البقرة آیت 113 تا 141	1- آیت 113 تا 126 کا ترجمہ 2- آیت 127 تا 141 کا ترجمہ
7.	سورة البقرة آیت 142 تا 172	1- آیت 142 تا 156 کا ترجمہ 2- آیت 157 تا 172 کا ترجمہ
8.	سورة البقرة آیت 173 تا 193	1- آیت 173 تا 184 کا ترجمہ 2- آیت 185 تا 193 کا ترجمہ
9.	سورة البقرة کی آیت 194 تا 215	1- آیت 194 تا 203 کا ترجمہ 2- آیت 204 تا 215 کا ترجمہ
10.	سورة البقرة آیت 216 تا 232	1- آیت 216 تا 224 کا ترجمہ 2- آیت 225 تا 232 کا ترجمہ
11.	سورة البقرة آیت 233 تا 252	1- آیت 233 تا 242 کا ترجمہ 2- آیت 243 تا 252 کا ترجمہ
12.	سورة البقرة آیت 253 تا 269	1- آیت 253 تا 259 کا ترجمہ 2- آیت 260 تا 269 کا ترجمہ
13.	سورة البقرة آیت 270 تا 286	1- آیت 270 تا 81 کا ترجمہ 2- آیت 282 تا 286 کا ترجمہ
14.	سورة آل عمران آیت 01 تا 30	1- آیت 01 تا 15 کا ترجمہ 2- آیت 16 تا 30 کا ترجمہ
15.	سورة آل عمران آیت 31 تا 62	1- آیت 31 تا 45 کا ترجمہ 2- آیت 46 تا 62 کا ترجمہ
16.	سورة آل عمران آیت 63 تا 91	1- آیت 63 تا 77 کا ترجمہ 2- آیت 78 تا 91 کا ترجمہ

Course: Teaching of The Holy Quran with Translation, Tafseer & Tajweed

Semester: 02 (پارہ نمبر 4 تا 7)

Teaching of The Holy Quran with Translation, Tafseer & Tajweed ترجمہ قرآن کریم پارہ نمبر 4 تا 7	کورس کا نام
THQ-151	کورس کوڈ
02	سمسٹر
Note: It is a compulsory but non-credit course taught for two hours each week equivalent to a workload of 2 credit hours. Passing marks will be 50 out of 100 which will be based on written/oral examination reflected as Pass/Fail in the transcript.	کریڈٹ آورز
طلباء کو صحیح تلفظ سے قرآن کریم اور اس کا ترجمہ پڑھنے کے قابل بنانا	کورس کے اہداف

کورس کا تفصیلی خاکہ

بفہ نمبر	عنوان	تفصیل
1.	سورة آل عمران آیت 92 تا 129	1- آیت 92 تا 109 کا ترجمہ 2- آیت 110 تا 129 کا ترجمہ
2.	سورة آل عمران آیت 130 تا 171	1- آیت 130 تا 148 کا ترجمہ 2- آیت 149 تا 171 کا ترجمہ
3.	سورة آل عمران آیت 172 تا 200	1- آیت 172 تا 189 کا ترجمہ 2- آیت 190 تا 200
4.	سورة النساء آیت 1 تا 25	1- آیت 1 تا 14 کا ترجمہ 2- آیت 15 تا 25 کا ترجمہ
5.	سورة النساء آیت 26 تا 59	1- آیت 26 تا 42 کا ترجمہ 2- آیت 43 تا 59 کا ترجمہ
6.	سورة النساء آیت 60 تا 91	1- آیت 60 تا 76 کا ترجمہ 2- آیت 77 تا 91 کا ترجمہ
7.	سورة النساء آیت 92 تا 112	1- آیت 92 تا 100 کا ترجمہ 2- آیت 101 تا 112 کا ترجمہ
8.	سورة النساء آیت 113 تا 141	1- آیت 113 تا 126 کا ترجمہ 2- آیت 127 تا 141 کا ترجمہ
9.	سورة النساء آیت 142 تا 176	1- آیت 142 تا 162 کا ترجمہ 2- آیت 163 تا 176 کا ترجمہ
10.	سورة المائدة آیت 1 تا 26	1- آیت 1 تا 11 کا ترجمہ 2- آیت 12 تا 26 کا ترجمہ
11.	سورة المائدة آیت 27 تا 56	1- آیت 27 تا 43 کا ترجمہ 2- آیت 44 تا 56 کا ترجمہ
12.	سورة المائدة آیت 57 تا 93	1- آیت 57 تا 77 کا ترجمہ 2- آیت 78 تا 93 کا ترجمہ
13.	سورة المائدة آیت 94 تا 120	1- آیت 94 تا 108 کا ترجمہ 2- آیت 109 تا 120 کا ترجمہ
14.	سورة الانعام آیت 1 تا 41	1- آیت 1 تا 20 کا ترجمہ 2- آیت 21 تا 41 کا ترجمہ
15.	سورة الانعام آیت 42 تا 70	1- آیت 42 تا 55 کا ترجمہ 2- آیت 56 تا 70 کا ترجمہ
16.	سورة الانعام آیت 71 تا 110	1- آیت 71 تا 90 کا ترجمہ 2- آیت 91 تا 110

Course: Teaching of The Holy Quran with Translation, Tafseer & Tajweed

Semester: 03 (پارہ نمبر 8 تا 11)

Teaching of The Holy Quran with Translation, Tafseer & Tajweed ترجمہ قرآن کریم پارہ نمبر 8 تا 11	کورس کا نام
THQ-201	کورس کوڈ
03	سمسٹر
Note: It is a compulsory but non-credit course taught for two hours each week equivalent to a workload of 2 credit hours. Passing marks will be 50 out of 100 which will be based on written/oral examination reflected as Pass/Fail in the transcript.	کریڈٹ آورز
طلبا ء کو صحیح تلفظ سے قرآن کریم اور اس کا ترجمہ پڑھنے کے قابل بنانا	کورس کے اہداف

کورس کا تفصیلی خاکہ

بفتمہ نمبر	عنوان	تفصیل
1.	سورة الأنعام آیت 111 تا 150	1. آیت 111 تا 131 کا ترجمہ 2. آیت 132 تا 150 کا ترجمہ
2.	سورة الأنعام آیت 151 تا 165 سورة الاعراف آیت 01 تا 06	1. سورة الأنعام آیت 151-165 کا ترجمہ 2. سورة الاعراف آیت 01 تا 06 کا ترجمہ
3.	سورة الاعراف آیت 07 تا 47	1. آیت 07 تا 27 کا ترجمہ 2. آیت 28 تا 47 کا ترجمہ
4.	سورة الاعراف آیت 48 تا 93	1. آیت 48 تا 70 کا ترجمہ 2. آیت 71 تا 93 کا ترجمہ
5.	سورة الاعراف آیت 94 تا 127	1. آیت 94 تا 110 کا ترجمہ 2. آیت 111 تا 127 کا ترجمہ
6.	سورة الاعراف آیت 128 تا 162	1. آیت 128 تا 145 کا ترجمہ 2. آیت 146 تا 162 کا ترجمہ
7.	سورة الاعراف آیت 163 تا 206	1. آیت 163 تا 185 کا ترجمہ 2. آیت 186 تا 206 کا ترجمہ
8.	سورة الانفال آیت 01 تا 37	1. آیت 01 تا 19 کا ترجمہ 2. آیت 20 تا 37 کا ترجمہ
9.	سورة الانفال آیت 38 تا 75	1. آیت 38 تا 57 کا ترجمہ 2. آیت 58 تا 75 کا ترجمہ
10.	سورة التوبة آیت 01 تا 37	1. آیت 01 تا 19 کا ترجمہ 2. آیت 20 تا 37 کا ترجمہ
11.	سورة التوبة آیت 38 تا 89	1. آیت 38 تا 63 کا ترجمہ 2. آیت 64 تا 89 کا ترجمہ
12.	سورة التوبة آیت 90 تا 119	1. آیت 90 تا 105 کا ترجمہ 2. آیت 106 تا 119 کا ترجمہ
13.	سورة التوبة آیت 120 تا 129 سورة يونس آیت 01 تا 21	1. سورة التوبة آیت 120 تا 129 کا ترجمہ 2. سورة يونس آیت 01 تا 21 کا ترجمہ
14.	سورة يونس آیت 22 تا 61	1. آیت 22 تا 41 کا ترجمہ 2. آیت 42 تا 61 کا ترجمہ
15.	سورة يونس آیت 62 تا 97	1. آیت 62 تا 80 کا ترجمہ 2. آیت 81 تا 97 کا ترجمہ
16.	سورة يونس آیت 98 تا 109 سورة هود آیت 01 تا 05	1. سورة يونس آیت 98 تا 109 کا ترجمہ 3. سورة هود آیت 01 تا 05 کا ترجمہ

Course: Teaching of The Holy Quran with Translation, Tafseer & Tajweed
(پارہ نمبر 12 تا 15) Semester: 04

Teaching of The Holy Quran with Translation, Tafseer & Tajweed ترجمہ قرآن کریم پارہ نمبر 12 تا 15	کورس کا نام
THQ- 251	کورس کوڈ
04	سمسٹر
Note: It is a compulsory but non-credit course taught for two hours each week equivalent to a workload of 2 credit hours. Passing marks will be 50 out of 100 which will be based on written/ oral examination reflected as Pass/Fail in the transcript.	کریڈٹ آورز
1 طلباء کو صحیح تلفظ سے قرآن کریم اور اس کا ترجمہ پڑھنے کے قابل بنانا	کورس کے اہداف

کورس کا تفصیلی خاکہ

بفہ نمبر	عنوان	تفصیل
1.	سورۃ ہود آیت 06 تا 49	1- آیت 06 تا 28 کا ترجمہ 2- آیت 29 تا 49 کا ترجمہ
2.	سورۃ ہود آیت 50 تا 95	1- آیت 50 تا 72 کا ترجمہ 2- آیت 73 تا 95 کا ترجمہ
3.	سورۃ ہود آیت 96 تا 123 اور سورۃ یوسف آیت 01 تا 20	1- سورۃ ہود آیت 96 تا 123 کا ترجمہ 2- سورۃ یوسف آیت 01 تا 20 کا ترجمہ
4.	سورۃ یوسف آیت 21 تا 57	1- آیت 21 تا 39 کا ترجمہ 2- آیت 40 تا 57 کا ترجمہ
5.	سورۃ یوسف آیت 58 تا 93	1- آیت 58 تا 76 کا ترجمہ 2- آیت 77 تا 93 کا ترجمہ
6.	سورۃ یوسف آیت 94 تا 111 اور سورۃ الرعد آیت 01 تا 31	1- سورۃ یوسف آیت 94 تا 111 کا ترجمہ 2- سورۃ الرعد آیت 01 تا 31 کا ترجمہ
7.	سورۃ الرعد آیت 32 تا 43 اور سورۃ ابراہیم آیت 01 تا 21	1- سورۃ الرعد آیت 32 تا 43 کا ترجمہ 2- سورۃ ابراہیم آیت 01 تا 21 کا ترجمہ
8.	سورۃ ابراہیم آیت 22 تا 52	1- آیت 22 تا 37 کا ترجمہ 2- آیت 38 تا 52 کا ترجمہ
9.	سورۃ الحجر آیت 01 تا 60	1- آیت 01 تا 31 کا ترجمہ 2- آیت 32 تا 60 کا ترجمہ
10.	سورۃ الحجر آیت 61 تا 99 اور سورۃ النحل آیت 01 تا 09	1- سورۃ الحجر آیت 61 تا 99 کا ترجمہ 2- سورۃ النحل آیت 01 تا 09 کا ترجمہ
11.	سورۃ النحل آیت 10 تا 70	1- آیت 10 تا 41 کا ترجمہ 2- آیت 42 تا 70 کا ترجمہ
12.	سورۃ النحل آیت 71 تا 128	1- آیت 71 تا 99 کا ترجمہ 2- آیت 100 تا 128 کا ترجمہ
13.	سورۃ بنی اسرائیل آیت 01 تا 40	1- آیت 01 تا 20 کا ترجمہ 2- آیت 21 تا 40 کا ترجمہ
14.	سورۃ بنی اسرائیل آیت 41 تا 84	1- آیت 41 تا 63 کا ترجمہ 2- آیت 64 تا 84 کا ترجمہ
15.	سورۃ بنی اسرائیل آیت 85 تا 111 اور سورۃ الکہف آیت 01 تا 17	1- سورۃ بنی اسرائیل آیت 85 تا 111 کا ترجمہ 2- سورۃ الکہف آیت 01 تا 17 کا ترجمہ
16.	سورۃ الکہف آیت 18 تا 74	1- آیت 18 تا 46 کا ترجمہ 2- آیت 47 تا 74 کا ترجمہ

Course: Teaching of The Holy Quran with Translation, Tafseer & Tajweed
(پارہ نمبر 16 تا 19) Semester:05

Teaching of The Holy Quran with Translation, Tafseer & Tajweed ترجمہ قرآن کریم پارہ نمبر 16 تا 19	کورس کا نام
THQ- 301	کورس کوڈ
05	سمسٹر
Note: It is a compulsory but non-credit course taught for two hours each week equivalent to a workload of 2 credit hours. Passing marks will be 50 out of 100 which will be based on written/oral examination reflected as Pass/Fail in the transcript.	کریڈٹ اورز
طلبا ء کو صحیح تلفظ سے قرآن کریم اور اس کا ترجمہ پڑھنے کے قابل بنانا	کورس کے اہداف

کورس کا تفصیلی خاکہ

تفصیل	عنوان	ہفتہ نمبر
1- سورة الکہف آیت 75 تا 110 کا ترجمہ 2- سورة مریم آیت 1 تا 40 کا ترجمہ	سورة الکہف آیت 75 تا 110 اور سورة مریم آیت 1 تا 40	1
1- سورة مریم آیت 41 تا 82 کا ترجمہ 2- سورة مریم آیت 83 تا 98 اور سورة طہ آیت 1 تا 24 کا ترجمہ	سورة مریم آیت 41 تا 98 اور سورة طہ آیت 1 تا 24	2
1- آیت 25 تا 76 کا ترجمہ 2- آیت 77 تا 104 کا ترجمہ	سورة طہ آیت 25 تا 104	3
1- سورة طہ آیت 105 تا 135 کا ترجمہ 2- سورة الانبیاء آیت 1 تا 29 کا ترجمہ	سورة طہ آیت 105 تا 135 اور سورة الانبیاء آیت 1 تا 29	4
1- آیت 30 تا 75 کا ترجمہ 2- آیت 76 تا 93 کا ترجمہ	سورة الانبیاء آیت 30 تا 93	5
1- سورة الانبیاء آیت 94 تا 112 کا ترجمہ 2- سورة الحج آیت 1 تا 22 کا ترجمہ	سورة الانبیاء آیت 94 تا 112 اور سورة الحج آیت 1 تا 22	6
1- آیت 23 تا 38 کا ترجمہ 2- آیت 39 تا 48 کا ترجمہ	سورة الحج آیت 23 تا 48	7
1- آیت 49 تا 64 کا ترجمہ 2- آیت 65 تا 78 کا ترجمہ	سورة الحج آیت 49 تا 78	8
1- آیت 1 تا 32 کا ترجمہ 2- آیت 33 تا 77 کا ترجمہ	سورة المؤمنون آیت 1 تا 77	9
1- سورة المؤمنون آیت 78 تا 118 کا ترجمہ 2- سورة النور آیت 1 تا 10 کا ترجمہ	سورة المؤمنون آیت 78 تا 118 اور سورة النور آیت 1 تا 10	10
1- آیت 11 تا 26 کا ترجمہ 2- آیت 27 تا 40 کا ترجمہ	سورة النور آیت 11 تا 40	11
1- سورة النور آیت 41 تا 64 کا ترجمہ 2- سورة الفرقان آیت 1 تا 20 کا ترجمہ	سورة النور آیت 41 تا 64 اور سورة الفرقان آیت 1 تا 20	12
1- آیت 21 تا 44 کا ترجمہ 2- آیت 45 تا 77 کا ترجمہ	سورة الفرقان آیت 21 تا 77	13
1- آیت 1 تا 68 کا ترجمہ 2- آیت 69 تا 122 کا ترجمہ	سورة الشعراء آیت 1 تا 122	14
1- آیت 123 تا 175 کا ترجمہ 2- آیت 176 تا 227 کا ترجمہ	سورة الشعراء آیت 123 تا 227	15
1- آیت 1 تا 31 کا ترجمہ 2- آیت 32 تا 59 کا ترجمہ	سورة النمل آیت 1 تا 59	16

Course: Teaching of The Holy Quran with Translation, Tafseer & Tajweed

(پارہ نمبر 20 تا 23) 06 Semester:

Teaching of The Holy Quran with Translation, Tafseer & Tajweed ترجمہ قرآن کریم پارہ نمبر 20 تا 23	کورس کا نام
THQ- 351	کورس کوڈ
06	سمسٹر
Note: It is a compulsory but non-credit course taught for two hours each week equivalent to a workload of 2 credit hours. Passing marks will be 50 out of 100 which will be based on written/oral examination reflected as Pass/Fail in the transcript.	کریڈٹ آورز
1. طلباء کو صحیح تلفظ سے قرآن کریم اور اس کا ترجمہ پڑھنے کے قابل بنانا	کورس کے اہداف

کورس کا تفصیلی خاکہ

تفصیل	عنوان	ہفتہ نمبر
1. سورة النمل آیت 60 تا 93 کا ترجمہ 2. سورة القصص آیت 1 تا 13 کا ترجمہ	سورة النمل آیت 60 تا 93 اور سورة القصص آیت 1 تا 13	1.
1. آیت 14 تا 42 کا ترجمہ 2. آیت 43 تا 60 کا ترجمہ	سورة القصص آیت 14 تا 60	2.
1. سورة القصص آیت 61 تا 88 کا ترجمہ 2. سورة العنكبوت آیت 1 تا 22 کا ترجمہ	سورة القصص آیت 61 تا 88 اور سورة العنكبوت آیت 1 تا 22	3.
1. آیت 23 تا 44 کا ترجمہ 2. آیت 45 تا 69 کا ترجمہ	سورة العنكبوت آیت 23 تا 69	4.
1. آیت 1 تا 19 کا ترجمہ 2. آیت 20 تا 40 کا ترجمہ	سورة الروم آیت 1 تا 40	5.
1. سورة الروم آیت 41 تا 60 کا ترجمہ 2. سورة لقمان آیت 1 تا 19 کا ترجمہ	سورة الروم آیت 41 تا 60 اور سورة لقمان آیت 1 تا 19	6.
1. سورة لقمان آیت 20 تا 34 کا ترجمہ 2. سورة الم السجدة آیت 1 تا 30 کا ترجمہ	سورة لقمان آیت 20 تا 34 اور سورة الم السجدة آیت 1 تا 30	7.
1. آیت 1 تا 8 کا ترجمہ 2. آیت 9 تا 30 کا ترجمہ	سورة الاحزاب آیت 1 تا 30	8.
1. آیت 31 تا 40 کا ترجمہ 2. آیت 41 تا 58 کا ترجمہ	سورة الاحزاب آیت 31 تا 58	9.
1. سورة الاحزاب آیت 59 تا 73 کا ترجمہ 2. سورة سبا آیت 1 تا 30 کا ترجمہ	سورة الاحزاب آیت 59 تا 73 اور سورة سبا آیت 1 تا 30	10.
1. سورة سبا آیت 31 تا 54 کا ترجمہ 2. سورة فاطر آیت 1 تا 14 کا ترجمہ	سورة سبا آیت 31 تا 54 اور سورة فاطر آیت 1 تا 14	11.
1. سورة فاطر آیت 15 تا 45 کا ترجمہ 2. سورة يس آیت 1 تا 32 کا ترجمہ	سورة فاطر آیت 15 تا 45 اور سورة يس آیت 1 تا 32	12.
1. سورة يس آیت 33 تا 67 کا ترجمہ 2. سورة يس آیت 68 تا 83 - سورة الصف آیت 1 تا 21 کا ترجمہ	سورة يس آیت 33 تا 83 اور سورة الصف آیت 1 تا 21	13.
1. آیت 22 تا 74 کا ترجمہ 2. آیت 75 تا 138 کا ترجمہ	سورة الصف آیت 22 تا 138	14.
1. سورة الصف آیت 139 تا 182 - سورة ص آیت 1 تا 14 - سورة ص آیت 15 تا 64 کا ترجمہ	سورة الصف آیت 139 تا 182 اور سورة ص آیت 1 تا 64	15.
1. سورة ص آیت 65 تا 88 کا ترجمہ 2. سورة الزمر آیت 1 تا 31 کا ترجمہ	سورة ص آیت 65 تا 88 اور سورة الزمر آیت 1 تا 31	16.

Course: Teaching of The Holy Quran with Translation, Tafseer & Tajweed

(پارہ نمبر 24 تا 27) Semester: 07

Teaching of The Holy Quran with Translation, Tafseer & Tajweed ترجمہ قرآن کریم پارہ نمبر 24 تا 27	کورس کا نام
THQ- 401	کورس کوڈ
07	سمسٹر
Note: It is a compulsory but non-credit course taught for two hours each week equivalent to a workload of 2 credit hours. Passing marks will be 50 out of 100 which will be based on written/oral examination reflected as Pass/Fail in the transcript.	کریڈٹ اورز
1. طلباء کو صحیح تلفظ سے قرآن کریم اور اس کا ترجمہ پڑھنے کے قابل بنانا	کورس کے انہاد

کورس کا تفصیلی خاکہ

تفصیل	عنوان	بفتہ نمبر
1. آیات 32-63 کا ترجمہ 2. سورت الزمر 64-75 اور سورۃ المؤمن آیات 1-9 کا ترجمہ	سورۃ الزمر آیات 32 تا 75 سورۃ المؤمن آیت 1 تا 9	1.
1. آیات 10-37 کا ترجمہ 2. آیات 83-68 کا ترجمہ	سورۃ المؤمن	2.
1. سورۃ المؤمن آیات 69-85 اور سورۃ حم سجدہ آیات 1-8 کا ترجمہ 2. آیات 32-9 کا ترجمہ	سورۃ المؤمن وسورۃ حم سجدہ	3.
1. سورۃ حم سجدہ آیات 33-54 اور سورۃ شوریٰ آیات 1-9 کا ترجمہ 2. آیات 10-19 کا ترجمہ	سورۃ حم سجدہ وسورۃ شوریٰ	4.
1. سورۃ شوریٰ آیات 20-53 کا ترجمہ 2. سورۃ الزخرف آیات 1-25 کا ترجمہ	سورۃ شوریٰ سورۃ الزخرف	5.
1. آیات 26-56 کا ترجمہ 2. آیات 57-89 کا ترجمہ	سورۃ الزخرف	6.
1. آیات 1-29 کا ترجمہ 2. آیات 30-59 کا ترجمہ	سورۃ الدخان	7.
1. آیات 1-21 کا ترجمہ 2. آیات 22-37 کا ترجمہ	سورۃ الجاثیہ	8.
1. سورۃ الاحقاف آیات 1-35 کا ترجمہ 2. سورۃ محمد آیات 1-19 کا ترجمہ	سورۃ الاحقاف سورۃ محمد	9.
1. سورۃ محمد آیات 20-38 کا ترجمہ.. اور سورۃ الفتح آیات 1-10 کا ترجمہ 2. آیات 11-29 کا ترجمہ	سورۃ محمد سورۃ الفتح	10.
1. سورۃ الحجرات آیات 1-18 کا ترجمہ 2. سورۃ ق آیات 1-45 کا ترجمہ	سورۃ الحجرات سورۃ ق	11.
1. سورۃ الذاریات آیات 1-60 کا ترجمہ 2. سورۃ الطور آیات 1-49 کا ترجمہ	سورۃ الذاریات سورۃ الطور	12.
1. سورۃ النجم آیات 1-62 کا ترجمہ 2. سورۃ القمر آیات 1-55 کا ترجمہ	سورۃ النجم سورۃ القمر	13.
1. سورۃ الرحمن آیات 1-40 کا ترجمہ 2. سورۃ الرحمن آیات 41-78	سورۃ الرحمن	14.
1. سورۃ الواقعہ آیات 1-50 کا ترجمہ 2. سورۃ الواقعہ آیات 51-96 کا ترجمہ	سورۃ الواقعہ	15.
1. آیات 1-19 کا ترجمہ 2. آیات 20-29 کا ترجمہ	سورۃ الحديد	16.

Course: Teaching of The Holy Quran with Translation, Tafseer & Tajweed

(پارہ نمبر 28 تا 30) Semester: 08

Teaching of The Holy Quran with Translation, Tafseer & Tajweed ترجمہ قرآن کریم پارہ نمبر 28 تا 30	کورس کا نام
THQ- 451	کورس کوڈ
08	سمسٹر
Note: It is a compulsory but non-credit course taught for two hours each week equivalent to a workload of 2 credit hours. Passing marks will be 50 out of 100 which will be based on written/oral examination reflected as Pass/Fail in the transcript.	کریڈٹ آورز
طلبا کو صحیح تلفظ سے قرآن کریم اور اس کا ترجمہ پڑھنے کے قابل بنانا	کورس کے اہداف

کورس کا تفصیلی خاکہ

بفہ نمبر	عنوان	تفصیل
1.	سورة المجادلة سورة الحشر	1. سورة المجادلة آیات 1-22 کا ترجمہ 2. سورة الحشر آیات 1-24 کا ترجمہ
2.	سورة الممتحنة سورة الصف	1. سورة الممتحنة آیات 1-13 کا ترجمہ 2. سورة الصف آیات 1-14 کا ترجمہ
3.	سورة الجمعة سورة المنافون سورة التغابن	1. سورة الجمعة آیات 1-11 کا ترجمہ اور سورة المنافون آیات 1-11 کا ترجمہ 2. سورة التغابن آیات 1-18 کا ترجمہ
4.	سورة الطلاق سورة التحريم	1. سورة الطلاق آیات 1-12 کا ترجمہ 2. سورة التحريم آیات 1-12 کا ترجمہ
5.	سورة الملك سورة القلم	1. سورة الملك آیات 1-30 کا ترجمہ 2. سورة القلم آیات 1-52 کا ترجمہ
6.	سورة الحاقة سورة المعارج سورة النوح	1. سورة الحاقة آیات 1-52 کا ترجمہ 2. سورة المعارج آیات 1-44 کا ترجمہ اور سورة النوح آیات 1-28 کا ترجمہ
7.	سورة الجن، سورة المزمل سورة المدثر	1. سورة الجن آیات 1-28 کا ترجمہ اور سورة المزمل آیات 1-20 کا ترجمہ 2. سورة المدثر آیات 1-56 کا ترجمہ
8.	سورة القيامة، سورة الدهر ، سورة المرسلات	1. سورة القيامة آیات 1-40 کا ترجمہ اور سورة الدهر آیات 1-31 کا ترجمہ 2. سورة المرسلات آیات 1-50 کا ترجمہ
9.	سورة النبا وسورة النازعات، سورة النازعات سورة عبس	1. سورة النبا آیات 1-40 اور سورة النازعات آیات 1-46 کا ترجمہ 2. سورة النازعات آیات 1-27 اور سورة عبس آیات 1-42 کا ترجمہ
10.	سورة التکویر ،سورة الانفطار، سورة المطففين	1. سورة التکویر آیات 1-29 کا ترجمہ اور سورة الانفطار آیات 1-19 کا ترجمہ 2. سورة المطففين آیات 1-36 کا ترجمہ
11.	سورة الانشقاق سورة البروج سورة الطارق	1. سورة الانشقاق آیات 1-25 کا ترجمہ 2. سورة البروج آیات 1-22 اور سورة الطارق آیات 1-17 کا ترجمہ
12.	سورة الاعلى سورة الغاشية سورة الفجر	1. سورة الاعلى آیات 1-19 اور سورة الغاشية آیات 1-26 کا ترجمہ 2. سورة الفجر آیات 1-30 کا ترجمہ
13.	سورة البلد سورة الشمس سورة الليل	1. سورة البلد آیات 1-20 اور سورة الشمس آیات 1-15 کا ترجمہ 2. سورة الليل آیات 1-20 کا ترجمہ
14.	سورة الضحی سورة الانشراح سورة التین سورة العلق سورة القدر سورة البینة	1. سورة الضحی ،سورة الانشراح اور سورة التین مکمل کا ترجمہ 2. سورة العلق، سورة القدر اور سورة البینة مکمل کا ترجمہ
15.	سورة الزلزال سورة العاديات سورة القارعة سورة التكاثر سورة العصر سورة الهمزة سورة الفيل	1. سورة الزلزال ، سورة العاديات اور سورة القارعة مکمل کا ترجمہ 2. سورة التكاثر ، سورة العصر، سورة الهمزة، اور سورة الفيل مکمل کا ترجمہ
16.	سورة الفريش، سورة الماعون، سورة الكوثر، سورة الكافرون، سورة النصر، سورة الهمزة سورة الفلق سورة الناس	1. سورة الفريش، سورة الماعون، ، سورة الكوثر اور سورة الكافرون مکمل کا ترجمہ 2. سورة النصر ، سورة الهمزة، سورة الفلق اور سورة الناس مکمل کا ترجمہ

COURSE TITLE: Fehm-e-Quran-I**Credit Hours: 02****Course Code: FEQ-155****Course Learning Outcomes:***By the end of this course, students will be able to:*

1. Develop the ability to understand basic words of the Quran, phrases and sentences that do not contain verbs (unit 1 to 5 of Muallim ul Quran Book) and then sentences having present tense (first half of unit 6 of Muallim ul Quran Book).
2. Acquire a strong foundation for understanding long verses of the Quran with clarity.
3. Comprehend Quranic vocabulary, particles (operative & non operative particles), compounds (Adjective & Possessive compound), pronouns (singular & plural) and types of plural through hundreds of Quranic sentences.
4. Recognize and understand different styles of Quranic sentences, including nominal sentence, emphatic sentence, double emphatic sentence, negative sentence, interrogative sentence, oath –based sentences.
5. Strengthen understanding of fundamental Quranic linguistic styles, expressions and idioms.
6. Understand at least 30 to 40 % of each page of the holy Quran.

Provision of material, content and books:

- **Paper book:** All volumes are available in printed book form.
- **Tutorial videos:** Teaching video of each lesson available on YouTube.
- **Confirmation Videos:** A complete series of confirmation videos of all lessons is available in which the student can confirm his answers.
- **A flipbook:** A flipbook edition is also accessible.
- **Helping material:** Helping material for the teachers like quizzes, question papers and images is available on website.

Course Outline:

Weeks	Lectures (1.5 hrs)	Units	Lessons	Assignments/ Hom	Linguistic Rules
1.	1.	1	1-6	Writing the meaning of Quranic words	Proper Noun Masculine & Feminine
	2.	1	9-14	Writing the meaning of Quranic words	Two kinds of plural Concept of (ج) “And” Common

2.	1.	1	15-17	Writing the meaning of Quranic words, phrases &	Demonstrative Noun (This & That for Masculine (هذه - هذا) Demonstrative Noun (This & That for Feminine) (ذلك - تلك)
	2.	1	18-19 & Revision (Unit 1)	Writing the meaning of Quranic words, phrases & translation of Sentences 17-19 Quiz	Laam for emphasis (الم التأكيد) Superlative Degree like أكبر Revision of all Quranic Sentences
3.	1.	Unit 2	1-3	Writing the meaning of Quranic words, phrases &	Emphatic Particle إن Preposition “For” (اللام) (في) Preposition (في)
	2.	2	4-6	Writing the meaning of Quranic words, phrases &	Preposition (على - من - إلى)
4.	1.	2	7- 9	Writing the meaning of Quranic words & translation of Sentences	Preposition (الباء) Absolute Negation Particle Exceptive Particle (ال النافية) (ال) (ما النافية) (للجنس)
	2.	2	10-13 & Revision (Unit 2)	Writing the meaning of Quranic words, phrases & translation of Sentences 10-13 Quiz	Subordinating Conjunction (أن), Was (كان), Vocative Particle (حرف النداء)
5.	1.	Unit 3	1-2	Writing the meaning of Quranic phrases	Quranic Adjective Compounds

	2.	3	3-5	Writing the meaning of Quranic phrases & translation of sentences	Quranic Possessive Construction (مضاف ومضاف إليه)
6.	1.	3	6 -7	Writing the meaning of Quranic phrase translation of sentences	Quranic Possessive Construction (مضاف ومضاف إليه)
	2.	3	8-10 & Revision (Unit 3)	Writing the meaning of Quranic phrase & translation of sentences 8-10 Quiz	Active Participle (اسم الفاعل), Passive Participle (اسم المفعول), Dual (مثنى)
7.	1.	Unit 4	1-2	Writing the meaning of Quranic phrase & translation of sentences	Personal Pronoun He(المتصل هو) Possessive Pronoun His (المتصل له)
	2.	4	3-4	Writing the meaning of Quranic phrase & translation of sentences	Possessive Pronoun with prepositions في بيته like Pronoun “His” with prepositions like له، منه، فيه
8.	1.	4	5-8	Writing the meaning of Quranic sentences 5-8	Personal Pronoun You(أنت المتصل) Possessive Pronoun Your (المتصل بك) Possessive Pronoun with prepositions في بيتك like Pronoun “your” with prepositions like لك، منك، فيك
	2.	Mid			

9.	1.	4	9-12	Writing the meaning of Quranic phrases & sentences 9-12	Personal Pronoun She((المنفصل هي Possessive Pronoun Her (المتصل ها Possessive Pronoun with prepositions like في بيتها Pronoun “Her” with prepositions like لها، ل
	2.	4	13-16	Writing the meaning of Quranic phrases & sentences 13-16	Personal Pronoun I (أنا (المنفصل Possessive Pronoun Her ي (المتصل Possessive Pronoun with prepositions like في بيتي Pronoun “My” with prepositions like لي
10.	1	4	17 & Revision Unit 4	Revision of all Quranic sentences of Unit 4 Quiz	Adverb (حال)
	2.	Unit 5	1-2	Writing the meaning of Quranic phrases & sentences	Masculine Plural السالم المسبوق بحرف الجر جمع المنكسر السالم وجمع المنكسر
11.	1.	5	3-4	Writing the meaning of Quranic phrases & sentences	Possessive Construction with Plurals جمع المنكسر السالم المسبوق بالإضافة
	2.	5	5-6	Writing the meaning of Quranic phrases, sentences &	Personal Pronoun They ((المنفصل هم Possessive Pronoun Their (المتصل هم
12.	1.	5	7-8	Writing the meaning of Quranic phrases, sentences &	Possessive Pronoun with prepositions like في بيتهم Pronoun “Their” with prepositions like لهم

	2.	5	9-11	Writing the meaning of Quranic phrases, sentences & verses 9-11	Personal Pronoun You (المنفصل أنتم) Possessive Pronoun Your (المتصل كم) Possessive Pronoun with prepositions like في بيوتكم
13.	1.	5	12-14	Writing the meaning of Quranic phrases & sentences & verses 12-14	Pronoun "Your" with prepositions like لكم Personal Pronoun We (نحن) (المنفصل) Possessive Pronoun Our لنا (المتصل)
	2.	5	15-16	Writing the meaning of Quranic sentences & verses	Possessive Pronoun with prepositions like في بيتنا Pronoun "Our" with prepositions like لنا
14.	1.	5	17-18	Writing the meaning of Quranic sentences &	Demonstrative Pronoun These, Those (هؤلاء- أولئك)
	2.	5	19-23	Writing the meaning of Quranic sentences & Verses 19-23	أ/أم، أن، بل، كأن، ما /إل، إن /إل) (، إنما، ليس، ما ،أل، أليس، اليوم، يومئذ، سبحانه) ما بين هما، قل، إذن، بئس، نعم، كال، ما ،أدراك، حسب، أعلم ب، مصير مرجع، ديننا) تمييز
15.	1.	5	Revision Unit 5	Quiz	
	2.	5	1-3 (till Page 16)	Writing the meaning of Quranic Verbs & Translation of Quranic Sentences & Verses	Introduction of Present Tense (فعل مضارع) & Verbal Sentence (جملة فعلية) Present Tense الفعل المضارع صيغة المفرد يعلم
16.	1.	6	3 (From Page 17) & 4 -5	Translation of Quranic Sentences &	Present Tense الفعل المضارع صيغة المفرد يعلم
	2.	6	6	Translation of Quranic Sentences &	Present Tense يعلمون الفعل المضارع صيغة الجمع

COURSE TITLE: Fehm-e-Quran -II**Credit Hours: 02****Course Code: FEQ-255****Course Learning Outcomes:**

By the end of this course, students will be able to:

1. Directly comprehend hundreds of Quranic sentences & verses.
2. Understand at least 80 to 85 % of each page of the holy Quran.
3. Understand common verses across different Quranic topics.
4. Achieve proficiency in the basic and advance linguistic aspects of the Arabic language.
5. Understand the difference between Quranic verbs in various forms, such as present, past and imperative.
6. Develop the ability to understand long verses of the holy Quran independently and then comprehend their interpretation.

Provision of material, content and books:

- **Paper book:** All volumes are available in printed book form.
- **Tutorial videos:** Teaching video of each lesson available on YouTube.
- **Confirmation Videos:** A complete series of confirmation videos of all lessons is available in which the student can confirm his answers.
- **A flipbook:** A flipbook edition is also accessible.
- **Helping material:** Helping material for the teachers like quizzes, question papers and images is available on website.

Course Outline:

Weeks	Lectures	Units	Lessons	Assignments/Home Task	
1.	1.	6	6	Understanding & Translation of Verses	Present Tense صريغة جمع مذكّر غائب مثل يعبدون
	2.	6	7-8	Understanding & Translation of Verses	Present Tense صريغة جمع مذكّر غائب مثل يعبدون
2.	1.	6	9-10	Understanding & Translation of Verses	Present Tense صريغة مفرد مذكّر مخاطب (تعبد) وجمع مذكّر مخاطب (تعبدون)
	2.	6	11-12	Understanding & Translation of Verses	Present Tense صريغة جمع مذكّر مخاطب (تعبدون)
				صيغة المتكلم (أعبد)	

3.	1.	6	13	Understanding & Translation of Verses	Present Tense صريغة جمع المبتكلم (نعبد)
	2.	6	14-15	Understanding & Translation of Verses	Negative Imperative صريغة المفرد وصريغة الجمع، التعبّد التعبّدوا
4.	1.	6	16-17	Understanding & Translation of Verses	Conditional Sentences & masdar moawal (مصدر مؤول)
	2.	6	18-19	Understanding & Translation of Verses	Laam uttaleel (الم التعليل) & Laam ul jhood (الم الجحود)
5.	1.	6	20-21	Understanding & Translation of Verses	Present with object pronouns & Passive Voice
	2.	6	Revision (Unit 6)	Quiz	
6.	1.	Unit 7	1 (sec 1-3)	Understanding & Translation of Verses	Past Tense صريغة المفرد للغايب
	2.	6	1 (Sec 4-5)	Understanding & Translation of Verses	Past Tense صريغة المفرد للغايب
7.	1.	6	1 (Sec 5-6)	Understanding & Translation of Verses	Past Tense صريغة المفرد للغايب
	2.	6	1 (Sec 7-9)	Understanding & Translation of Verses	Past Tense صريغة المفرد للغايب
8.	1.	7	Revision	Understanding & Translation of Verses QUIZ	Past Tense صريغة المفرد للغايب
	2.	MID			
9.	1.	7	2 (sec 1-2)	Understanding & Translation of Verses	Past Tense صريغة الجمع للغايب عبدوا
	2.	7	2 (sec 3)	Understanding & Translation of Verses	Past Tense صريغة الجمع للغايب عبدوا
10.	1.	7	2 (sec 4-5)	Understanding & Translation of Verses	Past Tense صريغة الجمع للغايب عبدوا

	2.	7	2 (sec 6-7)	Understanding & Translation of Verses	Past Tense صريغة الجمع للغايب عبدوا
1.	1.	7	3 (sec 1-2)	Understanding & Translation of Verses	Past Tense صريغة الجمع للمتكلم عينا
	2.	7	3 (sec 2-3)	Understanding & Translation of Verses	Past Tense صريغة الجمع للمتكلم عينا
2.	1.	7	3 (sec 3-4)	Understanding & Translation of Verses	Past Tense صريغة الجمع للمتكلم عينا
	2.	7	3 (sec 4-5)	Understanding & Translation of Verses	Past Tense صريغة الجمع للمتكلم عينا
3.	1.	7	4 (sec 1-2-3)	Understanding & Translation of Verses	Past Tense صريغة الجمع للمخاطب عيتم
	2.	7	4 (sec 4-5)	Understanding & Translation of Verses	Past Tense صريغة الجمع للمخاطب عيتم
4.	1.	7	5-6	Understanding & Translation of Verses Quiz	Past Tense ، صريغة المتكلم والمخاطب عبد ت عبد ت
	2.	7	7	Understanding & Translation of Verses	Past Tense صريغة المؤمن للغايب عب دُت
5.	1.	7	8	Understanding & Translation of Verses	Passive Voice (Past Tense) فعل مجهول للمفرد
	2.	7	9	Understanding & Translation of Verses	Passive Voice (Past Tense) فعل مجهول للجمع
6.	1.	8	1-4	Understanding & Translation of Verses	Imperative Verb for singular فعل الأمر للمفرد
	2.	7	5-8	Understanding & Translation of Verses	Imperative Verb for plural فعل الأمر للجمع

COURSE TITLE: ISLAMIC HISTORY

Credit Hours: 02

Course Code: ISL-152

Introduction

This course provides an in-depth exploration of the early history of Islam, starting from the socio-economic and religious conditions of Pre-Islamic Arabia and continuing through the life and achievements of Prophet Hazrat Muhammad (S.A.W). It further examines the reigns of the first four caliphs, known as the Pious Caliphs, and their contributions to the spread and consolidation of Islam. The course also delves into the administrative and governmental structures established during their caliphates, providing a comprehensive understanding of the early Islamic state and society.

Course Objectives

By the end of this course, students will be able to:

1. Analyze the geographical, socio-economic, and religious conditions of Pre-Islamic Arabia.

2. Describe the early life, prophethood, and significant events in the life of Prophet Hazrat Muhammad (S.A.W).
3. Evaluate the socio-economic and cultural conditions in Medina during the Prophet's life.
4. Discuss the major battles and treaties during the Prophet's time and their implications.
5. Understand the contributions of Hazrat Abu Bakr Siddiq (R.A), Hazrat Umar Farooq (R.A), Hazrat Usman Ghani (R.A), and Hazrat Ali (R.A) to the spread and consolidation of Islam.
6. Examine the administrative, financial, and judicial systems established by the Pious Caliphs.
7. Assess the status of Dhimmis and Mawalis, and the social life of Muslims under the Khalifat-i-Rashida.

Learning Outcomes

Upon successful completion of this course, students will be able to:

1. Critically assess the pre-Islamic Arabian context and its influence on the emergence of Islam.
2. Articulate the life and mission of Prophet Hazrat Muhammad (S.A.W) and his impact on Islamic and world history.
3. Identify the key events and figures in the early Islamic community and their roles in the propagation of Islam.
4. Analyze the political, military, and social strategies used by the Prophet and the Pious Caliphs to expand and consolidate Muslim power.
5. Explain the administrative reforms and institutional developments under the Pious Caliphs.
6. Compare and contrast the contributions and governance styles of the first four caliphs.
7. Reflect on the legacy of the early Islamic state and its relevance to contemporary Muslim societies.

Course Contents

Week 1 & 2: Pre-Islamic Arabia

- Geographical, socio-economic, and religious conditions of Pre-Islamic Arabia, especially of Hijaz

Week 3: The Prophet Hazrat Muhammad (S.A.W) - Early Life and Prophethood

- Early life of the Prophet
- Declaration of prophethood and preaching of Islam
- Response of society

Week 4: Migration and Life in Medina

- Migration to Ethiopia and Medina
- Socio-economic and cultural conditions in Medina
- Contributions of Ansar and the system of 'Brotherhood'

Week 5: Major Events in Medina

- Charter of Medina
- Wars of Badr, Uhud, and Ahzab
- Peace Accord of Hudaibia
- Prophet's letters to various rulers

Week 6: Conquest and Expansion

- Conquest of Makkah
- Battle of Hunayn
- Spread of Islam in Central Arabia
- Tabuk Expedition

Week 7: The Prophet's Final Years

- Prophet's first and last Hajj
- Significance of the last sermon
- Achievements of the Prophet

Week 8: Hazrat Abu Bakr Siddiq (R.A) (632-634 AD)

- Early life and sacrifices for the cause of Islam
- Election as the first Caliph
- Movements of apostasy and rise of false prophets
- Refusal of Zakat payment

Week 9: Hazrat Abu Bakr Siddiq (R.A) Continued

- Consolidation of the center
- Conquest of Iraq
- Relations with Iran, Syria, and Byzantine
- Compilation of the Quran
- His character and achievements

Week 10: Hazrat Umar Farooq (R.A) (634-644 AD) - Early Life and Caliphate

- Early life and acceptance of Islam
- Services to the cause of Islam
- Role during the Caliphate of Hazrat Abu Bakr
- Nomination as the second Caliph

Week 11: Hazrat Umar Farooq (R.A) Continued

- Conquests of Iran, Syria, Palestine, Egypt, Azerbaijan, and Armenia
- Expansion of Muslim power
- Reforms and administration
- Development of state institutions and public welfare projects
- His character and achievements

Week 12: Hazrat Usman Ghani (R.A) (644-656 AD) - Early Life and Caliphate

- Early life and acceptance of Islam
- Role during the life of the Prophet, Hazrat Abu Bakr, and Hazrat Umar
- Election as the third Caliph

Week 13: Hazrat Usman Ghani (R.A) Continued

- Conquest of North Africa, Cyprus, Tabaristan, Tukharistan, and Makran
- The Sabite Movement and opposition to Hazrat Usman
- His martyrdom and its consequences
- Services to the cause of Islam
- His character and achievements

Week 14: Hazrat Ali (R.A) (656-661 AD) - Early Life and Caliphate

- Early life and role during the life of the Prophet, Hazrat Abu Bakr, Hazrat Umar, and Hazrat Usman
- Hazrat Ali as the fourth Caliph

Week 15: Hazrat Ali (R.A) Continued

- Battles of the Camel and Siffin

- Emergence of the Kharijites
- Battle of Nahrawan
- Hazrat Ali's martyrdom
- His character and achievements
- Nomination of Imam Hassan (R.A) as a Caliph and his abdication

Week 16: Administration and Structure of Government under the Pious Caliphs

- Administrative, financial, and judicial systems under the Pious Caliphs
- Status of Dhimmis and Mawalis
- Social life of Muslims
- Overview of the Khalifat-i-Rashida

Suggested Readings:

1. Abdul Hakim, Khalifah, *The Prophet and His Message*, Lahore: Institute of Islamic Culture, 1972.
2. Ali, Syed Ameer, *History of the Saracens*, Lahore: Sang-i-Meel Publishers, 1985.
3. Ali, Syed Ameer, *The Spirit of Islam*, Lahore: Sang-i-Meel Publishers, 1985.
4. Haq, Mazhar-ul, *A short History of Islam*, Lahore: Bookland, 1977.
5. Hamidullah, Muhammad, *The Muslim Conduct of State*, Lahore: 1977.
6. Hitti, Philip K., *History of the Arabs*, London, 1974.
7. Ibn-i-Hisham, *Sirat-un-Nabi Kamil*, tr. Abdul Jalil Siddiqi, Lahore, 1979.
8. Ibn Jarir, Abi Jaffar Muhammad, *Tarikh-i-Tibri*, tr. Muhammad Ibrahim Nadwi, Karachi, 1982.
9. Ibn-i-Ishaq, *Sirat-ul-Nabi*,
10. Lings, Martin, *Muhammad: His Life based on the earliest sources*, Lahore, 1983.
11. Lings, Martin. *The Caliphate, Its Rise, Decline and Fall*. Beirut, 1963.
12. Nadwi, Shah Moin-ud-Din Ahmad. *Tarikh-i-Islam*. Vol. I, Islamabad, 1975.
13. Nu'mani Shibli, *Sirat al-Nabi*. Lahore, Vol. I, 1975.
14. Shah, Pir Muhammad Karam, *Ziaul Nabi*, 7 Vols. Lahore: Ziaul Quran Publications. n. d.
15. Siddiqi, Abdul Hameed, *The Life of Muhammad (SAW)*, Lahore, 1981.
16. Siddiqi, Amir Hassan, *The Origin and Development of Muslim Institutions*, Karachi: 1969.
17. Siddiqi, Mazharuddin, *Development of Islamic State and Society*, Lahore, 1956.

COURSE TITLE: Pakistan Studies

Credit Hours: 02

Course Code: PST-254

Course Description:

This course provides a basic understanding of Pakistan and the Subject of Pakistan Studies. It highlights the justification of studying the Pakistan Movement and the Political Development after its inception. It covers studying salient features of Pakistan such as its Land, Economy, Human Development, and Domestic, International, and Current Affairs. The course will provide opportunities for students to enhance their content knowledge in disciplines that form the core of

Pakistan Studies

Course Objectives: By the end of this course, students will be able to:

1. Prepare students to be intellectuals who take informed decisions
2. Create active, conscientious citizens
3. Make them responsible for contributing positive change within society.

Course Learning Outcomes: By the end of this course, Student will be able to:

1. Create awareness among students about Pakistan as an enlightened nation by comparing it with the rationale and endeavours for Pakistan's creation
2. Educate themselves about the key concepts in disciplines comprising Pakistan Studies, including History, Geography, Economics, and Political Science
3. Assist themselves in identifying various perspectives on current, persistent, and controversial issues in Pakistan; identify their own position on these issues, and be able to support them
4. Instil a sense of patriotism, tolerance, active citizenship, and respect for cultural diversity and religious harmony
5. Design and implement a project to promote active and responsible citizenship and help children and young people do the same.

Course Contents

Week 1: Introduction of Pakistan

Geographical location and significance.

Week 2: Introduction of Pakistan

Historical background: Ancient civilizations in the region.

Week 3: Introduction of Pakistan

Ancient Civilizations in the region.

Week 4: Introduction of Pakistan

Factors leading to the creation of Pakistan.

Week 5: Political History of Pakistan:

Formative phase, Military interventions and democratic transitions

Week 6: Political History of Pakistan

Formative phase, Military interventions and democratic transitions.

Week 7: Geography of Pakistan

Physiography: Mountains, plains, plateaus, deserts, valleys and coastal areas.

Week 8: Geography of Pakistan

River systems: Indus River and its tributaries.

Climate regions of Pakistan.

Week 9: Geography of Pakistan:

Climate regions of Pakistan.

Week 10: Society and Culture of Pakistan

Socio-cultural diversity.

Week 11: Society and Culture of Pakistan

Languages and literature of Pakistan.

Week 12: Society and Culture of Pakistan:

Languages and literature of Pakistan.

Week 13: Economic Development of Pakistan:

Agriculture and industrial sectors of Pakistan.

Economic challenges of Pakistan.

Week 14: Contemporary Issues

Foreign relations of Pakistan.

Security challenges terrorism, extremism, and regional conflicts.

Week 15: Contemporary Issues:

Security challenges terrorism, extremism, and regional conflicts.

Week 16: Contemporary Issues:

Environmental problems and sustainable development (SDGs).

Media and social change.

TEACHING METHODOLOGY:

- Lectures
- In Class Activities
- Written Assignments

ASSESSMENT:

- **Mid Term Evaluation: 20%** (Mid Term Examination)
- **Final Examination: 60%** (Final Term Examination)
- **Quizzes, Assignments and Presentations: 20%**
 - Twenty percent marks should be distributed between Quizzes (5%), Assignments (5%) and Presentations (10%).

Suggested Readings:

1. Ahmad Saeed and Kh. Mansur Sarwar. *Track to Pakistan*.
2. Amin, Tahir. *Ethno-National Movement in Pakistan*. Islamabad: Institute of Policy Studies.
3. Aziz, K. K. *Party Politics in Pakistan*. Islamabad: NCHCR, 1976.
4. Aziz, K. K. *The Murder of History in Pakistan: A Critique of History Textbooks Used in Pakistan*. Lahore: Vanguard, 1993.
5. Burke, S. M. and Lawrence Ziring. *Pakistan Foreign policy: A historical Analysis*. Karachi: Oxford University Press, 1983.
6. Burke, S. M. and Quraishi, Salim Al Din. (1995) *The British Raj in India: An Historical Review*. Karachi: Oxford University Press.
7. Burki, Shahid Javed. *State and society in Pakistan*. Macmillan press ltd 1980.
8. Fazal-e-Karim. (2003) *Pakistan: Geography, Economy and People*. Oxford University Press, Karachi
9. Haq, Noor ul. *Making of Pakistan: The Military Perspective*. Islamabad: NHCR, 1993.
10. Hayat, Sikandar. *Pakistan Studies: A Book of Readings*.
11. Hussain, Ishrat. *Economic development of Pakistan*.
12. Jalal, Ayesha. *The Sole Spokesman: Jinnah, the Muslim League, and the Demand for Pakistan*
13. Kemal, A. R. Mohammad Irfan and Naushin Mahmud (eds.), *Population of Pakistan: An*

- analysis of 1998 Population and Housing census*. Pakistan Institute of Development Economic, 2003.
14. Kazmi, M.R., *A concise History of Pakistan*. Karachi: OUP.
 15. Khan, Hamid Constitutional and Political History of Pakistan. OUP
 16. Khan, Abdul Jabbar (ed.) *Pakistan's Culture heritage: Socio-economic and technological aspects*.
 17. Kokab Rizwan Ullah. *Separatism of East of Pakistan*.
 18. Mehmood, Safdar. *Pakistan: Political Roots & Development*. Lahore, 1994.
 19. Qureshi, Ishtiaq Husain *The struggle for Pakistan*.
 20. Rafique, Afzal, M.. *Political Parties in Pakistan*, Vol. I, II & III. Islamabad: National Institute of Historical and cultural Research, 1998.
 21. Rahman, Tariq. *Language and Politics in Pakistan*
 22. Romi, Raza. *Being Pakistan: Society, Culture and the Arts*
 23. Sayeed, Khalid Bin. *The Political System of Pakistan*. Boston: Houghton Mifflin, 1967.
 24. Sayeed, Khalid Bin. *Politics in Pakistan: The nature and directions of change*
 25. Sayeed, Khalid Bin. *Pakistan Studies: A Book of Readings*.
 26. Talbot, Ian (2005) *Pakistan: a modern history*. London, Hurst.
 27. Umar, Jahangir. *Physical Geography of Pakistan*
 28. Waseem, Muhammad. *Pakistan Under Martial Law*. Lahore: Vanguard, 1987
 29. Wheeler, Mortimer. (1968) *The Indus Civilization*. Cambridge: University Press
 30. Wilcox, Wyne. *The emergence of Bangladesh*. Washington: American Enterprise, Institute of Public Policy Research, 1972.
 31. Wolpert, Stanley. *Jinnah of Pakistan*.
 32. Zadi, Akbar, S. *Issues in Pakistan Economy*. Karachi: oxford university press, 2000.
 33. Ziring, Lawrence. *Pakistan: Enigma of Political Development*. Kent England: Wm Dawson & Sons Ltd, 1980.
 34. Ziring, Lawrence. (1997) *Pakistan in the Twentieth Century: A Political History*. Karachi: Oxford University Press.

COURSE TITLE: SEERAT UN NABI**Credit Hours: 02****Course Code: SEN-102****Introduction**

This course, "Seerat un Nabi," offers an in-depth study of the life and legacy of Prophet Muhammad (S.A.W). It explores the socio-economic and religious conditions of Pre-Islamic Arabia, the Prophet's early life, his prophethood, and his pivotal role in shaping the nascent Muslim community. Through examining key events and teachings, students will gain a comprehensive understanding of the Prophet's character, leadership, and enduring influence on Islamic civilization.

Course Objectives

By the end of this course, students will be able to:

1. Understand the historical and cultural context of Pre-Islamic Arabia.
2. Analyze the early life and mission of Prophet Muhammad (S.A.W).
3. Examine the major events during the Prophet's life, including battles, treaties, and migrations.
4. Discuss the socio-economic and political developments in Medina under the Prophet's leadership.
5. Evaluate the significance of the Prophet's teachings and their impact on the spread of Islam.
6. Reflect on the legacy of the Prophet Muhammad (S.A.W) and its relevance to contemporary Muslim societies.

Course Outcomes

Upon successful completion of this course, students will be able to:

1. Critically assess the conditions of Pre-Islamic Arabia and their influence on the emergence of Islam.
2. Articulate key aspects of the Prophet Muhammad's (S.A.W) life and mission.
3. Identify and analyze significant events and figures in early Islamic history.
4. Explain the Prophet's strategies in establishing and consolidating the Muslim community in Medina.
5. Discuss the lasting impact of the Prophet's teachings on Islamic law, society, and culture.
6. Reflect on the Prophet's legacy and its importance for modern Muslim identity and practice.

Course Contents

Week 1: Introduction to Seerat un Nabi

- Importance of studying the life of Prophet Muhammad (S.A.W)
- Sources of Seerah: Quran, Hadith, Sirah literature

Week 2: Pre-Islamic Arabia

- Geographical landscape of Arabia
- Socio-economic and religious conditions in Pre-Islamic Arabia
- Tribal system and major tribes of Hijaz

Week 3: Early Life of the Prophet (S.A.W)

- Birth and lineage of the Prophet
- Childhood and youth in Mecca

Week 4: Early Life Continued

- The Prophet's first marriage and family life

Week 5: Declaration of Prophethood

- The first revelation and its impact
- Early converts to Islam

Week 6: Initial Opposition and Persecution

- Opposition by the Quraysh
- Persecution of early Muslims

Week 7: Migration (Hijrah)

- Migration to Ethiopia
- The journey to Medina (Hijrah)

Week 8: Establishment in Medina

- Establishment of the Muslim community in Medina
- Socio-economic and cultural conditions in Medina

Week 9: The Medina Period

- The role of the Ansar and the system of 'Brotherhood'
- The Charter of Medina

Week 10: Major Battles and Treaties

- The Battle of Badr
- The Battle of Uhud

Week 11: Major Battles and Treaties Continued

- The Battle of Ahzab (The Trench)
- The Treaty of Hdaybiyyah

Week 12: The Prophetic Diplomacy

- Letters to various rulers
- The Conquest of Makkah

Week 13: The Prophetic Diplomacy Continued

- The Battle of Hunayn and the spread of Islam in Central Arabia
- The Expedition to Tabuk

Week 14: The Last Years

- The Prophet's first and last Hajj
- The significance of the last sermon

Week 15: The Last Years Continued

- The Prophet's illness and passing

Week 16: Legacy and Achievements

- The socio-political impact of the Prophet's leadership
- The spread of Islam after the Prophet's death
- The compilation of the Quran
- The Prophet's character and his example for Muslims

Suggested Readings

1. "Ar-Raheeq Al-Makhtum (The Sealed Nectar)" by Safi-ur-Rahman al-Mubarakpuri
2. "Sirat-un-Nabi" by Shibli Nomani and Syed Sulaiman Nadvi
3. "Zad al-Ma'ad fi Hadyi Khayr al-'Ibad" by Ibn Qayyim al-Jawziyya
4. "Muhammad: Man and Prophet" by Adil Salahi
5. "Fiqh-us-Seerah: Understanding the Life of Prophet Muhammad" by Muhammad Al-Ghazali
6. "The Life of the Prophet Muhammad" by Ibn Kathir
7. "Al-Sira al-Nabawiyya" by Ibn Hisham

Natural Sciences**Credit Hours: 3(2+1)**

-
- GSC-104 General Science
 - BIO-105 Biology
 - ENV-106 Environmental Science

Course Title: General Science**Credit Hours: 3**

Course code: GSC-104**Introduction**

This course offers a broad overview of general science, covering fundamental concepts across various scientific disciplines. Students will explore the basics of biology, chemistry, physics, and earth science, focusing on topics that impact everyday life. The course is designed to provide a comprehensive understanding of scientific principles, human systems, the environment, and technological applications, equipping students with the knowledge needed to appreciate the role of science in daily life.

Course Objectives

By the end of this course, students will be able to:

1. Understand basic scientific concepts and principles.
2. Explain the structure and functions of human systems.
3. Describe common diseases and their impacts on human health.
4. Understand atomic structure and the properties of matter.
5. Differentiate between chemical and physical properties of substances.
6. Understand the basic principles of force, motion, and energy.
7. Explain environmental concepts and issues.
8. Describe the solar system and the universe.
9. Apply scientific knowledge to everyday technological applications.

Learning Outcomes

Upon successful completion of this course, students will be able to:

1. Describe common diseases.
2. Explain human systems such as digestion, respiration, and reproduction.
3. Describe atomic structure.
4. Differentiate between chemical and physical properties of matter.
5. Explain the environment, force, motion, rocks and their types.
6. Describe solutions and their types.
7. Explain the use of technology in daily life.
8. Explain the solar system.

Course Contents**Week 1: Science Education**

- Introduction to Science Education
- Observation, Hypothesis, Theory, and Law
- Characteristics of Scientific Knowledge

Week 2: Plants and Human Systems

- Root, Shoot, Leaves, Transportation, and Respiration in Plants
- Human Digestive and Respiratory Systems and their Disorders

Week 3: Human Circulatory System

- Structure and Function
- Common Disorders

Week 4: Human Excretory and Reproductive Systems

- Structure and Function
- Common Disorders

Week 5: Immunity and Diseases

- Introduction to Immunity
- Innate, Adaptive, and Passive Immunity

- Mechanism of Antibody Formation
- Ways to Boost Immunity
- Infectious Diseases: Covid-19, Dengue, Hepatitis-B, Typhoid, and their Causes

Week 6: Physical and Chemical Changes

- Introduction to Physical and Chemical Changes
- States of Matter and their Properties

Week 7: Atomic Structure

- Structure of an Atom
- Atomic Number and Mass Number
- Distribution of Electrons in Shells

Week 8: Chemical Bonds and Solutions

- Introduction to Chemical Bonds and Solutions
- Valency, Formation of Ions, Cations, and Anions
- Writing Chemical Formulas and Bonding

Week 9: Solutions and Solubility

- Formation of Solutions
- Dilute and Concentrated Solutions
- Solubility and Factors Affecting Solubility

Week 10: Force and Motion

- Speed, Motion, Force, and Distance
- Contact and Non-Contact Forces

Week 11: Heat and Temperature

- Temperature and Temperature Scales
- Transmission and Conduction of Heat
- Thermal Expansion and its Effects

Week 12: Technology in Everyday Life

- Introduction and Use of Technology in Daily Life
- Water Conservation
- Drip and Sprinkler Irrigation Systems

Week 13: Food Preservation

- Methods of Food Preservation: Canning, Freezing, Drying, Pickling
- Use of Stethoscopes and Sanitizers

Week 14: Earth Science

- Structure of the Earth
- Rock Cycle: Sedimentary, Igneous, and Metamorphic Rocks
- Earthquakes, River Erosion, Oceans

Week 15: Climate and Population

- Climate Change and Global Warming
- Population Changes and their Impact on Earth
- Force of Gravity, Mass, Weight, and SI Units

Week 16: Astronomy

- Revolution of the Earth around the Sun
- Seasons and Constellations
- Overview of the Solar System

Suggested Readings

1. **Agha Khan University Examination Board** (2002). *General Science IX-X* (Based on National Curriculum 2002). Karachi: AGKEB.
 2. **General Science Textbooks for Grades VII, VIII, IX, and X**, Khyber Pakhtunkhwa and Punjab Text Book Boards (Based on National Curriculum 2002).
 3. **Eikenberry, William Lewis** (2008). *The Teaching of General Science*. The University of Chicago Press.
 4. **Harlen, Wymine** (1992). *Teaching of Science*. London: David Falton Publishers.
 5. **Hassard, Jack** (1992). *Minds of Science: Middle and Secondary Methods*. New York: Harper Collins Publishers.
 6. **Martin, Monier** (Ed.) (1995). *Learning to Teach Science*. London: Falmer Press.
-

COURSE TITLE: BIOLOGY

Credit Hours: 3(2+1)

Course code: BIO-105

Introduction

This course serves as an introduction to fundamental concepts in biology, covering topics essential for understanding life at the cellular and organismal levels. Students will explore the principles of biology through the study of cells, genetics, evolution, ecology, and human biology. The course emphasizes both theoretical knowledge and practical applications, providing a solid foundation for further studies in biological sciences.

Course Objectives

By the end of this course, students will be able to:

1. Understand the basic principles and processes governing living organisms.
2. Explain the structure and function of cells and organisms.
3. Describe genetic mechanisms and inheritance patterns.
4. Analyze evolutionary processes and their impact on biodiversity.
5. Explore ecological relationships and environmental interactions.
6. Apply biological knowledge to real-world scenarios and issues.

Learning Outcomes

Upon successful completion of this course, students will be able to:

1. Describe the structure and function of cells and their organelles.
2. Explain principles of genetics and inheritance.
3. Analyze evolutionary theories and mechanisms.
4. Discuss ecological principles and interactions.
5. Apply biological concepts to understand human biology and health.
6. Demonstrate basic laboratory skills in biology.

Course Contents

Week 1-2: Introduction to Biology

- Definition and Scope of Biology
- Characteristics of Living Organisms
- Scientific Method in Biology

Week 3-4: Cell Biology

- Introduction to Cells
- Cell Structure and Function
- Cell Membrane and Transport Mechanisms

- Cell Division: Mitosis and Meiosis

Week 5-6: Genetics

- Mendelian Genetics
- Non-Mendelian Inheritance
- Chromosomal Basis of Inheritance
- DNA Structure and Replication
- Gene Expression and Regulation

Week 7-8: Evolution

- Darwinian Evolution
- Evidence for Evolution: Fossils, Biogeography, Comparative Anatomy
- Mechanisms of Evolution: Natural Selection, Genetic Drift, Gene Flow

Week 9-10: Ecology

- Introduction to Ecology
- Ecosystems and Energy Flow
- Population Ecology
- Community and Ecosystem Ecology

Week 11-12: Human Biology

- Human Anatomy and Physiology
- Homeostasis and Organ Systems
- Human Reproduction and Development
- Diseases and Immunity

Week 13-14: Diversity of Life

- Classification of Organisms
- Kingdoms of Life: Bacteria, Protists, Fungi, Plants, Animals
- Biodiversity and Conservation

Week 15-16: Applied Biology

- Biotechnology and Genetic Engineering
- Applications of Biology in Agriculture, Medicine, and Industry
- Ethical Issues in Biology and Biotechnology

Suggested Readings

1. Campbell, Neil A., and Jane B. Reece. *Biology*. Pearson Education.
2. Solomon, Eldra P., Linda R. Berg, and Diana W. Martin. *Biology*. Cengage Learning.
3. Raven, Peter H., George B. Johnson, and Kenneth A. Mason. *Biology*. McGraw-Hill Education.
4. Sadava, David E., et al. *Life: The Science of Biology*. Sinauer Associates.
5. Freeman, Scott, et al. *Biological Science*. Pearson Education.

Subject Title: Environmental Science

Credit Hours: 3(2+1)

Course Code: ENV-106

Introduction

Environmental Science is a multidisciplinary field that explores the interactions between humans and the natural environment. This course introduces students to the fundamental concepts, historical development, and interdisciplinary nature of Environmental Science. It emphasizes the

importance of environmental sustainability and addresses global, national, and regional environmental challenges.

Objectives

By the end of this course, students will:

1. Understand the basic concepts and historical development of Environmental Science.
2. Recognize the interdisciplinary nature of Environmental Science and its contributions to society.
3. Identify and analyze the relationships between different components of the environment.
4. Evaluate current global, national, and regional environmental issues.
5. Discuss environmental challenges and sustainable development practices.
6. Gain awareness of environmental laws and international protocols.

Learning Outcomes

Upon successful completion of this course, students will be able to:

1. Explain the fundamental concepts and historical evolution of Environmental Science.
2. Describe the interdisciplinary aspects of Environmental Science and its significance in addressing societal challenges.
3. Analyze the relationships between physical, ecological, socio-economic, ethical, and philosophical aspects of the environment.
4. Identify and discuss major environmental components and their interactions.
5. Evaluate global, national, and regional environmental issues and their impact on sustainability.
6. Discuss the implications of population growth, industrialization, urbanization, and agricultural practices on the environment.
7. Recognize the importance of environmental laws and international protocols in environmental management and conservation.

Course Contents (16 Weeks)

Week 1-2: Introduction to Environmental Sciences

- Definition and Scope of Environmental Science
- Basic Concepts and Historical Development
- Interdisciplinary Nature of Environmental Science

Week 3: Nature and Scope of Environmental Science

- Contributions of Environmental Science to Society

Week 4: Different Aspects of Environment

- Physical, Ecological, Socio-economic, Ethical, and Philosophical Aspects

Week 5: Major Components of Environment

- Physio-chemical, Biological, and Social Components

Week 6: Relationships of Environmental Factors

- Interactions among Environmental Factors
- Human Environment and Its Problems

Week 7: Global Environmental Issues

- Global Warming
- Ozone Layer Depletion

Week 8: National Environmental Issues

- Deforestation
- Solid Wastes
- Threatened and Endangered Species

Week 9: Regional Environmental Issues

- Acid Rain
- Salinity
- Soil Erosion
- Eutrophication

Week 10: Environmental Challenges for Sustainable Development

- Overview of Sustainable Development Challenges

Week 11: Population Growth Trends

- Current and Future Trends in Population Growth

Week 12: Environmental Impacts of Development

- Environmental Pollution
- Industrial and Agricultural Development
- Urbanization

Week 13: Poverty and Resource Depletion

- Socio-economic Factors Affecting the Environment

Week 14: Types of Environmental Pollution

- Soil Pollution
- Air Pollution
- Noise Pollution

Week 15: Environmental Laws of Pakistan

- Overview of Environmental Legislation

Week 16: International Environmental Protocols

- Kyoto Protocol
- Cartagena Protocol
- Ramsar Convention
- Presentations and Quizzes

Suggested Readings

1. Botkin, D.B., & Keller, E.A. *Environmental Science: Earth as a Living Planet*. John Wiley & Sons, Latest Edition.
2. McKinney, M.L., Schoch, R.M., & Yonavjak, L. *Environmental Science: Systems and Solutions*. Jones & Bartlett Publishers, Latest Edition.
3. Wright, R.T., & Nebel, B.J. *Environmental Science: Toward a Sustainable Future*. Pearson Education, Latest Edition.
4. Miller, G. *Environmental Science: Working with the Earth*. Thomson Learning, Latest Edition

Social Sciences *

Credit Hours:02

- **Sociology**
 - **Law**
 - **Economics**
 - **Psychology**
-

Course Title: Sociology

Credit Hours: 02

Course code: SOC-107

Introduction

Sociology is a dynamic field that explores the structure, development, and functioning of human societies. It examines how social interactions, institutions, and cultural norms shape individual behaviors and collective outcomes. This course introduces students to the fundamental principles and theories of sociology, providing a foundation to understand societal dynamics and their implications in various contexts, including business and organizational settings.

Objectives

The course aims to equip students with a solid grasp of sociological principles, theories, and concepts. It seeks to familiarize them with the complexities of human behavior within social structures, highlighting the interplay between societal factors and business organizational practices. By exploring these dynamics, students will develop critical thinking skills necessary to analyze and navigate changes in societal structures, preparing them to become informed and responsible future business managers.

Outcomes

Upon completing this course, students will:

- Gain a comprehensive understanding of sociology, including its scope, historical development, and diverse fields of study.
- Develop the ability to analyze how social structures and institutions influence business organizational systems and practices.
- Critically assess changes in societal structures and their implications for business management and decision-making.

Contents:

Week1:	Introduction to Sociology ▪ Definition ▪ Nature and Scope of Sociology ▪ Fields of Sociology ▪ Development of Sociology
Week 2:	Methods of Study ▪ Cross Sectional Study ▪ Longitudinal Study ▪ Laboratory Study ▪ Field Study ▪ Observational Study
Week 3:	Role of Sociologist ▪ As a research Scientist ▪ As a Policy Consultant

- As technician and As Teacher
- Week 4: The Culture**
 - Definition of Culture
 - Cultural Context
 - Culture and Society
 - Social and Cultural Development
 - Biological Factors, Geographical Factors
- Week 5: Prosperities of Culture**
 - Main Categories of Culture
 - Material Culture
-
- Week 6: Social Organization**
 - Non-Material Culture
 - The Family
 - Structure of Family
 - Composition of the Family Group
 - Marriage
 - Different Family System
 - Function of Pakistan Family
- Week 7: Social Institution**
 - Social Structure
 - Simple and Complex Social Structure
 - Inter-relationship with Other Institutions
 - Family. (b) Economy. (c) Religion. (d) Govt. (e) Policies
- Week 8: Religion**
 - Definition
 - Components of Religion
 - Belief, Symbols, Rituals, Sacred Object
 - Functions of Religion
 - Religion of the World
 - Christianity, Judaism
 - Hinduism, Buddhism
 - Confucianism
 - Islam
- Mid Term Examination**
- Week 9: Economic Institutions**
 - Definition of Economic Institution
 - Structure Of Economic Institution
 - Economic System, Division of Labour, Economic Organization, Role of Technology and Govt
 - Institution
- Week 10: Political Institutions**
 - Definition of Political Institution
 - Structure of Political Institution
 - Formal and Informal
 - Main Branches of Govt

- Judiciary, Executives, Legislation
- Week 11: Educational Institutions**
 - Definition of Educational Institutions
 - Structure of Educational Institutions
 - Formal and Informal Education
 - Educational System
- Week 12: Social Mobility**
 - Definition of Mobility
 - Types of Mobility
 - Horizontal Mobility
 - Vertical Mobility
 - Zero Mobility
 - Territorial Mobility/ Geographical
 - Different Factor Favorable to Social Mobility
- Week 13: Social Stratification**
 - Social Class
 - Kinds of Classes
 - General Classification
 - Defined Classes, Cultural Classes, Economic Classes
 - Political Classes, Self-identified Classes and Participation
 - Sociological Classifications
 - Upper Class, Middle Class, Lower Class
- Week 14: Political Economic System**
 - Development Of Political Economic Institutions
 - Political Economic Institutions Patterns
 - Socialism, Capitalism, Mixed Economy, Islamic System
 - Advantages derived by Human Society in General form Islam
- Week 15: Sociology of Pakistan**
 - Characteristics
 - Social Problems
 - Kinds of Social Problems in Pakistan
 - Population Problems
 - Health Problems
- Week 16: Sociology of Pakistan**
 - Educational Problems
 - Woman Development Problems
 - Poverty
 - Rural Urban Migration

Suggested Readings

Books, Periodicals, Magazines and other Articles, Internet and Libraries

1. Kendall, Diana: Sociology in our Times. Wadsworth
2. Henslin, James M. Sociology. Allyn & Bacon (Latest Edition)
3. Brgjar, George J. & Soroka, Michael P. Sociology. Allyn & Bacon (Latest Edition)

Course Name: Law

Credit Hours: 02

Course code: LAW-108

Introduction

This course provides a comprehensive introduction to the legal issues affecting personal life in Pakistan. It covers various aspects of personal law, including family law, inheritance, marriage, divorce, child custody, and human rights. The course aims to provide students with an understanding of the legal frameworks and judicial processes that govern these personal life issues, focusing on the application of Islamic law, statutory law, and case law in Pakistan. Students will explore the historical context, key legislations, and significant court rulings that shape personal law in the country.

Course Objectives

By the end of this course, students will be able to:

1. Understand the basic principles of personal law in Pakistan.
2. Analyze the legal framework governing marriage, divorce, and child custody.
3. Examine the laws related to inheritance and succession in Pakistan.
4. Explore the human rights issues related to personal law.
5. Evaluate significant case law and judicial interpretations of personal law.
6. Develop a critical understanding of the impact of legal regulations on personal life.

Learning Outcomes

Upon successful completion of this course, students will be able to:

1. Articulate the basic principles and sources of personal law in Pakistan.
2. Describe the legal procedures and requirements for marriage, divorce, and child custody.
3. Apply the principles of inheritance and succession to practical scenarios.
4. Identify and analyze key human rights issues related to personal law.
5. Critically assess landmark court decisions and their impact on personal law.
6. Reflect on the interaction between legal regulations and personal life in Pakistani society.

Course Contents

Week 1: Introduction to Law

- Definition and nature of law
- Purpose and functions of law
- Sources of law in Pakistan (Constitution, statutes, Islamic law, customary law)

Week 2: Introduction to Personal Law in Pakistan

- Definition and scope of personal law
- Historical context and sources of personal law in Pakistan

Week 3: Marriage Law

- Legal requirements and procedures for marriage
- Registration of marriage
- Rights and duties of spouses

Week 4: Divorce Law

- Legal grounds for divorce
- Procedures for obtaining a divorce
- Maintenance and alimony

Week 5: Child Custody Law

- Legal principles governing child custody
- Custody arrangements and disputes

- Role of the guardian court

Week 6: Inheritance Law (Part 1)

- Principles of Islamic inheritance law
- Distribution of inheritance under Islamic law

Week 7: Inheritance Law (Part 2)

- Statutory inheritance laws in Pakistan
- Case studies and practical applications

Week 8: Human Rights and Personal Law (Part 1)

- Women's rights in personal law
- Legal protections and challenges

Week 9: Human Rights and Personal Law (Part 2)

- Children's rights in personal law
- Legal protections and challenges

Week 10: Legal Framework for Adoption

- Laws and procedures for adoption
- Rights of adoptive parents and children

Week 11: Guardianship and Custodianship

- Legal principles of guardianship
- Custodianship of minors

Week 12: Domestic Violence Laws

- Legal protections against domestic violence
- Role of the judiciary and law enforcement

Week 13: Legal Issues Related to Dowry and Bridal Gifts

- Legal status of dowry and bridal gifts
- Dispute resolution mechanisms

Week 14: Role of Family Courts

- Structure and jurisdiction of family courts
- Case management and dispute resolution

Week 15: Alternative Dispute Resolution (ADR) in Personal Law

- ADR mechanisms in personal law disputes
- Mediation and arbitration

Week 16: Key Case Law and Judicial Interpretations

- Landmark court decisions in personal law
- Impact of judicial interpretations on legal practice
- Contemporary Issues and Reforms in Personal Law
- Ongoing legal reforms and debates
- Future directions for personal law in Pakistan

Suggested Readings

1. **Mulla, Dinshaw Fardunji:** *Principles of Mahomedan Law*, Lahore: PLD Publishers.
2. **Fyze, Asaf A.A.:** *Outlines of Muhammadan Law*, New Delhi: Oxford University Press.
3. **Niazi, Liaquat Ali Khan:** *Islamic Law of Inheritance*, Lahore: Kausar Brothers.
4. **Siddiqui, Imran Ahsan Nyazee:** *Islamic Jurisprudence*, Islamabad: International Islamic University.
5. **Hameedullah, Muhammad:** *The Muslim Conduct of State*, Lahore: Sh. Muhammad Ashraf.
6. **PLD Publishers:** *Pakistan Family Law Manual*, Lahore: PLD Publishers.

7. **Yusuf, Hamid Khan:** *Constitutional and Political History of Pakistan*, Karachi: Oxford University Press.
 8. **Shah, Niaz A.:** *Women, the Koran and International Human Rights Law: The Experience of Pakistan*, Leiden: Martinus Nijhoff Publishers.
 9. **Quraishi, Asifa:** *Women and Law in Pakistan: Strategies for Reform*, Lahore: Shirkat Gah Women's Resource Centre.
 10. **Zafar, Muhammad Munir:** *The Law of Marriage and Divorce in Pakistan*, Lahore: Pakistan Law House.
-

Course Title: Introduction to Economics

Credit Hours: 02

Course code: ECO-109

Introduction

Economics is a foundational undergraduate course that explores both microeconomics and macroeconomics. This course provides an introduction to essential economic principles, focusing on microeconomic concepts such as supply and demand, market structures, and individual decision-making behavior. It also covers macroeconomic topics including national income, inflation, unemployment, and economic policies. Through this course, students will develop a comprehensive understanding of how economic principles apply to real-world scenarios and policymaking.

Objectives

The objectives of this course are multifaceted:

1. To impart a thorough understanding of introductory microeconomic and macroeconomic theories.
2. To enhance problem-solving skills necessary for analyzing basic economic issues.
3. To foster collaborative teamwork in addressing economic challenges and policy implications.

Learning Outcomes

Upon completion of this course, students should achieve the following learning outcomes:

- Acquire foundational knowledge of microeconomic and macroeconomic terminology and principles crucial for business decision-making.
- Understand the factors influencing individual and aggregate economic behavior within an economy.
- Apply economic tools and theories to evaluate the efficacy and implications of microeconomic and macroeconomic policies.

Week 1: Introduction to Economics

- Definition, scope, and importance of Economics
- Microeconomics vs. Macroeconomics
- Concepts of Scarcity, Choice, and Opportunity Cost

Week 2: Consumer Behavior

- Cardinal and Ordinal utility approaches
- Concepts of demand and supply
- Laws of demand and supply
- Market equilibrium and its determinants

Week 3: Elasticity

- Concept of elasticity

- Price elasticity of demand
- Income elasticity of demand
- Cross Elasticity of Demand
- Price elasticity of supply
- Applications of elasticity in decision-making

Week 4: National Income

- Definition and concepts of national income
- Measures of national income: GDP and GNP
- GDP at factor cost and market prices
- Computation of national income: Product, Income, and Expenditure approaches

Week 5: National Income (Continued)

- Circular flow of income
- Nominal vs Real income, Per capita income, and standard of living

Week 6: Public Finance and Taxation

- Sources of public revenue
- Types of taxes: Direct and Indirect taxes
- Income and Commodity taxes
- Non-tax revenues
- Major heads of public expenditure

Week 7: Public Finance and Taxation (Continued)

- Revenue and Capital account
- Concept of budget deficits, deficit financing, and Fiscal policy

Week 8: Macroeconomic Issues

- Concept of inflation and types
- Causes and consequences of inflation

Week 9: Macroeconomic Issues (Continued)

- Unemployment types and causes

Week 10: Macroeconomic Issues (Continued)

- Balance of payments: meaning and components

Week 11: Monetary Policy

- Meaning, objectives, and tools of Monetary Policy

Week 12: Fiscal Policy

- Meaning, objectives, and tools of Fiscal Policy

Week 13: Application of Economic Policies

- Analyzing the effectiveness of Monetary and Fiscal policies

Week 14: Review and Application

- Case studies and discussions on economic policies

Week 15: Current Economic Issues

- Discussion on contemporary economic challenges

Week 16: Final Review and Assessment

- Preparation for final exam
- Presentation and quizzes

Suggested Readings

- Michel Parkin. 2004. Economics, 5th Ed., Addison Wesley.
- Paul A. Samuelson and W.D. Nordhaus. 2004. Economics, 18th Ed., McGraw Hills, Inc.
- John Sloman, Economics (Latest edition).

- Lipsey and Crystal, Economics (Latest edition)
-

Course Title: Introduction to Psychology

Credit Hours: 02

Course code: PSY-110

Course Description

The course introduces undergraduate students to some of the main concerns in Psychology. The class discussions will centre on broad topics of Psychology: Nature and Application of Psychology, Methods of Psychology, Biological Basis of Behavior, Sensation, Perception and Attention, Motives, Emotions, Learning, Memory, Thinking and Individual differences. The students will thus be given introductory overview of different areas of Marketing beginning with basic concepts.

COURSE OBJECTIVES

Describe psychology with major areas in the field, and identify the parameters of this discipline. Distinguish between the major perspectives on human thought and behavior. Appreciate the variety of ways psychological data are gathered and evaluated. Gain insight into human behavior and into one's own personality or personal relationships. Explore the ways that psychological theories are used to describe, understand, predict, and control or modify behavior.

COURSE LEARNING OUTCOMES

At the end of course the students will be able

- To have the ability to understand main topics related to Psychology.
- To have the ability to understand the basic principles of Psychology
- Students will be given opportunity to participate actively in class discussions

COURSE CONTENTS	
Week 1	1. Introduction to Psychology - Nature & Application of Psychology with special reference to Pakistan. - Historical Background and Schools of Psychology (A Brief Survey)
Week 2	2. Methods of Psychology - Observation - Case History Method Experimental Method - Survey Method - Interviewing Techniques
Week 3 & 4	3. Biological Basis of Behavior - Neuron: Structure and Functions - Central Nervous System and Peripheral Nervous System - Endocrine Glands
Week 5	4. Sensation, Perception and Attention Sensation (I) Characteristics and Major Functions of Different Sensations

COURSE CONTENTS	
	(II) Vision: Structure and functions of the Eye. (III) Audition: Structure and functions of the Ear.
Week 6	b. Perception (I) Nature of Perception (II) Factors of Perception: Subjective, Objective and Social (III) Kinds of Perception: (IV) Spatial Perception (Perception of Depth and Distance) (V) Temporal Perception; Auditory Perception.
Week 7	c. Attention (I) Factors, Subjective and Objective (II) Span of Attention (III) Fluctuation of Attention (IV) Distraction of Attention (Causes and Control)
Week 8	5. Motives a. Definition and Nature b. Classification i. Primary(Biogenic) Motives: Hunger, Thirst, Defecation and Urination, Fatigue, Sleep, Pain, Temperature, Regulation, Maternal Behavior, Sex
Week 9	ii. Secondary (Sociogenic) Motives: Play and Manipulation, Exploration and Curiosity, Affiliation, Achievement and Power, Competition, Cooperation, Social Approval and Self Actualization.
Week 10	6. Emotions a. Definition and Nature b. Physiological changes during Emotions (Neural, Cardial, Visceral, Glandular), Galvanic Skin Response; Pupillometrics
Week 11	c. Theories of Emotion d. James Lange Theory; Cannon-Bard Theory e. Schechter –Singer Theory
Week 12	7. Learning a. Definition of Learning b. Types of Learning: Classical and Operant Conditioning Methods of Learning: Trial and Error; Learning by Insight; Observational Learning
Week 13	8. Memory a. Definition and Nature b. Memory Processes: Retention, Recall and Recognition c. Forgetting: Nature and Causes
Week 14	9. Thinking a. Definition and Nature b. Tools of Thinking: Imagery; Language; Concepts

COURSE CONTENTS	
Week 15	c. Kinds of Thinking d. Problem Solving; Decision Making; Reasoning
Week 16	10. Individual differences a. Definition concepts of Intelligence, personality, aptitude, achievement

TEACHING METHODOLOGY:

- Lectures
- In Class Activities
- Written Assignments

ASSESSMENT:

- **Mid Term Evaluation: 20%** (Mid Term Examination)
- **Final Examination: 60%** (Final Term Examination)
- **Quizzes, Assignments and Presentations: 20%**
 - Twenty percent marks should be distributed between Quizzes (5%), Assignments (5%) and Presentations (10%).

TEXTS AND REFERENCE BOOKS

- Atkinson R. C., & Smith E. E. (2000). Introduction to psychology (13th ed.). Harcourt Brace College Publishers.
- Fernald ,L. D., & Fernald, P.S. (2005). Introduction to psychology. USA:WMC Brown Publishers.
- Glassman, W. E. (2000). Approaches to psychology. Open University Press. Hayes, N. (2000). Foundation of Psychology (3rd ed.).
- Thomson Learning. Lahey, B. B. (2004). Psychology: An Introduction (8th ed.). McGraw-Hill Companies, Inc.
- Leahey, T. H. (1992). A History of Psychology: Main Currents in Psychological Thought. New Jersey: Prentice-Hall International, Inc.
- Myers, D. G. (1992).Psychology. (3rd ed.). New York: Wadsworth Publishers.
- Ormord, J. E. (1995). Educational psychology: Developing learners. Prentice- Hall, Inc.

Gen-Ed-4: Functional English

Credit Hours: 03

Course Title: Functional English

Credit Hours: 03

Course code: ENG-111

Introduction

English is designed for undergraduate students pursuing BS or Associate Degrees in Pakistan. This course integrates grammar, vocabulary, reading, writing, listening, and speaking skills to enhance effective communication in English for academic and professional settings.

Objectives

By the end of the course, students will:

1. Demonstrate proficiency in basic English grammar rules and structures.
2. Expand their vocabulary and apply it effectively in written and spoken communication.
3. Develop critical reading skills to comprehend and analyze various texts.
4. Write coherent paragraphs and essays using appropriate grammar and vocabulary.
5. Speak confidently in English across different academic and professional contexts.
- 6.

Learning Outcomes

Upon completion of ENG 101, students will be able to:

- Use correct grammar structures and apply them accurately in writing and speaking.
- Effectively expand their vocabulary for improved communication.
- Analyze and interpret texts critically for enhanced comprehension.
- Produce clear and well-structured written work, including paragraphs and essays.
- Engage confidently in oral communication, including discussions and presentations.

Course Contents

Week 1-2: Introductions and Basic Communication

- Making introductions
- Expressing requests and enquiries
- Grammar focus: First-person and second-person pronouns, descriptive adjectives, simple and present continuous tenses, use of modals (can, could, would, will), conditional structures.

Week 3-4: Social Interaction and Polite Expressions

- Greetings, gratitude, invitations, regrets
- Grammar focus: Present and past tense, simple and progressive aspects, use of modals (can, could, would), tag questions, prepositions, sentence structure.

Week 5-6: Giving and Following Directions

- Difficulties in following directions and effective oral directions
- Instructional guides
- Grammar focus: Present tense in simple and progressive aspects, using imperatives for instructions, vocabulary related to transitions, clarity of sentence structure.

Week 7-8: Sharing Experiences and Narratives

- Sharing narratives and unique experiences
- Imaginative texts
- Grammar focus: Descriptive and narrative style, reported speech, past tenses, adjective clauses, adverbial clauses.

Week 9-10: Types of Writing

- Descriptive and narrative styles in writing
- Writing mechanics: identifying run-on sentences, sentence fragments, subject-verb agreement, pronoun-reference agreement, tense variation, punctuation.

Week 11-12: Advanced Grammar and Vocabulary

- Advanced grammar structures
- Vocabulary enhancement exercises
- Grammar focus: Complex sentences, advanced verb forms, formal and informal language use.

Week 13-14: Academic Writing Skills

- Academic essays and structured writing
- Research and citation techniques
- Grammar focus: Academic vocabulary, organizing ideas logically, maintaining coherence and cohesion in writing.

Week 15-16: Revision and Final Assessments

- Review of course materials
- Final presentations and quizzes
- Preparation for final examinations

Suggested Readings

1. T. K. Carver and S. Fortinos-Riggs, *Conversation Book II – English in Everyday Life* (Pearson Education Limited, 2006).
 2. A. Seaton and Y. H. Mew, *Complete English Grammar* (Scholastic Education, 2021).
 3. J. Eastwood, *Oxford Practice Grammar* (Oxford University Press, 2005).
 4. J. Swan, *Practical English Usage*, 3rd ed. (Oxford University Press, 2005).
 5. R. Murphy, *English Grammar in Use* (4th Edition) (Cambridge University Press, 2012).
 6. Allama Iqbal Open University, *Compulsory English 1* (Code 1423) (AIOU Press).
-

Course Title: Expository Writing**Credit Hours: 03****Course code: ENG-152****Introduction**

Introduction to Expository Writing is a foundational course designed to develop undergraduate students' proficiency in English writing and reading. The course adopts a Project-Based Learning (PBL) approach, focusing on practical application and active community engagement. Through various activities, students will enhance their critical thinking skills and ability to communicate effectively in both oral and written English.

Objectives

By the conclusion of this subject, students will:

1. Analyze and apply fundamental communication skills in oral and written English.
2. Develop as reflective and self-directed learners capable of evaluating and reviewing various textual genres.
3. Critically assess community-specific challenges and develop analytical and problem-solving skills.
4. Engage intellectually with the stages of the writing process, including brainstorming, drafting, and revision.
5. Cultivate effective collaborative skills through group activities and presentations.

Learning Outcomes

Upon completion of this course, students will be able to:

- Write, edit, and proofread coherent essays in English.
- Deliver engaging presentations that effectively communicate ideas.
- Employ SQW3R strategies to analyze and interpret texts in English.
- Conduct small-scale research and draft reports on community issues.
- Draft persuasive letters addressing communal concerns for publication.

Course Contents**Week 1-2: Introduction to Writing Process and Essay Basics**

- Basics of the writing process
- Steps of essay writing: prewriting activities (brainstorming, listing, clustering, freewriting)
- Essay outlining techniques

Week 3-4: Personalized Learning and Reflective Practices

- Reflecting on the writing process
- Learning styles and personalized learning plans
- Goal setting and creating a learning plan

- Introduction to oral presentations: content selection and slide preparation

Week 5-6: Developing Critical Reading Skills

- Reading from authentic sources (e.g., DAWN newspaper, academic texts)
- Reading strategies: skimming, scanning, SQW3R, annotating, note-taking
- Analyzing and summarizing texts
- Writing model review reports and annotated bibliographies

Week 7-8: Community Engagement and Research

- Viewing documentaries on global issues
- Brainstorming local vs. global community issues
- Introducing research assignments: identifying research problems and questions
- Drafting interview or survey questions for community research

Week 9-10: Conducting Community Research

- Role-playing interviews with community members
- Analyzing interview data
- Drafting research reports and outlining findings
- Peer feedback and revision process

Week 11-12: Project Development and Report Writing

- Group work on report outlines and detailed research plans
- Analyzing data and translating findings into English
- Oral presentations on research findings
- Reflective writing on the research experience

Week 13-14: Letter to the Editor

- Genre instruction: types of letters and their structures
- Analyzing sample letters to the editor
- Drafting letters on community issues
- Peer review and revision process

Week 15-16: Final Draft and Publication Preparation

- Finalizing drafts: revision, proofreading, and editing
- Discussing publication criteria for letters to the editor
- Reflecting on the writing process and final presentations

Suggested Readings

1. Lunsford, A. A., Matsuda, P. K., & Tardy, C. M. (2016). *The Everyday Writer*. Bedford/St. Martin's.

2. Alicia, J. (2020). *Step by Step Guide for Writing Short Essays*.
 3. Baily, Stephan (2011). *Academic Writing: A Handbook For International Students* (3rd Ed.).
 4. Ross, Neil (2009). *Make Your Next Presentation Remarkable*.
 5. Hall, B., & Wallace, E. (2018). *College ESL Writers: Applied Grammar and Composing Strategies for Success*.
 6. Himmelsbach, V. (2020). *Personalized Learning: The Ultimate Guide*. Trends in Higher Education.
-

Course Title: Basic Mathematics

Credit Hours: 03

Course code: MAT-153

Introduction

Basic Mathematics is designed to equip students with essential quantitative reasoning skills necessary for understanding and solving real-world problems. These skills are vital in the 21st century, helping individuals navigate socio-economic, political, health, and educational issues they encounter daily. This course aims to develop a positive attitude towards mathematics, enhance QR abilities, and apply these skills in practical and professional contexts.

Objectives

By the end of this course, students will:

1. Understand fundamental mathematical concepts and their applications.
2. Recognize the importance of quantitative reasoning in modern society.
3. Develop logical approaches to solving numerical problems.
4. Appreciate the intellectual beauty of quantitative reasoning.
5. Apply quantitative reasoning skills to practical problems in daily life and professional settings.

Learning Outcomes

Upon completing this course, students will be able to:

- Perform basic arithmetic operations and understand the number system.
- Convert units and calculate dimensions, areas, perimeters, and volumes.
- Apply rates, ratios, proportions, and percentages to solve problems.
- Understand and apply basic geometric concepts.
- Use sets, relations, and functions to analyze problems.
- Solve linear and quadratic equations and inequalities both algebraically and graphically.
- Use logical reasoning to solve problems and identify logical fallacies.
- Develop mathematical models to analyze real-world situations.
- Understand and apply concepts of linear and exponential growth and decay.

Basic Mathematics

Week 1: Introduction to Fundamental Mathematical Concepts

- Overview of the number system
- Basic arithmetic operations
- Units and their conversions

Week 2: Dimensions and Calculations

- Area, perimeter, and volume calculations
- Practical exercises

Week 3: Rates, Ratios, and Proportions

- Understanding and applying rates, ratios, and proportions
- Problem-solving exercises

Week 4: Percentages and Their Applications

- Calculating percentages
- Applications in various contexts

Week 5: Basics of Geometry

- Lines, angles, circles, and polygons
- Practical applications

Week 6: Sets and Their Operations

- Introduction to sets
- Operations on sets

Week 7: Relations and Functions

- Understanding relations and functions
- Graphical representation

Week 8: Exponents and Algebraic Expressions

- Working with exponents
- Factoring and simplifying expressions

Week 9: Solving Linear Equations

- Algebraic and graphical solutions of linear equations
- Practical problem-solving

Week 10: Quadratic Equations and Inequalities

- Solving quadratic equations and inequalities
- Graphical solutions

Week 11: Introduction to Logic and Reasoning

- Importance of logic
- Inductive, deductive, and abductive reasoning

Week 12: Propositions and Arguments

- Propositions, arguments, and logical connectives
- Truth tables and propositional equivalences

Week 13: Logical Fallacies and Venn Diagrams

- Identifying logical fallacies
- Using Venn Diagrams

Week 14: Predicates and Quantifiers

- Introduction to predicates and quantifiers
- Logical reasoning exercises

Week 15: Mathematical Modeling

- Deterministic models
- Linear functions for real-world modeling

Week 16: Growth Models and Course Review

- Linear and exponential growth and decay models
- Review of key concepts and applications

Suggested Readings

1. Bennett, J. O., Briggs, W. L., & Badalamenti. *Using and Understanding Mathematics: A Quantitative Reasoning Approach*.
 2. Rosen, Kenneth H. *Discrete Mathematics and its Applications*.
 3. Epp, Susanna S. *Discrete Mathematics with Applications*.
 4. Budnick, Frank S. *Applied Mathematics for Business, Economics, and Social Sciences*.
 5. Bluman, Allan. *Elementary Statistics: A Step by Step Approach*.
 6. Mann, Prem S. *Introductory Statistics*.
 7. Babones, Salvatore. *Applied Statistical Modeling*.
 8. Green, Sharvon Weiner, & Wolf, Ira K. *Barron's SAT*.
-

Course Title: Basic Statistics

Credit Hours: 03

Course code: STA-154

Introduction

This course is designed to further enhance the quantitative reasoning skills acquired previously. Students will be introduced to advanced tools necessary for navigating the fast-paced 21st century, emphasizing the importance of mathematical skills in professional settings, social, and natural sciences. These skills will enable students to actively engage in national and international issues such as political and health matters. The course aims to equip students with the ability to apply quantitative reasoning tools efficiently in both their professional and daily life activities, facilitating a better understanding of information presented in numeric, graphical, tabular, and functional forms.

Objectives

By the end of this course, students will:

- Understand and apply advanced quantitative reasoning concepts to practical scenarios.
- Enhance their ability to logically address situations involving quantitative reasoning in their daily lives.
- Analyze and interpret various forms of data encountered in professional, social, and natural sciences.
- Understand and apply functions and probability in different disciplines.
- Utilize quantitative reasoning skills in other academic and professional fields.
- Develop a solid foundation for solving practical life problems using quantitative reasoning.

Learning Outcomes

Upon completing this course, students will be able to:

- Analyze types and sources of data using appropriate measurement scales.
- Present data effectively in tabular and graphical formats.
- Apply quantitative reasoning exercises using numerical knowledge.

- Understand and calculate measures of central tendency and dispersion.
- Apply rules of counting, basic probability theory, and random variables.
- Develop statistical models and perform analyses.
- Interpret bivariate analysis, scatter plots, and simple linear regression models.
- Estimate confidence intervals and conduct hypothesis testing.
- Use statistical inference in decision-making processes.

Course Contents

Week 1: Introduction to Types and Sources of Data

- Types and sources of data
- Measurement scales

Week 2: Data Presentation Techniques

- Tabular presentation of data
- Graphical presentation of data

Week 3: Quantitative Reasoning Exercises Using Numerical Knowledge

- Practical exercises and applications

Week 4: Population and Sample

- Concepts of population and sample
- Practical examples

Week 5: Measures of Central Tendency

- Mean, median, and mode
- Application in real-world scenarios

Week 6: Measures of Dispersion

- Range, variance, and standard deviation
- Interpretation of results

Week 7: Data Interpretation

- Analyzing and interpreting data
- Case studies and practical exercises

Week 8: Rules of Counting

- Multiplicative, permutation, and combination rules
- Problem-solving exercises

Week 9: Basic Probability Theory

- Introduction to probability
- Fundamental concepts and applications

Week 10: Introduction to Random Variables and Their Probability Distributions

- Definitions and examples
- Practical applications

Week 11: Quantitative Reasoning Exercises Using Fundamental Statistical Concepts

- Exercises and case studies

Week 12: Introduction to Probabilistic Models

- Basic concepts and applications
- Real-world examples

Week 13: Bivariate Analysis and Scatter Plots

- Understanding and creating scatter plots
- Bivariate analysis techniques

Week 14: Simple Linear Regression Model and Correlation Analysis

- Developing and analyzing regression models
- Correlation analysis

Week 15: Basics of Estimation and Confidence Interval

- Estimation techniques
- Calculating and interpreting confidence intervals

Week 16: Hypothesis Testing and Statistical Inference

- Conducting z-tests and t-tests
- Applying statistical inference in decision-making

Suggested Readings

1. Bennett, J. O., Briggs, W. L., & Badalamenti, A. (2007). *Using and Understanding Mathematics: A Quantitative Reasoning Approach*.
 2. Bluman, A. (2013). *Elementary Statistics: A Step by Step Approach*.
 3. Mann, P. S. (2010). *Introductory Statistics*.
 4. Babones, S. (2014). *Applied Statistical Modeling*.
 5. Green, S. W., & Wolf, I. K. (2016). *Barron's SAT*.
-

Course Title: Islamic Studies

Credit Hours: 02

Course code: IST-202

Introduction

This course provides an in-depth understanding of the foundational beliefs, practices, historical development, spiritual values, and ethical principles of Islam. Students will explore the basic sources of Islamic law and their application in daily life while identifying and discussing contemporary issues faced by the Muslim world, including social challenges, gender roles, and interfaith interactions.

Course Objectives

By the end of this course, students will be able to:

1. Demonstrate enhanced knowledge of Islamic foundational beliefs, practices, historical development, spiritual values, and ethical principles.
2. Describe the basic sources of Islamic Law and their application in daily life.
3. Identify and discuss contemporary issues being faced by the Muslim world, including social challenges, gender roles, and interfaith interactions.

Learning Outcomes

Upon completing this course, students will be able to:

1. Explain the core beliefs and practices of Islam, including the importance of the Quran, Hadith, and Sunnah.
2. Analyze the life and legacy of the Holy Prophet Muhammad (PBUH) and his diverse roles.
3. Describe the historical development of Islamic civilization and its contributions to world civilization.
4. Understand the fundamental sources and principles of Islamic jurisprudence.

5. Discuss the status and rights of women in Islam and the structure of Muslim families.
6. Evaluate the relevance of Islam in the modern world, addressing issues like globalization, Islamophobia, and interfaith dialogue.

Course Contents

Week 1: Introduction to Islam

- Definition of Islam and its core beliefs
- Introduction to the Holy Quran (revelation and compilation)
- Verses of Surah Al-Hujrat related to Adab Al-Nabi (Verse No.1-18)

Week 2: The Holy Quran

- Verses of Surah Al-Mumanoon related to Characteristics of Faithful (Verse 1-11)
- Verses of Surah al-Furqan related to Social Ethics (Verse No.63-77)

Week 3: Hadith and Sunnah

- Compilation, classification, and significance
- Key theological concepts and themes (Tawhid, Prophethood, Akhirah, etc.)

Week 4: Sirah of the Holy Prophet (PBUH)

- Life and legacy of the Holy Prophet Muhammad (PBUH)
- Diverse roles of the Holy Prophet (PBUH) (as an individual, educator, peacemaker, leader, etc.)

Week 5: Islamic History and Civilization

- World before Islam
- The Rashidun Caliphate and the expansion of Islamic rule

Week 6: Contributions to Civilization

- Contributions of Muslim scientists and philosophers in shaping world civilization

Week 7: Islamic Jurisprudence (Fiqh)

- Fundamental sources of Islamic jurisprudence
- Pillars of Islam and their significance

Week 8: Major Schools of Islamic Jurisprudence

- Overview of the major schools
- Significance and principles of Ijtihad

Week 9: Family and Society in Islam

- Status and rights of women in Islamic teachings
- Marriage, family, and gender roles in Muslim society

Week 10: Family Structure and Values

- Family structure and values in Muslim society

Week 11: Islam and the Modern World

- Relevance of Islam in the modern world (globalization, challenges, and prospects)
- Islamic viewpoint towards socio-cultural and technological changes

Week 12: Contemporary Issues in Islam

- Islamophobia, interfaith dialogue, and multiculturalism

Week 13: Ethical Principles in Islam

- Ethical principles in Islam and their application in daily life

Week 14: Social Justice in Islam

- Islamic perspectives on social justice and equity

Week 15: Gender Roles in Islam

- Understanding gender roles and rights in Islamic teachings

Week 16: Course Review and Final Reflections

- Review of key concepts and themes
- Discussion and reflections on course learning outcomes

Suggested Readings

1. Muhammad Mustafa Al-Azami. *The Five Pillars of Islam: A Journey Through the Divine Acts of Worship*.
 2. Musharraf Hussain. *The Five Pillars of Islam: A Framework for Islamic Values and Character Building*.
 3. Abul A'la Mawdudi. *Towards Understanding Islam*.
 4. Khurshid Ahmad. *Islami Nazria e Hayat*.
 5. John Renard. *An Introduction to Islamic Theology*.
 6. Abul A'la Mawdudi. *Islamic Civilization Foundations Belief & Principles*.
 7. Dr. Anis Ahmad. *Women and Social Justice: An Islamic Paradigm*.
 8. Khurshid Ahmad. *Islam: Its Meaning and Message*.
-

Course Title: Ethics

Credit Hours: 02

Course code: ETH-203

Introduction

This course is designed for students to explore the study of ethical behavior, particularly for non-Muslim students in lieu of Islamic Studies. The objective is to understand various concepts of ethics, their importance in different aspects of life, ethical teachings and values in various religions, and the concepts of virtue, evil, and attitudes toward other religions.

Learning Outcomes

By the end of this course, students will be able to:

1. Define and distinguish different concepts of ethics, both ancient and contemporary.
2. Explain the significance of ethics in individual, family, social, economic, and political life.
3. Compare and contrast the ethical teachings and values in different religions.
4. Discuss the ethical values such as truthfulness, trustworthiness, service to humanity, tolerance, and justice.
5. Understand the concepts of virtue and evil in different religions.
6. Evaluate the concept of "Flah" and attitudes towards other religions.

Week-by-Week Course Contents

Week 1: Introduction to Ethics

- Definition of Ethics
- Overview of ancient and contemporary concepts of ethics

Week 2: Types of Ethics

- Good Ethics
- Bad Ethics

Week 3: Importance of Ethics in Individual Life

- Role and significance of ethics in personal behavior and decision-making

Week 4: Importance of Ethics in Family Life

- Ethical behavior within the family context and its impact

Week 5: Importance of Ethics in Social Life

- How ethics shape social interactions and community life

Week 6: Importance of Ethics in Economic Life

- Ethical considerations in economic activities and business practices

Week 7: Importance of Ethics in Politics

- The role of ethics in political life and governance

Week 8: Ethical Teachings in Hinduism and Buddhism

- Core ethical teachings and values in Hinduism and Buddhism

Week 9: Ethical Teachings in Zoroastrianism and Christianity

- Core ethical teachings and values in Zoroastrianism and Christianity

Week 10: Ethical Teachings in Judaism and Sikhism

- Core ethical teachings and values in Judaism and Sikhism

Week 11: Ethical Teachings in Islam

- Core ethical teachings and values in Islam

Week 12: Ethical Values Across Religions: Part 1

- Truthfulness
- Trustworthiness
- Service to Humanity

Week 13: Ethical Values Across Religions: Part 2

- Tolerance and Endurance
- Respect for others
- Cooperation, Mutual Help, and Selflessness

Week 14: Ethical Values Across Religions: Part 3

- Justice (Social and Economic Justice)
- Equality

Week 15: Concept of Virtue and Evil in Different Religions

- Examination of how different religions view virtue and evil

Week 16: Concept of "Flah" and Attitude towards Other Religions

- Understanding "Flah" in different religions
- Attitudes towards other religions and promoting interfaith harmony

Suggested Readings

1. J.S. Mackenzie, *A Manual of Ethics*
 2. Harold H. Titus, *Ethics for Today*
 3. Dar, *Quranic Ethics*
 4. Hameedullah, Dr., *Introduction to Islam*
 5. Ameer Ali Syed, *The Spirit of Islam*
-

Course Title: Ideology and Constitution of Pakistan

Credit Hours: 02

Course code: ICP-204

Introduction

This course is designed to provide students with a fundamental exploration of the ideology and the constitution of Pakistan. It focuses on the underlying principles, beliefs, and aspirations that have been instrumental in shaping the creation and development of Pakistan as a sovereign state. Moreover, the course will enable students to understand the core provisions of the Constitution of the Islamic Republic of Pakistan concerning the fundamental rights and responsibilities of Pakistan's citizens, enabling them to function in a socially responsible manner.

Course Objectives

- To introduce students to the basis of the ideology of Pakistan, emphasizing the contributions of the founding fathers.
- To provide fundamental knowledge about the Constitution of Pakistan 1973 and its evolution, with a focus on the state structure.
- To explain the guiding principles on the rights and responsibilities of Pakistan's citizens as enshrined in the Constitution of Pakistan 1973.

Course Learning Outcomes

By the end of this course, students will be able to:

1. Demonstrate enhanced knowledge of the basis of the ideology of Pakistan with special reference to the contribution of the founding fathers.
2. Demonstrate fundamental knowledge about the Constitution of Pakistan 1973 and its evolution with special reference to the state structure.
3. Explain the guiding principles on the rights and responsibilities of Pakistan's citizens as enshrined in the Constitution of Pakistan 1973.

Week-by-Week Course Contents

Week 1: Introduction to the Ideology of Pakistan

- Definition and significance of ideology.
- Historical context of the creation of Pakistan (socio-political, religious, and cultural dynamics of British India between 1857 and 1947).

Week 2: Contributions of Founding Fathers in the Freedom Movement

- Focus on Allama Muhammad Iqbal, Muhammad Ali Jinnah, and others.
- Contributions of women and students in the freedom movement for a separate homeland for Muslims of British India.

Week 3: Evolution of the Two-Nation Theory

- Urdu-Hindi controversy, partition of Bengal, Simla Deputation 1906, Allama Iqbal's Presidential Address 1930, Congress Ministries 1937, Lahore Resolution 1940.

Week 4: Role of Communalism and Religious Differences

- Understanding the impact of communalism and religious differences on the Two-Nation Theory.

Week 5: Introduction to the Constitution of Pakistan

- Definition and importance of a constitution.
- Ideological factors that shaped the constitution of Pakistan (Objectives Resolution 1949).

Week 6: Overview of Constitutional Developments in Pakistan

- Historical evolution and key developments in Pakistan's constitutional history.

Week 7: Structure of Government

- Executive, Legislature, and Judiciary.

Week 8: Distribution of Powers between Federal and Provincial Governments

- Understanding the distribution of powers and the impact of federalism.

Week 9: 18th Amendment and its Impact on Federalism

- Detailed analysis of the 18th Amendment.

Week 10: Fundamental Rights Guaranteed by the Constitution of Pakistan 1973

- Articles 8-28, focusing on individual rights.

Week 11: Principles of Policy

- Articles 29-40, focusing on the guiding principles of policy.

Week 12: Responsibilities of the Citizens of Pakistan

- Article 5, focusing on the responsibilities of Pakistani citizens.

Week 13: Procedures for Amending the Constitution

- Understanding the amendment process.

Week 14: Notable Constitutional Amendments and Their Implications

- Examination of key amendments and their impacts on the political and legal landscape.

Week 15: Review and Integration of Course Content

- Integrative review of course content and preparation for final assessment.

Week 16: Final Assessment and Course Wrap-Up

- Final examination and course wrap-up activities.

Suggested Readings

1. "The Idea of Pakistan" by Stephen P. Cohen.
 2. "Ideology of Pakistan" by Javed Iqbal.
 3. "The Struggle for Pakistan" by I.H. Qureshi.
 4. "Pakistan the Formative Phase" by Khalid Bin Sayeed.
 5. "Ideology of Pakistan" by Sharif-ul-Mujahid.
 6. "Pakistan: A New History" by Ian Talbot.
 7. "The Constitution of Pakistan 1973" (Original text).
 8. "Constitutional Development in Pakistan" by G.W. Choudhury.
 9. "Constitutional and Political Development of Pakistan" by Hamid Khan.
-
-

Course Title: Entrepreneurship

Credit Hours: 2

Course code: ENT-252

Introduction

This course is designed to promote entrepreneurial spirit and outlook among students, encouraging them to think critically, identify opportunities, and transform their ideas into successful ventures. It aims to impart the requisite knowledge, skills, and abilities to seize identified opportunities, initiate ventures, and successfully navigate the challenges that come with starting and managing a business. Topics covered include business setup, market research, opportunity identification, business planning, financial literacy, marketing and sales, team building, and innovation.

Course Objectives

- To instill a fundamental understanding of entrepreneurial concepts, skills, and processes.
- To enhance knowledge of personal, social, and financial aspects associated with entrepreneurial activities.
- To provide a basic understanding of regulatory requirements for setting up an enterprise in Pakistan, with an emphasis on export businesses.
- To enable students to develop a feasible business plan by applying the knowledge, skills, and competencies acquired in the course.

Course Learning Outcomes

By the end of this course, students will be able to:

1. Demonstrate knowledge of fundamental entrepreneurial concepts, skills, and processes.
2. Understand the different personal, social, and financial aspects of entrepreneurial activities.

3. Have a basic understanding of regulatory requirements to set up an enterprise in Pakistan, especially export businesses.
4. Apply acquired knowledge, skills, and competencies to develop a feasible business plan.

Course Contents

Week 1-2: Introduction to Entrepreneurship

- Definition and concept of entrepreneurship
- Why become an entrepreneur?
- Entrepreneurial process
- Role of entrepreneurship in economic development

Week 3-4: Entrepreneurial Skills

- Characteristics and qualities of successful entrepreneurs (including stories of successes and failures)
- Essential entrepreneurial skills: creative and critical thinking, innovation, risk-taking

Week 5: Opportunity Recognition and Idea Generation

- Opportunity identification, evaluation, and exploitation
- Innovative idea generation techniques for entrepreneurial ventures

Week 6-8: Marketing and Sales

- Target market identification and segmentation
- The Four P's of Marketing
- Developing a marketing strategy
- Branding

Week 9: Mid-term Examination

Week 10-12: Financial Literacy

- Basic concepts of income, savings, and investments
- Basic concepts of assets, liabilities, and equity
- Basic concepts of revenue and expenses
- Overview of cash flows
- Overview of banking products, including Islamic modes of financing
- Sources of funding for startups (angel financing, debt financing, equity financing)

Week 13: Team Building for Startups

- Characteristics and features of effective teams
- Team building and effective leadership for startups

Week 14-15: Regulatory Requirements to Establish Enterprises in Pakistan

- Types of enterprises (sole proprietorship, partnership, private limited companies)
- Intellectual property rights and protection
- Regulatory requirements to register an enterprise in Pakistan, with special emphasis on export firms
- Taxation and financial reporting obligations

Week 16: Presentations

- Students will present comprehensive business plans developed during the course

Week 17: Final-term Examination

Suggested Practical Activities (Optional)

As part of the overall learning requirements, students will be tasked with creating and presenting a comprehensive business plan at the end of the course for a hypothetical or real business idea. This practical exercise will allow them to apply the knowledge, skills, and competencies acquired during the course to develop a feasible business plan.

Suggested Readings

1. Barringer, B. R., & Ireland, R. D. (2020). **"Entrepreneurship: Successfully Launching New Ventures"** (6th ed.). Pearson Education.
2. Kuratko, D. F. (2023). **"Entrepreneurship: Theory, Process, and Practice"** (9th ed.). Cengage Learning.
3. Spinelli, S., & Adams, R. J. (2016). **"New Venture Creation: Entrepreneurship for the 21st Century"**. McGraw-Hill Education.
4. Ries, E. (2017). **"The Lean Startup: How Today's Entrepreneurs Use Continuous Innovation to Create Radically Successful Businesses"**. McGraw-Hill Education.

Course Title: Introduction to Information and Communication Technologies

Credit Hours: 3 (2+1)

Course code: ICT-205

Introduction

This is an introductory course on Information and Communication Technologies (ICT). Designed for students with little or no computer experience, this course introduces ICT and computer concepts, hardware components, basic computer operations, and the use of software applications to solve problems. Students will gain a comprehensive understanding of ICT technologies, personal computers, system and application software such as Windows, Microsoft Office, Internet, WWW, Email, and Social Media applications.

Course Objectives

- To introduce students to the fundamental concepts of ICT and computer operations.
- To familiarize students with the hardware and software components of computer systems.
- To enable students to effectively use various software applications for problem-solving.
- To provide an understanding of computer networks, databases, and internet applications.

- To raise awareness about computer security threats and preventive measures.

Course Learning Outcomes

By the end of this course, students will be able to:

1. Understand the basic concepts of ICT and its applications.
2. Identify and describe the components and functions of computer systems.
3. Demonstrate proficiency in using common software applications like Windows, Microsoft Office, and internet tools.
4. Explain the fundamentals of computer networks and databases.
5. Recognize various computer security threats and implement basic security practices.

Course Contents

Week 1: Introduction to Computers and ICT

- Overview of ICT
- Importance and applications of ICT in modern society
- Basic computer concepts

Week 2: Data and Information

- Definition and types of data
- Conversion of data to information
- Role of data in ICT

Week 3: Applications of Computer and ICT

- Real-world applications of ICT
- ICT in different sectors (education, healthcare, business, etc.)

Week 4: Structure of Computer System

- Input and Output Unit
- Central Processing Unit (CPU)
- Memory (RAM, ROM, Cache)

Week 5: Types of Computers

- Classification of computers
- Examples and uses of different types of computers

Week 6: Input Devices and Output Devices

- Common input devices (keyboard, mouse, scanner, etc.)
- Common output devices (monitor, printer, speakers, etc.)

Week 7: Computer Storage Devices

- Primary storage (RAM, ROM)
- Secondary storage (hard drives, SSDs, external storage)

Week 8: Computer Software

- System software vs. application software
- Examples and uses

Week 9: Operating System and Its Basic Functions

- Definition and role of an operating system
- Basic functions and types of operating systems

Week 10: Introduction to Networking

- Basic concepts of computer networking
- Types of networks (LAN, WAN, MAN, etc.)
- Network elements (routers, switches, modems)

Week 11: Introduction to Database

- Definition and importance of databases
- Characteristics of relational databases

Week 12: Internet Applications

- World Wide Web (WWW)
- Email services and protocols
- Social media applications

Week 13: Computer Security Threats

- Common threats (viruses, worms, malware)
- Basic security practices

Week 14: Number Systems

- Binary, decimal, and hexadecimal systems
- Conversion between different number systems

Week 15-16: Practical Work

- Basics of Windows operating system
- Microsoft Office applications (Word, Excel, PowerPoint, Access)

- Internet and WWW usage
- Email and social media applications

Suggested Readings

1. **"Discovering Computers: Your Interactive Guide to the Digital World"** by Gary B. Shelly and Misty E. Vermaat, Latest Edition.
2. **"Introduction to Computers"** by Peter Norton, Latest Edition (McGraw Hill).
3. **"Using Information Technology: A Practical Introduction to Computer & Communications"** by Williams Sawyer, Latest Edition (McGraw Hill).
4. **"Fundamentals of Information Technology"** by Alexis Leon and Mathews Leon, Latest Edition

Course Title: Civic and Community Engagements

Credit Hours: 2

Course code: CCE-253

Course Description

This course aims to teach students the importance and role of active citizenship in promoting a productive, harmonious, and developed society/world. It educates students about the concepts, skills, and philosophy of community linkages in developing a sustainable society. The course also aims to inculcate the importance of community involvement in ensuring an improved, tolerant, and generative society/world and provides an opportunity for students to develop their relationship with the community.

Course Objectives

- Teach students the importance and role of active citizenship in promoting a productive, harmonious, and developed society/world.
- Educate students about the importance of concepts, skills, and philosophy of community linkages in developing a sustainable society.
- Inculcate the importance of community involvement for ensuring an improved, tolerant, and generative society/world.
- Provide an opportunity for students to develop their relationship with the community.

Learning Outcomes

The primary outcome is inclusive development through active citizenship locally and globally. Moreover, based on the three domains of Bloom's Taxonomy (Affective, Psychomotor, and Cognitive), students will be able to:

- Understand the overall organization of society.
- Recognize and exercise their rights, responsibilities, and the significance of active citizenship in positive societal development.
- Identify and critically evaluate social issues and implement practicable community-based solutions.
- Understand the concept of human rights and its significance.
- Appreciate diverse viewpoints and intercultural harmony.

Course Outline

Week 1-2: Introduction to Citizenship Education and Community Engagement

- Definition, Meaning & History
- Attributes of Active Citizenship
- Dimensions of Active Citizenship
 1. Rights
 2. Membership
 3. Participation
 4. Identity
- Importance of Citizenship Education and Community Engagement

Week 3-4: Different Approaches to Citizenship, Engagement, and Education

- Republican Approach
- Liberal Approach
- Cosmopolitan Approach

Week 5-6: Social Integration through Identity and Self-Formation

- Sociological Theories of Self-Formation
 - Sigmund Freud Theory
 - George Herbert Mead Theory
 - Charles Horton Cooley Theory

Week 7-8: Social Harmony through Acceptance of Social Diversity

- Cultural & Religious Harmony
- Pluralism & Diversity
- Inter-Faith Harmony
- Democracy & Democratic Norms

Week 9: Mid-term Examination

Week 10-11: Conflict Resolution of Local & Global Communities

- Concept of Community
- Needs, Issues & Conflicts
- Conflict Resolution
- Communications & Social Networking
- Social Cohesion
- Social Capital
- Local and Global Conflict Resolution Mechanisms
- Social Entrepreneurship & Partnership

Week 12-13: Community Participation in Project Planning and Management

- Project Cycle
- Community Role in Project Cycle
- Participation, Ownership, Empowerment, and Social Harmony

Week 14: Environmental Sustainability and Community Responsibility

- Importance of environmental sustainability in community development.
- Role of communities in environmental conservation and management.
- Sustainable practices and their impact on community well-being.

Week 15: Global Citizenship and Responsibilities

- Definition and significance of global citizenship.
- Responsibilities of global citizens towards global issues (e.g., poverty, climate change, human rights).
- Case studies of successful global citizenship initiatives

Week 16: Technology and Community Development

- Role of technology in fostering community engagement and development.
- Digital literacy and its impact on community participation.
- Opportunities and challenges of using technology for community outreach and empowerment.

Suggested Readings

1. Larsen, A. K., Sewpaul, V., & Hole, G. O. (Eds.). (2013). **Participation in Community Work: International Perspectives**. Routledge.
2. Alan, T. (2008). **Community Work**. London: Palgrave Macmillan.
3. British Council (2017). **Active Citizen's Social Action Projects Guide**. Scotland: British Council.
4. Kaye, C. B. (2004). **The Complete Guide to Service Learning: Proven, Practical Ways to Engage Students in Civic Responsibility, Academic Curriculum, & Social Action**. Free Spirit Publishing.
5. Hans, R. (1993). **Population Studies**. Indian Council of Social Science Research, New Delhi.
6. Demeny, P., McNicoll, G., & Hodgson, D. (2003). **Encyclopedia of Population**.
7. Peterson, W. (1975). **Population**. New York: Macmillan.

Major (Disciplinary) Courses Bs Archaeology

Semester-I				
Category	Code	Title	Cr.Hrs.	Marks
Compulsory	THQ-101	Teaching of Holy Quran with Translation, Tajweed and Tafseer	Non-Credit	Pass/Fail
Gen-Ed-1	SEN-102	Seerat Un Nabi (PBUH) OR	2	100
	ETB-103	Ethical Behavior (for non-Muslim students)		
Gen-Ed-2*	GSC-104	General Science	3(2+1)	100
	BIO-105	Biology		
	ENV-106	Environmental Science		
	SOC-107	Sociology	2	100
Gen-Ed-3*	LAW-108	Law		
	ECO-109	Introduction to Economics		
	PSY-110	Introduction to Psychology		
Gen-Ed-4	ENG-111	Functional English	3	100
Major	ARC-101	Introduction to Archaeology	3	100
Major	ARC-102	Ancient History of Pakistan and India	3	100
Total			16	

ARC-101	Introduction to Archaeology	Cr. Hr. 03
----------------	------------------------------------	-------------------

Course Introduction & Objectives:

The discipline of Archaeology involves the study of past societies, their practices and behaviors as deduced by the analysis and interpretation of their material remains. This course will provide an introductory exploration of archaeological theory, method, and practice.

Course Outcomes:

- By the end of this course, you should be able to do the following:
- Define archaeology and its relevant role in reconstructing the past.
- Exhibit an understanding of the development of the discipline.
- Demonstrate knowledge about basic archaeological techniques and methods.
- Analyze and critically evaluate archaeological material culture.
- Synthesize archaeological data to make informed and educated interpretations.
- Effectively communicate knowledge about archaeological ethics and contemporary heritage management efforts and organizations

WEEK 1-14:

Module-1: Theory:

- Definitions and Terminologies in Archaeology
- Aims and Objectives of Archaeology
- Brief History and developments of Archaeology
- Relation of Archaeology with Tourism and other subjects
- Field Archaeology (Discovery, Survey, Excavation, Recording, Pottery-yard, Registration, Cataloguing, Publication, Report writing)
- Pakistani Cultures & Civilizations (Indus & Gandhara)

WEEK 15-16:

Module-2: Practical:

- Visit to Archaeological Sites, Monuments and Museums

RECOMMENDED READINGS

1. Agrawal, D.P. Ghosh, A. (eds.), Radiocarbon and Indian Archaeology, Bombay, 1973.
 2. Aitkin, M.J. Science-based Dating in Archaeology, Longman, London, 1990.
 3. Bowman, S.G.E. Radiocarbon Dating, the British Museum publication, London, 1990.
 4. Fagan, B.M. In the Beginning: An Introduction to Archaeology, HarperCollins, 7th ed., 1991.
 5. Hole, F. and Heizer, R.F. Prehistoric Archaeology: A Brief Introduction, New York, 1977.
 6. Joukowsky, M. A. Complete Manual of Field Archaeology, USA, 1980.
 7. Renfrew, C. and Bahn, P. Archaeology: Theories, Methods, and Practice, Thames and Hudson, London, 1991.
-

ARC-102	Ancient History of Pakistan and India	Cr. Hr. 03
---------	---------------------------------------	------------

Course Description:

The course will familiarize the students about the dynastic history and chronological framework of the area now included in Pakistan and India.

Course Outcomes:

After completion the students will be able to understand the ancient history of Indo-Pak from the time of the Aryans to the disintegration of Hindu Shahi rule.

Course Contents:

WEEK 1:

Module – 1: Sources of Ancient History

WEEK 2-16:

Module – 2: Ancient History of Indo Pak

- Vedic Aryans: social, political, economic and religious life
- Achaemenian rule in Pakistan
- Alexander's invasion of Pakistan
- Mauryan dynasty: Administration of Chandragupta Maurya, Ashoka's contributions to Buddhism
- Indo-Greeks
- Indo-Scythians
- Indo-Parthians
- Kushanas: Achievements of Kanishka, Gandhara Art
- Kushano-Sassanians
- Huns
- Hindu Shahis

RECOMMENDED READINGS

1. Abdur Rahman, *The Last two Dynasties of the Śāhis*, Islamabad, 1979.
2. Amjid, Y. *Tareekh-e-Pakistan* (Urdu), Vols. I & II.
3. Bakhshi, S. R. (ed.) *Advanced History of Medieval India* (3vols), New Delhi, Anmol Publishers, 2003.
4. Basham, A. L. *The Wonder that was India*, rpt. India, 1963.
5. *Cambridge History of India*, Vols. II, III & IV.
6. Dani, A.H. *History of Northern Areas of Pakistan*.
7. Dani, A.H. *History of Pakistan: Pakistan through the Ages*, Lahore: Sang-e Meel Publications, 2008.
8. Elliot and Dowson, *The History of India as Told by Its Own Historians*, all Vols, Lahore, 1976 (1st pub. 1867-77).
9. Majumdar, R. C. et.al. *An Advanced History of India*, Part-I, London, 1960.
10. Nasim Khan, M, Errington, E. and Cribb, J. *Coins from Kashmir Smast – New Numismatic Evidence*. Peshawar 2008.

11. Nasim Khan, M. Kharoshti Manuscripts from Gandhara (Rprt.). Peshawar 2009.
12. Nasim Khan, M. The Sacred and the Secular. Investigating the Stupa and Settlement Site of Aziz, Peshawar Valley, Khyber Pukhtoonkhwa (3 vols). Peshawar. 2010.
13. Nasim Khan, M. Treasures from Kashmir Smast – The Earliest Shaivite Monastic Establishment. Peshawar. 2006
14. Qureshi, I. H. (ed.), A Short History of Pakistan, Book One, Karachi, 1967.
15. Riaz ul Islam, *Indo-Persian Relations*, Iranian Culture Foundation, Teheran: 1970.
16. Schmidt, Karl J. An Atlas and Survey of South Asian History.
17. Shastri, N.K. History of India, Part I (Ancient History).
18. Smith, V. A. The Early History of India, from 600 BC to the Muhammad Conquest, Oxford, 1967.
19. Thapar, R. A History of India, vol. 1, Penguin Books, New York, 1979.
20. The Cambridge History of India, Vol. I

Journals:

- Ancient Pakistan XIV-XV
- Journal of the Pakistan Historical Society, Vol. LI, No.3

Semester-II				
Category	Code	Title	Cr.Hrs.	Marks
Compulsory	THQ-151	Teaching of Holy Quran with Translation, Tajveed and Tafseer	Non-Credit	Pass/Fail
Gen-Ed-5	ENG-152	Expository Writing	3	100
Gen-Ed-6	MAT-153	Basic Mathematics	3	100
Gen-Ed-7	STA-154	Basic Statistics	3	100
Gen-Ed-8	FEQ-155	Fehm-e-Quran-I (for Muslim students)	1	100
	ETH-156	Ethics-I for Non-Muslim Students		
Major	ARC-151	Muslim History of South Asia	3	100
Major	ARC-152	Archaeological Heritage of Pakistan	3	100
Total			16	

ARC-151	Muslim History of South Asia	Cr. Hr. 03
---------	------------------------------	------------

Course Description

The course will highlight the early contacts and conquest of South Asia by the Muslim in the eighth century AD. It will help the students to know about the reign of different Muslim dynasties who held sway over the Indo-Pakistan since the Arab period to the disintegration of the Mughal dynasty.

Course Outcomes

On completion, the student would be familiarized with the conquest of different parts of South Asia at the hands of various Muslim invaders, to analyze cultural, political, religious and social conditions of the present-day South Asia.

Course Contents

WEEK 1:

1. Introduction

WEEK 2-6:

2. Arabs

- Early contact
- Political condition and early dynasties of Sindh on the eve of Arab invasion
- Conquests of Balochistan, Sindh, Multan and the Khyber Pakhtunkhwa

- Muslim rule in Baluchistan and Sindh under the Arab Caliphate.

WEEK 7-9:

3. Turks

- Trans Khyber activities of Ghaznavids and the rise and fall of Lahore as a Centre of Muslim State CE 997-1210
- The rise of the Ghaurids and the establishment of Delhi as the capital of Muslim India
- The Delhi Sultanate with Multan, Uchh and Lahore as canters in the west and Awadh and Bengal in the east CE 1150 to 1325.
- Fragmentation and Turbulence CE 1325 to 1425.

WEEK 10-12:

4. Afghans

- Lodhis
- Sikandar Lodhi, his administration and religious policy
- Ibrahim Lodhi and his weaknesses
- End of the Sultanate of Delhi
- Suris
- Sher Shah Suri
- Early life, capture of the throne and conquests; Reforms, administration and public welfare projects; achievements as a ruler; Successors of Sher Shah; End of Suri dynasty.

WEEK 13-14:

5. Mughals and Post Mughals

- Phases of establishment and transition from Sultanate to Badshahat CE 1526 to 1576
- Mughal society, culture and administration CE 1576 to 1707
- Late Mughal phase CE 1707 to 1857.

WEEK 15-16:

6. Provincial Chapter

- Every province will develop its Muslim period history accordingly

RECOMMENDED READINGS

1. Ali, M. *The Court of the Great Mughals*, Lahore, 1986.
2. Amjid, Y. *Tareekh-e-Pakistan* (Urdu), Vols. I & II.
3. Babar, Zahiruddin. *Tuzuk-I Babari (The Memoirs of Babar)*, Eng. Trans. A. S. Beverige, Lahore: Sang-I Meel Publications.

4. Bakhshi, S. R. (ed.) *Advanced History of Medieval India* (3vols), New Delhi, Anmol Publishers, 2003.
5. Barani, Z. *Tarikh-I Feroz Shahi*, Urdu tr. Aftab Asghar, Lahore, 1986.
6. *Cambridge History of India*, Vols. II, III & IV.
7. Dani, A.H. *History of Pakistan: Pakistan through the Ages*, Lahore: Sang-e Meel Publications, 2008.
8. Elliot and Dowson, *The History of India as Told by Its Own Historians*, all Vols, Lahore, 1976 (1st pub. 1867-77).
9. Ikram, S. M. *Muslim rule in India & Pakistan: 711-1858 A.C.* 2nd ed. Star Book Depot, Lahore, 1966.
10. Ikram, S. M. *Aab-I Kausar* (Urdu), Lahore, 1994.
11. Ikram, S. M. *Mauj-I Kausar* (Urdu), Lahore, 1992.
12. Ikram, S. M. *Rud-I Kausar* (Urdu), Lahore, 1988.
13. Majumdar, R.C. (ed) *An Advanced History of India* (Volume 2), 3rd ed. The Mcmillan, Delhi, 1970.
14. Naqvi, H. K. *History of Mughal Government & Administration*, Kanishka Publishing House, Delhi: 1990.
15. Nazim, M. *The Life and Times of Sultan Mahmud of Ghazna*, New Delhi, 1971.
16. Qureshi, I. H., (ed.) *A Short History of Pakistan*, 2nd ed, Karachi University Press, Karachi, 1992.
17. Riazul Islam, *Indo-Persian Relations*, Iranian Culture Foundation, Teheran: 1970.

ARC-152	Archaeological Heritage of Pakistan	Cr. Hr. 03
---------	-------------------------------------	------------

Course Description:

Pakistan is rich in archaeological heritage and home of two major civilizations i.e., Gandhara Civilization and Indus Valley Civilization. This course introduces the students to the heritage sites of different periods i.e., from Stone Age to recent times. During study, they will acquire basic knowledge about all the importance archaeological sites of Pakistan.

Learning Outcomes:

After completion, the student would be able to analyze and explain administrative and cultural boundaries of the present-day Pakistan.

Course Contents:

WEEK 1-3:

Module – 1: Introduction

- Stone age to first agricultural communities

WEEK 4-6:

Module – 2: Urban revolutions

- First Urbanism and its downfall (2600 to 5th century BC)
- Second Urbanism 5th century BC

WEEK 7-9:

Module – 3:

- Religions and their socio-political Role
- Buddhism, Hinduism, Jainism, etc

WEEK 10-13:

Module – 4:

- Establishment of Kingdoms/Empires: regional/ provincial perspective; focus must remain on cities, monuments etc.

WEEK 14-16:

Module – 5:

- Establishment of States: regional/provincial perspective; focus must remain on cities, monuments etc.

RECOMMENDED READINGS

1. Agrawal, D. P. and Chakrabarti, D. K., eds. Essays in Indian Protohistory, Delhi, 1979.
2. Agrawal, D. P. Archaeology of India, Great Britain, 1985.
3. Agrawal, D. P. The Copper-Bronze Age in India, Delhi, 1971.
4. Allchin, B. and Allchin, R. The Birth of Indian Civilization, London, 1968.
5. Allchin, B. and Allchin, R. The Rise of Civilisation in India and Pakistan, Cambridge University Press, 1982.
6. Allchin, F. R. Lewan and the Bannu Basin, Oxford, 1986.
7. Allchin, F. R. Neolithic Cattle-Keepers of South India, Cambridge, 1963.
8. Allchin, F.R., Allchin, B., Durrani, F. A. and Khan, F. Lewan and the Bannu Basin, Great Britain, 1986.
9. Ancient Pakistan, University of Peshawar, (relevant volumes.).
10. Asthana, S. Pre-Harappan Cultures of India and the Borderlands, New Delhi, 1985.
11. Chakrabarti, D. K. The External Trade of the Indus Civilisation, Delhi, 1990.
12. Dales, G. F. and Kenoyer, M. Excavations at Moenjodaro, Pakistan: The Pottery, Pennsylvania, 1986.
13. Dani, A. H. Indus Civilization—New Perspective, Islamabad, 1981.
14. Fairervis, W. A. The Roots of Ancient India, 2nd ed., Chicago, 1975.
15. Fairervis, W. A. The Origin, Character and Decline of an Early Civilization, 1967.
16. Gupta, S. P. Archaeology of Soviet Central Asia and the Indian Borderland, Vols. I & II, Delhi, 1979.
17. Jacobson, J., ed., Studies in the Archaeology of India and Pakistan, New Delhi, 1986.
18. Kenoyer, M. Ancient Cities of the Indus Valley Civilization, Oxford, 1998.
19. Khan, F. A. The Glory that was Harappa, Karachi, n.d.
20. Khan, F. A. Preliminary Report on Kot Diji Excavations 1957-8, Karachi, 1958.
21. Khan, F. A. The Indus Civilization and Early Iran, Karachi, 1964.
22. Khan, F. A. The Kot Diji Culture, Khairpur University, 2002.

23. Lal, B. B. The Earliest Civilization of South Asia, New Delhi, 1997.
24. Mackay, E.J. Further Excavations at Mohenjo Daro, Delhi, 1938.
25. Mackay, E.J. Chanhudaro Excavation 1935-36, New Haven, 1943
26. Masrshall, J. Mohenjo Daro and the Indus Civiisation, London, 1931.
27. Mughal, M. R. Ancient Cholistan, Lahore, 1998.
28. Mughal, R. Present Stage of Research on the Indus Valley Civilisation, Karachi, 1973.
29. Pakistan Archaeology (relevant volumes).
30. Possehl, G., ed., Ancient Cities of the Indus, 1979.
31. Possehl, G., ed., Harappan Civilisation, New Delhi, 1982.
32. Possehl, G., ed Ancient Cities of Indus, New Delhi, 1979.
33. Possehl, G., ed Harappan Civilization: Contemporary Perspective.
34. Possehl, G., ed The Indus Civilisation in Saurashtra, New Delhi, 1980.
35. Basham, A. L. History and Doctrines of the Ajivikas, London, 1951.
36. Bhandarkar, R.G. Vaishnavism, Saivism and Minor Religious Sects, Strassburg, 1915.
37. Conze, E. Buddhism, Its Essence and Development 2nd ed. Oxford, 1953.
38. Davids, R. T. W. Buddhism, Its History and Literature, 2nd ed. London. 1926.
39. Dowson, J. A Classical Dictionary of Hindu Mythology and Religion, 7th ed. London, 1950.
40. Farquhar, J. N. A Primer of Hinduism, London, 1912.
41. Keith, A. B. Buddhist Philosophy in India and Ceylon, Oxford 1923.
42. McGovern, W. N. Manual of Buddhist Philosophy, London, 1923.
43. Stevenson, S. The Heart of Jainism, Oxford, 1915.
44. Thomas, E. J. History of Buddhist Thought, London, 1933.
45. Thomas, E. J. The life of the Buddha as Legend and History, London, 1975.
46. Thomas, E. J. History of Buddhist Thought 2nd ed., London, 195

Semester-III				
Category	Code	Title	Cr.Hrs.	Marks
Compulsory	THQ-201	Teaching of Holy Quran with Translation, Tajveed and Tafseer	Non-Credit	Pass/Fail
Gen-Ed-9*	IST-202	Islamic Studies	2	100
	ETH-203	Ethics (only for non-Muslim students)		
Gen-Ed-10	ICP-204	Ideology and Constitution of Pakistan	2	100
Gen-Ed-11	ICT-205	Applications of Information and Communication Technologies	3(2+1)	100
Major	ARC-201	Cultural Heritage Management	3	100
Major	ARC-202	Stone Age Cultures of Pakistan	3	100
Major	ARC-203	Bronze Age Cultures of Pakistan	3	100
Total			16	

ARC-201	Cultural Heritage Management	Cr. Hr. 03
---------	------------------------------	------------

Course Description:

This course introduces the basic definitions of cultural heritage but focuses mainly on the management of Aboriginal archaeological sites and heritage sites. It also examines the context for the emergence of the preservation movement and the conservation profession: its history, philosophy, and development: issues in professionalism, including the role of professional associations, accreditations and ethical practice: workplace awareness: written and photographic documentation: and computer applications for conservation. Students will be introduced to site survey and assessment procedures and will use problem-based learning techniques to implement different survey designs under a range of different conditions. Real-life hypothetical ‘fieldwork’ will provide students with an opportunity to practice cultural heritage management.

Course Outcomes:

After completion the students will have a sound theoretical formation in the mediation of contemporary issues in Cultural Heritage Management. It will prepare them to be effective leaders and actors in the public arena of cultural heritage management. They will be able to select and apply a variety of methods for evaluating cultural heritage resources. It will also prepare them to professionally design management plans for a specific cultural heritage resource. It will reflect critically on heritage management practices, including their own, and apply the theoretical

formation acquired during the course to practical situations where there is conflict over cultural resources. It will also increase their theoretical knowledge, research skills and practical skills required to develop appropriate depth of understanding of issues in cultural heritage management.

Course Contents:

WEEK 1-2:

Module 1: General Introduction

Definitions, historical background, scope and importance of Cultural Resource Management

WEEK 3-4:

Module 2: Cultural Heritage Management: theories and methods

Provides a theoretical framework and examines issues of evaluation, legislation, sustainability, socio-economic impacts, and communication to foster global responsibility and present integrative approaches to managing heritage.

WEEK 5-6:

Module 3: Cultural Heritage Documentation and Presentation

Deals with the approaches and techniques used for the identification, documentation, interpretation and presentation of cultural heritage sites and materials. The module takes critical approaches to the ideas of heritage and to the interpretation of heritage resources. Site inspections will expose students to contemporary professional practice in the field as well as to the experience of being “heritage consumers”.

WEEK 7-8:

Module 4: Cultural Heritage Planning and Development

Explores practical approaches and methods to heritage development and planning with emphasis on the integration of related disciplines to attain environmentally sound and socially responsible preservation, management and development initiatives.

WEEK 9:

Module 5: The Museums

Covers various modules that deal with the museum philosophy, policy, function, and structure. Topics like code of conduct and professional standards in museums, collection management, museum documentation, and computerization of museum records, exhibition policies, museum environment and its control. Methods and standards in the treatment of museum artifacts are specially emphasized in this module. Role and services are also covered.

WEEK 10:

Module – 6: Preventive Conservation

Covers all aspects of the storage and display of artifacts e.g., museums, disaster plans, monitoring and controlling the storage and display environment, storage materials etc. The module focuses on issues related to preventive conservation such as disaster planning, conservation policies, collections survey, building envelopes and zonation, storage systems, oddy tests, and stable storage materials. Students will take an environmental monitoring project and collection condition survey as part of this course.

WEEK 11:

Module 7: Conservation Projects Management

Looks at collections management and condition surveys, and at the commissioning, planning and management of conservation projects. History of structures, survey techniques and report writing, assessment and diagnosis of structural failure, repair techniques: philosophy and technology, maintenance Programs, environmental control and monitoring, case studies: structural problems in selected building types.

WEEK 12:

Module 8: Information Technology in Heritage Management

Provides the students with the basic theory and principles of various types of information technologies, including database management systems, GIS etc. The course focuses on the application of these techniques in the documentation, conservation and management of cultural heritage.

WEEK 13-14:

Module 9: Special Topics in Cultural Heritage Management & Tourism Resources Management

To be decided by the course instructor subject to the department approval, aims at explaining the main aspects related to managing tourism resources including balancing tourism supply and demand, government tourism administration, role of private sector and NGOs, tourism impacts, human and financial resources, and public awareness.

WEEK 15-16:

Module – 10: Tourism and Local Community

Emphasis is placed on the study and analysis of the interaction processes between local community and the tourism activities in the various cultural, social and economic aspects, as well as the impact of such interaction on the change processes produced by the tourism industry among local people.

RECOMMENDED READINGS

7. *Cultural Heritage Management: A Global Perspective* by Phyllis Mauch Messenger and George S. Smith
8. *Heritage: Management, Interpretation, Identity* by Peter Howard

9. *Cultural Tourism: The Partnership between Tourism and Cultural Heritage Management* by Bob Mekercher and Hilary Du Cros
10. *Risk Preparedness: A Management Manual for World Cultural Heritage* by Herb Stovel
11. *Management Guidelines for World Cultural Heritage Sites* by Bernard M. Feilden and Jukka Jokilehto
12. *Operational Guidelines of the UNESCO World Heritage Committee*
13. Dar, S.R. *Archaeology and Museums in Pakistan*, Lahore, 1977.
14. Dar, S.R. *Museology and Museum Problems in Pakistan*, Lahore 1980.
15. Dar, S.R. *Repositories of our Cultural Heritage: A Handbook of Museums in Pakistan*, Lahore, 1979.

ARC-202	Stone Age Cultures of Pakistan	Cr. Hr. 03
---------	--------------------------------	------------

Course Description:

This course introduces the students to the physical and cultural development of humankind subsisting on food gathering, hunting, and fishing in Stone Age. Humans developed their culture with the passage of time and left fragments of their sociocultural systems in the form of material remains. During the course, students study those assemblages of stone artifacts developed during time in Pakistan.

Learning Outcomes:

After having studied the course, the student would be able to understand the cultural and technological development of the Stone Age people.

Course Contents:

WEEK 1-4:

Module 1:

- Introduction

WEEK 3-6:

Module 2:

- Palaeolithic (Lower, Middle and Late)
- Soan Valley, Sanghao Cave, Rohri Hills

WEEK 7-9:

Module 3:

- Mesolithic
- Thar Desert, Khanpur Cave, Rohri Hills, Bannu, Karachi, Chilas, Jamal Garhi Cave, and Kirthar Range.

WEEK 10-12:

Module 4:

- Neolithic
- Mehrgarh, Jhandi Babar, Kili Gul Muhammad, Gumla, Sheri Khan Tarakai, Sarai Khola and Jalilpur.

WEEK 13-16:

PRACTICAL:

- General Map of the region indicating physical features
- Location of prehistoric sites and monuments on the map
- Identification of characteristic features of various sites/periods
- Visit to sites and monuments in the area
- Report on the above

RECOMMENDED READINGS

1. Agrawal, D. P. *Archaeology of India*, Curzon Press Ltd., London, 1982.
2. Agrawal, D.P. & R.K. Sood, – ‘Ecological factors and the Harappan Civilization’, In Possehl, G.L. (ed.), *Harappan Civilization: A Contemporary Perspective*. Oxford & IBH Publishing Co., New Delhi, Bombay, Calcutta, 1982, pp 223-31.
3. Ahmad, K.S., ‘Climatic Regions of West Pakistan’, *Pakistan Geographical Review*, 6/1, 1951: pp. 1-35.
4. Allchin, R & B. *The Rise of Civilization in India and Pakistan*, UK, 1982.
5. Allchin, B., ‘The Discovery of Paleolithic Sites in the Plains of Sindh and their Implications’, *The Geographical Journal*, 142(3): 1976, pp.471-89.
6. Allchin, B., ‘Stone Blade Industries of Early Settlements in Sindh as Indicators of Geographical and Socioeconomical change’, In *South Asian Archaeology 1977* (ed.) M. Taddei, Naples, 1979, pp.173-212.
7. Khan, F., Knox, J. R. & Thomas, K. D. *Explorations and Excavations in Bannu District of North West Frontier Province of Pakistan, 1985-1988*, London, 1991.
8. Khan, F., Knox, J. R., Thomas, K. D., Petrie, C. A. & Morris, J.C. *Sheri Khan Tarakai and early village life in the borderlands of north-west Pakistan*, Petrie, C. A. (ed.). *Bannu Archaeological Project Monographs – Volume 1*, Oxbow Books, Oxford. 2010.
9. Paterson, T. T., and Drummond, H. J. H. *Soan the Paleolithic of Pakistan*, Karachi, 1962.
10. Rendell, H. M., Dennell, R. W. & Halim, M. A. *Pleistocene and Paleolithic Investigations in the Soan Valley, Northern Pakistan*, Oxford, 1989.
11. Salim, M., *The Middle Stone Age Cultures of Northern Pakistan*, Islamabad, 1986.
12. De Terra, H. and Paterson, T. T. *Studies on the Ice Age in India and Associated Human Cultures*, Washington, 1939
13. Dennell, R.W., Rendell, H.M. and Halim, M.A., 1985 – New Perspectives on the Paleolithic or Northern Pakistan, In *South Asian Archaeology 1983* (eds.) J Schotsmans, M. Taddei, pp.9-20, Naples.
14. Rendell, H. and Dennell, R.W. 1985 – Dated Lower Paleolithic Artifacts from Northern Pakistan, *Current Anthropology*, 26(3): 393.
15. Sankalia, H.D., 1976, – The Early and Middle Paleolithic Cultures in India and Pakistan, In *Le Paleolithique Inferieur et Moyen en Indie, en Asie Centrale, en chine et dans le sud-est Asiatique. Colloque VII UISPP (Nice)*: 7-30.

Journals:

Ancient Pakistan
Ancient Sindh
Frontier Archaeology
Pakistan Archaeology
Lahore Museum Bulletin
Journal of Asian Civilizations
Pakistan Heritage

ARC-203	Bronze Age Cultures of Pakistan	Cr. Hr. 03
---------	---------------------------------	------------

Course Description

This course introduces the students to the cultural and artistic development of humankind since man had invented the art of metallurgy and built houses and urban centers like Harappa and Mohenjo-Daro. Different artistic activities such as pottery making, weaving, writing, domestication of plants and animals and sea and land trade and commerce also took place in this period of Human history.

Course Outcomes

After completion of this course, the student would be able to analyze origin and evolution of Bronze Age Cultures of Pakistan and will know about the developmental stages of human history.

Course Contents**WEEK 1-10:****THEORY:**

- Introduction
- Indus Urbanization (Early, Mature and Late Period): Mehrgarh, Jhandi Babar, Amri, Kot Diji, Rahman Dheri, Gandi Umar Khan, Maru, Nausharo, Harappa, Mohenjo Daro
- Post Indus Period (Pirak, Jhukar, Jhangar, Cemetery-H).
- Gandhara Grave Sites in Taxila, Swat, Dir, Chitral, the Peshawar valley and the emergence of Iron Age.

WEEK 11-16:**PRACTICAL:**

- General Map of the region indicating physical features
- Location of sites and monuments on the map
- Identification of characteristic features of various sites/periods
- Identification of architectural and art factual features of various periods
- Visit to historical sites and monuments in the area

RECOMMENDED READINGS

1. Agrawal, D. P. and Chakrabarti, D. K., eds., *Essays in Indian Protohistory*, Delhi, 1979.
2. Agrawal, D. P. *Archaeology of India*, Great Britain, 1985.
3. Allchin, F. R. *Lewan and the Bannu Basin*, Oxford, 1986.
4. Allchin, F. R. *Neolithic Cattle-Keeper of South India*, Cambridge, 1963.
5. Allchin, R & B. *The Rise of Civilisation in India and Pakistan*, UK, 1982. Asthana, S. *Pre-Harappan Cultures of India and the Borderlands*, New Delhi, 1985.
6. Chakrabarti, D.K. *The External Trade of the Indus Civilisation*, Delhi, 1990.
7. Dales, G. F. and Kenoyer, M. *Excavations at Mohenjodaro, Pakistan: The Pottery*, Pennsylvania, 1986.
8. Dani, A. H. *Indus Civilization New Perspective*, Islamabad, 1981.
9. Dani, A. H. *Recent Archaeological Discoveries in Pakistan*, UNESCO, Tokyo. 1988.
10. Kusumar: *Pre-Historic Chronology and Radiocarbon. The Copper-Bronze Age in India*, Delhi, 1971.
11. Kenoyer, M. *Ancient Cities of the Indus Valley Civilization*, Oxford, 1998.
12. Khan, F., Knox, J. R. & Thomas, K. D. *Explorations and Excavations in Bannu District of North West Frontier Province of Pakistan*, 1985-1988, London, 1991.
13. Khan, F. A. *The Glory that was Harappa*, Karachi, n.d.
14. Khan, F. A. *Preliminary Report on Kot Diji Excavations 1957-8*, Karachi, 1958.
15. Khan, F. A. *The Indus Civilization and Early Iran*, Karachi, 1964.
16. Khan, F. A. *The Kot Diji Culture*, Khairpur University, 2002.
17. Lal, B. B. and Gupta, SP. *Frontiers of the Indus Civilisation*, New Delhi, 1984.
18. Lal, B. B. *The Earliest Civilization of South Asia*, New Delhi, 1997.
19. Lal, B. B. *Sarasvati Flows On*, Delhi.
20. Mackay, E. J. *Further excavations at Moenjodaro, I* Delhi, 1938.
21. Mackay, E. J. *Early Indus Civilization*, London, 1935.
22. Mackay, E. J. *Chanhudaro excavation 1935-36*, New Haven, 1943.
23. Mughal, M. R. *Ancient Cholistan*, Lahore, 1998.
24. Mughal, M. R. *Present Stage of Research on the Indus Valley Civilization*, Karachi, 1973.
25. Possehl, G., ed., *Ancient Cities of the Indus*, 1979 ed., *Harappan Civilization*, New Delhi, 1982.
26. Rao, S.R. *Lothal and the Indus Civilization*, Bombay, 1973.
27. Sankalia, H.D. *Prehistory and Protohistory of India and Pakistan*, Poona, 1974.
28. Settar, S and Korisettar, R. *Indian Archaeology in Retrospective: Protohistoric Archaeology of the Harappan Civilisation*, Vol. II, New Delhi, 2002.
29. Shaffer, J. *Prehistoric Baluchistan*, New Delhi, 1979.
30. Urban, G and M. Jansen, (eds.), *Forgotten Cities on the Indus*, Germany, 1991.
31. Wheeler, S. M. *Civilizations of the Indus and Beyond*, London, 1966.
32. *The Indus Civilization*, Cambridge, 1968.

Journals:

Ancient Pakistan

Ancient Sindh

East and West

Journal of Asian Civilizations

Lahore Museum Bulletin

South Asian Archaeology

Pakistan Archaeology

Pakistan Heritage.

Semester-IV				
Category	Code	Title	Cr.Hrs.	Marks
Compulsory	THQ-251	Teaching of Holy Quran with Translation, Tajveed and Tafseer	Non-Credit	Pass/Fail
Gen-Ed-12	ENT-252	Entrepreneurship	2	100
Gen-Ed-13	CCE-253	Civics and Community Engagement	2	100
Gen-Ed-14	FEQ-255	Fehm-e-Quran-II (for Muslim students)	1	100
		Ethics-II for Non-Muslim Students		
Compulsory	PST-254	Pakistan Studies	2	100
Major	ARC-251	Ancient Religions of Pakistan and India	3	100
Major	ARC-252	Physical Anthropology	3	100
Major	ARC-253	Indus Civilization	3	100
Total			16	

ARC-251	Ancient Religions of Pakistan and India	Cr. Hr. 03
---------	---	------------

Course Description:

This course introduces the students to some of the major ancient religions followed during time by the inhabitants of Pakistan and India. During the course historical and comparative development of these religions will be studied. Development, teachings, and ritual practices of each tradition will be discussed as well as composition and development of various sacred texts, highlighting key themes and ideas within different historical and literary strata of traditions, such as mechanisms of revelation and struggle for religious authority.

Course Outcomes:

On completion, the student would be able to know about philosophy, beliefs, rituals and practices of religions embraced in ancient times by people of Pakistan and India.

Course Contents:

WEEK 1:

Module 1: Introduction

WEEK 2-6:

Module 2: Jainism

- Jain tradition regarding twenty-four *tirthankaras* (prophets)

- Parshva and Mahavira
- Mahavira's life sketch
- Importance of the Ardha Magadhi canon
- Mahavira's meeting with Goshala Mankhaliputta (head of the Ajivika sect)
- Vardhamana Mahavira and his doctrine
- Jainism after Mahavira
- Jain canon, philosophy and icons.

WEEK 7-11:

Module 3: Buddhism

- Buddhist literature
- Origin and development of Buddhism
- Teachings of Gautama Buddha
- Hinayana and Mahayana sects
- Tripitakas (i.e., Vinaya, Sutta and Abhidhamma Pitakas)
- Sthaviravadin School
- Evolution of the Great Vehicle (Mahayana)
- Mahasanghika and Sarvastivadins
- Adi Buddhas
- Bodhisattvas
- Lalitavistara
- Buddhist ethics and morality.

WEEK 12-16:

Module 4: Vedism, Brahmanism and Hinduism

- Vedas
- Upanishads and freedom of religious speculation
- Vaishnavism: Origin and evolution
- Vasudeva-Krishna and the Bhagavat sect
- The Bhagavad-Gita
- Vishnu's avatars (incarnations)
- The doctrine of four vyuhas (phases of conditioned spirit)
- Images and their emblems of identification
- Shaivism
- The Pasupata sect and its teachings
- Shaivism as a popular cult
- Maheshvara and Mahadeva
- Shaiva images
- Important Gods and Goddesses and their characteristic iconographic features.

RECOMMENDED READINGS

1. Basham, A. L. *History and Doctrines of the Ajivikas*, London, 1951. Bhandarkar, R. G. *Vaishnavism, Saivism and Minor Religious Sects*, Strassburg, 1915.
2. Conze, E. *Buddhism, Its Essence and Development*, 2nd ed. Oxford, 1953.
3. Davids, R. T. W. *Buddhism, Its History and Literature*, 2nd ed. London, 1926.
4. Dowson, J. A. *Classical Dictionary of Hindu Mythology and Religion*, 7th ed. London, 1950.
5. Farquhar, J. N. *A Primer of Hinduism*, London, 1912.
6. Nasim Khan, M. *Treasures from Kashmir Smast – The Earliest Shivaite Monastic Establishment*. Peshawar. 2006
7. Nasim Khan, M. *Kharoshthi Manuscripts from Gamdhara* (Rprt.). Peshawar. 2009.
8. Nasim Khan, M. *The Sacred and the Secular. Investigating the Stupa and Settlement Site of Aziz Dheri, Peshawar Valley, Khyber Pukhtoonkhwa* (3 vols). Peshawar. 2010.
9. Nasim Khan, M, Errington, E and Cribb, J. *Coins from Kashmir Smast – New Numismatic Evidence*. Peshawar. 2008.
10. Keith, A. B. *Buddhist Philosophy in India and Ceylon*, Oxford 1923.
11. McGovern, W. N. *Manual of Buddhist Philosophy*, London, 1923.
12. Shah, Ibrahim (2007) *Hindu Art in Pakistan: A Study Based on Museums Collection*, (PhD thesis, unpublished), Peshawar: Department of Archaeology, University of Peshawar
13. Stevenson, S. *The Heart of Jainism*, Oxford, 1915.
14. Thomas, E.J. *The life of the Buddha as Legend and History*, London, 1975.
15. Thomas, E. J. *History of Buddhist Thought*, 2nd ed., London, 1951.
16. Hopkins, E. W. *Epic Mythology*, Strassburg, 1915.

ARC-252	Physical Anthropology	Cr. Hr. 03
---------	-----------------------	------------

Course Description:

This course covers the scope, goals, and major discoveries of physical anthropology, dealing particularly with human biological evolution, the hominine fossil record, and present physical diversity.

Course Outcomes:

After completing this course, the student will comprehend different theories and stages of evolution, their physical features and environmental changes with respect to time and space. It will enable the student to analyze the development of lithic technology authored by the respective species of early man.

Course Contents:

WEEK 1-2:

Module 1: Introduction

- Concept, definition, main features and scope of Anthropology
- Main divisions of Anthropology: physical, cultural and social
- Relation of Anthropology with biological and social sciences

- Application of Anthropology in today's world.

WEEK 3-4:

Module 2: Life on Earth

- Life on earth
- Animal-kingdom
- Mammals, characteristic features of mammals
- Primate group, behavior of primate group
- Apes, characteristic features of apes.

WEEK 5-6:

Module 3: Evolution Theories

- Scientific theories.
- Darwin Theory
- Elaine Morgan Theory
- Killer Ape Theory of Human Evolution
- Religious Theories

WEEK 7-8:

Module 4: Early Ancestors of Man

- Ramapithecus
- Bipedalism
- Early hominid footprints

WEEK 9-10:

Module 5: Australopithecines

- Australopithecus Afarensis
- Australopithecus Africanus
- Australopithecus Robustus
- Australopithecus Boisei
- Zinjanthropus.

WEEK 11:

Module 6: Homo

- Homo Habilis
- Homo Erectus: Pithecanthropus, Sinanthropus.

WEEK 12:

Module 7: Neanderthal man

WEEK 13:

Module 8: Homo Sapiens

WEEK 14:

Module 9: Homo Sapiens (Modern man)

WEEK 16:

Module 10: Human genetics and Racial groups

RECOMMENDED READINGS

1. Barnouw, V. *An Introduction to Anthropology*, (2 vols.), vol. 2, Ontario, 1971.

2. Beals, R. L. and Hoijer, H. *Anthropology Introduction to Anthropology*, 4th ed., New York, 1972.
3. Farb, P. *Humankind: A History of the Development of Man*, London, 1978.
4. Gowlett, J. W. *Ascent to Civilization*, London, 1984.
5. Hoebel, E. A. *Anthropology: The Study of Man*
6. Jacobs and Stern. *General Anthropology-A Brief Survey of Physical, Cultural and Social Anthropology*.
7. Kottak, C. P. *Cultural Anthropology*, New York, 1975.
8. Leakey, L. S. B. *Olduvai Gorge: 1951-61: A Preliminary report on Geology and Fauna, Vol. I*, Cambridge, 1964.
9. Oakley, K. P. *Framework for Dating Fossil Man*, London, 1964.
10. Oakley, K. P. *Man the Toolmaker*, 3rd ed., 1956.
11. Leakey, R. E., Leakey, M. G. and Walker, A. C. 1988 'Morphology of Afropithecus Turkanensis from Kenya', *Nature* 76, pp. 289-307.
12. Pilbeam, D. (1982) 'New hominoid skull material from the Miocene of Pakistan', *Nature*: 295, pp. 232-234.
13. Pilbeam, D., Rose, M. D., Barry, J. C., and Shah, S. M. I. (1990) 'New Sivapithecus humeri from Pakistan and the relationship of Sivapithecus and Pongo', *Nature* 348, pp. 237-239.
14. Pilbeam, D. (1996) 'Genetic and Morphological Records of the Hominoidea and Hominid Origins: A Synthesis', *Molecular Phylogenetics and Evolution*, Vol. 5, No. 1, February, pp. 155-168.

ARC-253	Indus Civilization	Cr. Hr. 03
---------	--------------------	------------

Course Description:

This course introduces the students to the world known Indus Valley Civilization that emerged during prehistoric period on the banks of mighty River Indus. During the course students will learn about the origin, development, technological advancements, trade and ultimate decline of this civilization.

Course Outcomes:

After completion of this course, the student will be able to analyze different aspects of the Indus civilizations.

Course Contents:

WEEK 1-4:

Module 1:

- Introduction
 - Terminology of the Indus Civilization
 - Environmental background
 - Discovery of the Indus Civilization
 - Present state of research on the Indus Civilization.

WEEK 5-8:**Module 2:**

- Early Indus Period (from Mehrgarh to the Rise of Mature Indus Period)
 - Distribution of Settlements (Tochi-Gomal/Hakra/Amrian/Kot Dijian Harappan)
 - Development of art and architecture
 - Major settlements of Early-Indus Civilization.

WEEK 9-12:**Module 3:**

- Mature Indus Period
 - Settlement pattern
 - Art and architecture
 - Town planning
 - Seals
 - Major crafts
 - The Indus script
 - Trade relations
 - Decline of the Indus Civilization.

WEEK 13-16:**Module 4:**

- Late Indus Period
 - Settlement pattern
 - Late Indus Cultures in Sindh, Punjab, Balochistan, and Gujarat.

RECOMMENDED READINGS

1. Agrawal, D. P. and Chakrabarti, D. K., eds. Essays in Indian Protohistory, Delhi, 1979.
2. Agrawal, D. P. Archaeology of India, Great Britain, 1985.
3. Agrawal, D. P. The Copper-Bronze Age in India, Delhi, 1971.
4. Agrawal, D.P. & R.K. Sood, 'Ecological factors and the Harappan Civilization'. In Possehl, G.L. (ed.), Harappan Civilization: A Contemporary Perspective, Oxford & IBH Publishing Co., New Delhi, Bombay, Calcutta, 1982, pp 223-31
5. Allchin, B. and Allchin, R. The Birth of Indian Civilization, London, 1968.
6. Allchin, B. and Allchin, R. The Rise of Civilization in India and Pakistan, Cambridge University Press, 1982.
7. Allchin, F. R. Lewan and the Bannu Basin, Oxford, 1986.
8. Allchin, F. R. Neolithic Cattle-Keepers of South India, Cambridge, 1963.
9. Allchin, F. R., Allchin, B., Durrani, F.A. and Khan, F. Lewan and the Bannu Basin, Great Britain, 1986.
10. Asthana, S. Pre-Harappan Cultures of India and the Borderlands, New Delhi, 1985.
11. Chakrabarti, D. K. The External Trade of the Indus Civilization, Delhi, 1990.

12. Chakrabarti, D.K., *Indus Civilization Sites in India: New Discoveries*. Marg Publications Mumbai, 2003.
13. Cousens, H., *The Antiquities of Sindh*, 1929 (Repr. 1975)
14. Dales, G. F. and Kenoyer, M. *Excavations at Moenjodaro, Pakistan: The Pottery*, Pennsylvania, 1986.
15. Dani, A.H. *Indus Civilization, New Perspective*, Islamabad, 1981.
16. Fairservis, W. A. *The Roots of Ancient India*, 2nd ed., Chicago, 1975.
17. Fairservis, W. A. *The Origin, Character and Decline of an Early Civilization*, 1967.
18. Flam, Louis, *The Paleography and Prehistoric Settlement Patterns in Sindh, Pakistan (Ca.4000-2000 BC)*, Ph.D. Dissertation, University of Pennsylvania, Philadelphia, 1981.
19. Gupta, S. P. *Archaeology of Soviet Central Asia and the Indian Borderland*, Vols. I & II, Delhi, 1979.
20. Jacobson, J., ed., *Studies in the Archaeology of India and Pakistan*, New Delhi, 1986.
21. Kenoyer, M. *Ancient Cities of the Indus Valley Civilization*, Oxford, 1998.
22. Khan, F. A. *The Glory that was Harappa*, Karachi, n.d.
23. Khan, F. A. *Preliminary Report on Kot Diji Excavations 1957-8*, Karachi, 1958.
24. Khan, F. A. *The Indus Civilization and Early Iran*, Karachi, 1964.
25. Khan, F. A. *The Kot Diji Culture*, Khairpur University, 2002.
26. Lal, B. B. *The Earliest Civilization of South Asia*, New Delhi, 1997.
27. Mackay, E. J. *Further Excavations at Mohenjo Daro*, I Delhi, 1938.
28. Lal, B. B. *Chanhudaro Excavation 1935-36*, New Haven, 1943
29. Marshall, J. *Mohenjo Daro and the Indus Civilization*, London, 1931.
30. Mughal, M.R. *Ancient Cholistan*, Lahore, 1998.
31. Mughal, R. *Present Stage of Research on the Indus Valley Civilization*, Karachi, 1973.
32. Mackay, F. J, *Chanhu-Jo-Daro Excavation 1935*, Vol.20, American Oriental Society, American Oriental Series, New Holmen Connecticut, 1943.
33. Majumdar, N.G., 'Excavations at Jhukar', *Annual Report of the Archaeological Survey of India 1927-28: 1931*, pp.76-83.
34. Mughal, M. Rafique, 'Recent Archaeological research in the Cholistan Desert'. In Possehl, G.L. (ed.), *Harappa: A Contemporary Perspective*. Oxford & IBH Publishing Co., New Delhi, Bombay, Calcutta, 1982, pp.85-95.
35. Possehl, G., ed. *Ancient Cities of the Indus*, 1979.
36. Possehl, G., ed. *Harappan Civilization*, New Delhi, 1982.
37. Possehl, G. ed. *Ancient Cities of Indus*, New Delhi, 1979.
38. Possehl, Gregory L., *The Indus Civilization: A Contemporary Perspective*, Vistaar Publications, New Delhi, 2002.
39. Possehl, G. ed. *The Indus Civilization in Saurashtra*, New Delhi, 1980.
40. Rao, S. R. *Lothal and the Indus Civilization*, Bombay, 1973.
41. Sankalia, H. D. *Prehistory and Protohistory of India and Pakistan*, Poona, 1974.

42. Settar, S. and Korisettar, R. Indian Archaeology in Retrospective: Protohistoric Archaeology of the Harappan Civilization, Vol. II, New Delhi, 2002.
 43. Shaffer, J. Prehistoric Baluchistan, New Delhi, 1979.
 44. Urban, G. et al, eds. Forgotten cities on the Indus, Germany, 1991.
 45. Various articles on preservation of Mohenjo Daro.
 46. Vats, M. S. Excavation at Harappa, 2 Vols, New Delhi, 1940.
-

Semester-V				
Category	Code	Title	Cr.Hrs.	Marks
Compulsory	THQ-307	Teaching of Holy Quran with Translation, Tajveed and Tafseer	Non-Credit	Pass/Fail
Major	ARC-301	Archaeological Conservation	3	100
Major	ARC-302	Field Archaeology	3	100
Major	ARC-303	Museum Studies	3	100
Major	ARC-304	Cultural Anthropology	3	100
Major	ARC-305	Gandhara Civilization	3	100
Major	ARC-306	Rock Art of Pakistan	3	100
Total			18	

ARC-301	Archaeological Conservation	Cr. Hr. 03
----------------	------------------------------------	-------------------

Course Description:

This course is a basic introduction to archaeological conservation, the processes affecting the condition of archaeological materials prior to excavation, during excavation, during analysis, exhibition and during reposition. This course will give archaeologists a good understanding of the materials they excavate and how to preserve artifacts and other materials. It will not qualify students to be professional archaeological conservators.

Course Outcomes:

After completing this course, the student would get familiarized with the basic techniques, principles of conservation, ancient materials, and conservation problems faced by the moveable and immoveable archaeological heritage.

Course Contents:

WEEK 1:

Module – 1: Introduction

Module – 1: Definition, terminologies and basic concepts.

WEEK 2:

Module – 2: History of Conservation.

WEEK 3:

Module – 3: Degrees of Intervention.

WEEK 4:

Module – 4: Ethics of Conservation.

WEEK 5:

Module – 5: Principles of Conservation.

WEEK 6:

Module – 6: International Charters of Conservation for the Conservation and Restoration of Archaeological Sites/Monuments:

- The Venice Charter 1964.
- The Florence Charter 1981.
- The Washington Charter 1987.
- Charter for the protection and Management of the Archaeological Heritage 1996.
- The Burra Charter (The Australian National Committee of ICOMOS ,1999)

WEEK 7:

Module – 7: Documentation of Archaeological Sites/Monuments.

- Photographic Documentation.
- Plane Table Survey.
- Triangulation.
- Theodolite.
- Total Station.

WEEK 8:

Module – 8: Materials:

- Study of different materials like Baked Brick, Unbaked Brick, Lime, Stone, \ Mud and Wood.
- Chemical Analysis of different mortars used by the builders in the construction of old buildings.

WEEK 9:

Module – 9: Factor Contributing to the Deterioration of Monuments / Sites:

- Man Made Damages:
 - Exhaust of vehicles, Fire, Encroachment, Faulty services like water supply and sewer lines, Traffic vibration. Industrial pollution and defective conservation work.
- Natural Damages:

- Sun light, Thunderstorm, Winds, Windblown sand, Floods, Snow, Salinity, Rising of water table, Rains, Plants, animals and Earthquakes.

WEEK 10:

Module – 10:Steps for the Conservation:

- Study of Symptoms.
- Identification of Problems.
- Treatment.

WEEK 11:

Module – 11:Conservation of Structural members of the monuments:

- Arches, Vaulting, walls, door openings, foundation, beams, columns, Domes.

WEEK 12:

Module – 12:Conservation of decorative elements of the monuments:

- Fresco Painting, Stucco Tracery work, Pietra Dura work, Inlay Work, Stone Carving, Mirror Work, Tessellated Flooring and Tile Mosaic work.

WEEK 13:

Module – 13:

Use of Modern Techniques in Conservation of Site/Monuments.

WEEK 14-16:

Practical

- Documentation of a Monumental building.
- Study and Identification of the conservation problems faced by the site/monument and their treatment in accordance with prevailing conservation principles.
- Preparation of Development Plan of the Site/ Monument with special reference to boosting safe tourism.
- Study of the environment of the Monument.

RECOMMENDED READINGS

1. Marshall, J. Conservation Manual, India, 1923.
2. Feilden, Bernard. Conservation of Historic Buildings, England, 1982.
3. Feilden, Bernard. Between Two Earthquakes, 1987 (A joint publication of ICCROM and Getty Conservation Institute)
4. Robson, Patrick. Structural Repair of Traditional Buildings, England, 1999.
5. Biswas, S.S. Conservation and Restoration of Brick Architecture, India, 2008.
6. Watkins, P., N. Eyre, M. Holland, A. Rabal, N. Short, Impact of Air Pollution on building Materials, England,2000. (Museums and Monuments-XIV), Preserving and Restoring Monuments and Historic Buildings, UNESCO Paris, 1972.
7. Doehne, Eric. A. Price Clifford. Stone Conservation, An overview of Current Research, The Getty Conservation Institute Los Angeles, 2010.
8. Chandra, Satish. History of Architecture and Ancient Building Materials in India, India, 2003

ARC-302	Field Archaeology	Cr. Hr. 03
----------------	--------------------------	-------------------

Course Description:

Field archaeology deals with the basic techniques of exploration, survey, recording and excavation of archaeological mounds, settlement sites, graveyards, caves and rock shelters etc. and the preparation of detailed reports to be presented to the readers after the completion of an archaeological campaign.

Course Outcomes:

The course will enable the students to the theory as well as practical methods of archaeological activities, particularly surveying and excavations for which they will have to attend practical works going on various archaeological sites and to utilize different tools and equipment used in the survey and excavation. On their return to classes, they will have to submit a detailed report of their activities in the field.

Course Contents:

WEEK 1-8:

Module – 1: Introduction

- Concept, definition and scope of Archaeology
- The New Archaeology
- History of archaeological research in South Asia to the present
- The role of Archaeology in national development
- Archaeology as a scientific discipline.

Module – 2: Discovery

- How the ancient sites got buried
- Avenues leading to the discovery of a site
- Chance discoveries
- Aerial reconnaissance: satellite imagery, aerial photography.

Module – 3: Survey

- Geographical Information System (GIS)
- Global Positioning System (GPS)
- Map reading
- Interpretation of aerial photographs
- Photogrammetry
- Survey at ground level
- Chain survey
- Contour map

- Use of compass and theodolite
- Electron Distance Measurer (EDM) /Total Station, 3D Scanner
- Electrical resistivity survey
- Proton magnetometer
- Sound-wave survey

Module – 4: Excavation

- Organization of an archaeological excavation
- Excavation tools
- Lay-out of an excavation
- Excavation methods: sondages, grid-strip, quadrant, etc.
- Types of Excavation: vertical, horizontal, rescue, etc.
- Sampling
- Trial trench
- Demarcation of layers
- Sample collection: soil, pollen, wood, charcoal, bones, etc.

Module – 5: Excavation Problems

- Open hunting camps
- Caves and rock-shelters
- Villages and towns
- Religious buildings: monastery, Hindu temple, mosque, etc.
- Stupa
- Burials
- Mud-brick structures
- Wooden structures
- Pit excavation.

Module – 6: Recording

- Three dimensional measurements (=context)
- Graph plotting
- Record card
- Computer recording
- Field diary
- Archaeological photography
- Archaeological drawing.
- Artifacts distribution map

WEEK 9-16:

Module – 7: Pottery yard

- Layout of pottery-yard
- Washing/cleaning and registration
- Classification
- Typology
- Pottery tabulation

Module – 8: Registration, Cataloguing

- Accession register
- Cataloguing of antiquities
- Antiquity distribution map.

Module – 9: Time

- The “Three age system”
- Relative and absolute chronology
- Stratigraphy and law of superimposition
- Pleistocene geochronology
- Pollen analysis
- Varve analysis
- Ordering of artifacts
- Cross-dating with objects of known age
- Dendrochronology
- Thermo luminescence dating
- Radiocarbon dating
- Potassium-Argon dating
- Obsidian-hydration dating
- Fission-track method
- Archaeomagnetic dating.

Module – 10: Reconstruction of Environment, Subsistence and Economic Patterns

- Reconstructing ancient environments
- Palynology
- Subsistence patterns
- Animal bones
- Vegetal remains
- Agriculture
- Domestic and wild animals
- Birds, fish, and mollusks
- Rock art

- Ancient dietary patterns
- Interaction network system.

Module – 12:Ordering and Interpretation

- Seriation
- Typology
- Ethnographic analogy and comparative method
- Probability theory, statistical techniques
- Culture change: invention, migration and diffusion.

Module – 13:Computer

- Computer Application in the Analysis of Archaeological Data

Module – 14:Report Writing

- Report Writing and Publication

Practical

- Pre-excavation exploration
- Archaeological surveying
- Use of survey equipment
- Site documentation: photographic, linear, visual
- Pre-excavation planning
- Excavation and documentation of archaeological features
- Three dimensional documentations of structures, artifacts, sections
- Handling, classification and tabulation of pottery in pottery-yard
- Application of basic conservation techniques to artifacts in the field
- Maintenance of field diaries
- Artifacts drawing
- Use of computer-based techniques for seriation, cluster-analysis.

RECOMMENDED READINGS

1. Alexander, J. The Directing of Archaeological Excavations, London, New York, 1970.
2. Fleming, S. Dating in Archaeology, London, 1977.
3. Harris, E. C. Principles of Archaeological Stratigraphy, 2nd ed., London, 1989.
4. Harris, E. C., Principle of archaeological stratigraphy, New York: Academic Press, 1979, (downloadable for free at: <http://www.harrismatrix.com>).
5. Joukowsky, M. A Complete Manual of Field Archaeology,
6. Parkes, P. A. Current Scientific Techniques in Archaeology, London, 1986.
7. Renfrew, C. and Bahn, P. Archaeology: Theories, Methods and Practices, London, 1991.

8. Renfrew, C. (2000) *Loot, Legitimacy and Ownership: the ethical crisis in Archaeology*, London: Bristol Classical Press
9. Wheeler, R.E.M (1954), *Archaeology from the Earth*, Oxford: Clarendon Press
10. White, G.G. and T.F. King (2007), *The Archaeological Survey Manual*, Walnut Creek: Left Coast Press
11. Luca, M. O (2015). *Digging Up. Fieldwork Guidelines for Archaeology Students*, Lahore: Sang-e-Meel Publications
12. Atkinson, R. J. C. *Field Archaeology*, 2nd ed., London, 1953.
13. Barker, P. *The Technique of Archaeological Excavation*, London, 1983.
14. Binford L. R. and Binford S. R., eds., *New Perspective in Archaeology*, Chicago, 1968.
15. Bowman, S. *Radiocarbon Dating*, British Museum, London, 1990.
16. Butzer, K. W. *Environment and Archaeology: An Introduction to Pleistocene Geography*, 2nd ed., Chicago, 1971.
17. Coles, J. M. *Archaeology by Experiment*, London, 1973.
18. Daniel, G. E. *150 Years of Archaeology*, Cambridge, 1976.
19. Doran, J. E. & Hodson, F. R. *Mathematics and Computers in Archaeology*, Edinburgh University Press, 1975.

ARC-303	Museums Studies	Cr. Hr. 03
----------------	------------------------	-------------------

Course Description

The course is focused on the purpose, function and importance of Archaeological Museums and its collection ranging from the Prehistoric period to the Ethnological artifacts.

Course Outcomes

On completion, the student would be able to know about the concept, origin, development, technical aspects, management and scope of the Museum.

Course Contents

WEEK 1-2:

Module 1: Introduction

- Definitions of UNESCO, ICOM, ICCROM, AAM Management etc.

WEEK 3-4:

Module 2: Museum and Its Function

- Definition and its scope
- Origin and development of Museum
- Functions: collection, recording, preservation, exhibition and education
- Different types of museums
- History of Museology in Pakistan
- Problems and prospects of museums in Pakistan.

WEEK 5-6:**Module 3: Museum Administration/Management**

- General organization
- Staff and their functions: Curator, technical, public relations, educational, clerical, and contingent
- Collections: Primary documentation, study, research, storage and display.
- Fund generating and Marketing

WEEK 7-8:**Module 4: Museum Security**

- Walkthrough gates
- CCTV cameras
- Security staff and equipment
- Digital scanners
- Burglar alarm
- Emergency alarm
- Walky-talky
- Other essentials of security

WEEK 9-10:**Module 5: Documentation**

- Record keeping: Registers/Computer punch cards
- Temporary accession
- Permanent accession
- Record of storage
- Gallery record.

WEEK 11-12:**Module 6: Care and Storage of Museum Objects**

- Guidelines for handling of Museum objects
- Objects on display
- Objects in stores
- Storage conditions
- Accessibility
- Record of movement of museum exhibits & reserve
- Care against theft, dampness, dust, temperature, and light
- Care and repair of museum objects.

WEEK 13-14:**Module 7: Museum Architecture**

- Requirement of museum building
- Plan for a museum
- Storage facilities
- Display galleries

- Service facilities: Library, photography, offices, workshops, Laboratories, etc.
- Public facilities: Cafeteria, gift-shop, lavatories.

WEEK 15:

Module 8: Museum Exhibition

- Permanent exhibition
- Planning and setting up an exhibition
- Showcase design
- Labels
- Lighting
- Background of exhibits
- Mounting objects
- Temporary exhibition
- Travelling exhibition.

WEEK 16:

Module 9: Museum Education Research Programme

- Educational programme of a museum: Lectures, seminars, film- shows and cultural-shows.
- Research and publications
- Research facilities in a museum
- Museum library
- Visit to different Museums

RECOMMENDED READINGS:

1. Buck, R. A. and Jean Allman (eds.) (2010) *Museum Registration and Methods*, 5th edn., Gilmore: The AAM Press
2. Burn, N. J. *Field Manual for Museums*, Washington D. C., n.d.
3. Dani, A. H. *A Survey of Museums and Archaeology in Pakistan*, Peshawar, 1970.
4. Dar, S. R. *Archaeology and Museums in Pakistan*, Lahore, 1977.
5. Dar, S. R. *Museology and Museum Problems in Pakistan*, Lahore 1980.
6. Dar, S. R. *Repositories of our Cultural Heritage: A Handbook of Museums in Pakistan*, Lahore, 1979.
7. Dudley, Sandra and Kylie Message (eds.) *Museum Worlds*, 2013
8. UNESCO, *The Organization of Museums; Museums Association of Pakistan; Canadian Museums Association; Studies in Conservation; International Council of Museums; Journal of the American Group for Conservation; Technology and Conservation.*
9. Shakoor, M. A. *Museum Studies and Archaeology*, Peshawar, 1953.
10. Simmons, John E. *Things Great and Small, Collection Management Policies*, AAM 2006
11. Singh, A. P. *Conservation and Museum Techniques.*
12. Thomson, G. *The Museum Environment: Conservation in the Arts, Archaeology and*

Architecture Series, London, 1978.
13. UNESCO, *Handbook of Museum Conservation*.

ARC-304	Cultural Anthropology	Cr. Hr. 03
---------	-----------------------	------------

Course Description:

Cultural anthropology is concerned with understanding and explaining similarities and differences among groups of people living all over the world. As the branch of anthropology dedicated to the study of cultural diversity, cultural anthropology's primary goal is to understand social differences and their relationship to political, economic, linguistic, historical, and other social realms. This course introduces students to the anthropological study of cultural differences and to anthropological ways of understanding the world. The students will be able to understand the development and characteristics of human culture during different proto-historic periods.

Course Outcomes:

After completion of this course students will be able to provide an overview of key concepts and methods in cultural anthropology. It will encourage critical thinking on key anthropological and social scientific debates. They will be able to critically analyze explanations for cross-cultural similarities and differences during time from Paleolithic to Neolithic period.

Course Contents:

WEEK 1-3:

Module 1: Introduction

- Concept, definition and scope of Cultural Anthropology
- Effects of the physical environment on the growth of cultures
- Geological strata and interpretation of associated finds
- Chronological periods in the history of the earth
- Pleistocene chronology
- Principal features of the Pleistocene and Holocene Periods.

WEEK 4-6:

Module 2: Concept of Culture

- Man, culture and society
- The evolution of culture
- Culture is learned
- The concept and method of cultural ecology
- Culture and language
- Culture and personality.

WEEK 7-8:

Module 3: Lower Paleolithic Culture

- Characteristic features
- Cultures of Lower Paleolithic Period
- Principal tool-types, their manufacturing techniques and probable functions.

WEEK 9-10:**Module 4: Middle Paleolithic Culture**

- Characteristic features
- Cultures of Middle Paleolithic Period
- Principal tool-types, their manufacturing techniques, and probable functions
- Intellectual developments: art and religion.

WEEK 11-12:**Module 5: Upper Paleolithic Culture**

- Characteristic features
- Cultures of Upper Paleolithic Period
- Principal tool-types, their manufacturing techniques and probable functions
- Intellectual developments: art and religion.

WEEK 13-14:**Module 6: Mesolithic Culture**

- Characteristic features
- Cultures of Mesolithic Period
- Principal tool types, their manufacturing techniques and probable functions
- Intellectual developments: art and religion.

WEEK 15-16:**Module 7: Neolithic Revolution**

- Domestication of plants and animals
- Evolution of stone-tool technology
- Introduction of ceramics
- Evolution of permanent settlements
- Evolution of related arts and crafts
- Early Neolithic Cultures.

RECOMMENDED READINGS

1. Agrawal, D. P. *The Archaeology of India*, Scandinavian Institute of Asian Studies, Monograph No.46, London, 1985.
2. Allchin, B. and R. *Lewan and the Bannu Basin: Excavations and Survey of Sites in North West Pakistan*, Great Britain, 1986. Braidwood. R.J. *Prehistoric Man*, Chicago, 1975.
3. Clark, G. and Piggot, S. *Prehistoric Societies*, London, 1968.
4. Clark, G. *The Stone Age Hunters*, London, 1975.
5. Clark, G. and Piggot, S. *World Prehistory in New Perspective*, 2nd ed., Cambridge, 1977.
6. Clark, J. D. *The Prehistory of Southern Africa*, Great Britain, 1959.
7. Dales, G. F. *A Review of the Chronology of Afghanistan, Baluchistan and the Indus Valley*, In:AJA 72/4:305-307, 1968.
8. De Terra, H. and Paterson, T. T. *Studies on the Ice Age in India and Associated Human Cultures*, Washington, 1939.

9. Dennell, R. W. *Pakistan Prehistory: A Glimpse at the First Two Million Years*, Cambridge, 1991.
10. Durrani, F. A. Rahman Dheri and the Birth of Civilization in Pakistan, *Bulletin of the Institute of Archaeology*, 18:191-207. London, 1981.
11. Durrani, F. A. Some Early Harappan Sites in Gomal and Bannu Villages, in Gupta, S. P. Lal, B. B. eds. *Frontiers of Indus Civilisation*, 1984, pp. 505-510.
12. Jarrige, J. F. Excavations at Mehrgarh, Pakistan in *South Asian Archaeology* 1975, Leiden. 1979, pp. 76-87.
13. Jarrige, J. F. Excavations at Mehrgarh: Their Significance for Understanding the Background of the Harappan Civilization, in Possehl, G., ed., 1982, pp. 79-84.
14. Leakey, L. S. B. *Olduvai Gorge: 1951-61: A Preliminary report on Geology and Fauna*, vol. 1, Cambridge, 1964.
15. Masson, V. M. Sarianidi, V.I. *Central Asia*, London 1972.
16. Meadow, R. A Chronology for the Indo-Iranian Borderlands and Baluchistan: 4000-2000 B. C. in Agrawal, D. P. and Ghosh, A., eds, 1973, pp.190ff.
17. Oakley, K. P. *Framework for Dating Fossil Man*, London, 1964.
18. Oakley, K. P. *Man the Toolmaker*, 3rd ed., 1956.
19. Paterson, T. T. and Drummond, J. H. J. *Soan the Paleolithic of Pakistan*, Karachi, 1962.
20. Quivron, G. Lechevallier, M. The Neolithic in Baluchistan: New Evidence from Mehrgarh, *South Asian Archaeology* 1979, Berlin, 1981, pp. 71-92.
21. Rendell, H. M., Dennel, R. W. and Halim, M. A. *Pleistocene and Paleolithic Investigations in the Soan Valley, Northern Pakistan*, ed. Allchin, F. R., Allchin, B. BAR International Series 544, Oxford, 1989.
22. Salim, M. *The Middle Stone Age Cultures of Northern Pakistan*, Islamabad, 1986.
23. Salim, M. The Paleolithic Cultures of Potowar with Special Reference to the Lower Palaeolithic, *Central Asian Studies*, Quaid-e-Azam University, Islamabad, 1997.
24. Sankalia, H. D. *Stone Age Tools, Their Techniques, Names and Probable Functions*, Poona, 1964.
25. Sankalia, H.D. ed., *The Prehistory and Protohistory of India and Pakistan*, Bombay, 1962.
26. Shaffer, J. *Prehistoric Baluchistan*, New Delhi. 1978.
27. Sharma, G. R. and Clark, J. D. Paleoenvironment and Prehistory in the Middle Son Valley, India, 1983.

ARC-305	Gandhara Civilization	Cr. Hr. 03
---------	-----------------------	------------

Course Description:

This course introduces the students to the rock art of Pakistan. They will study different types of pictographs, pictograms, carvings and other forms of rock art. Furthermore, the course discusses different documentation, dating and preservation techniques used for the rock art.

Learning outcomes:

On completion, the student would be able to know about historical, socio-cultural, religious, economic, political, environmental conditions, flora, fauna and exchange of ideas of different

people living in ancient times in diverse parts of the country communicated through the Rock Art in ancient times. The students will be able to differentiate between different types of rock art and their documentation techniques.

Course Contents:

WEEK 1-2:

Module 1: Introduction

- Definition, types, scope and importance
- Evolution, terminology
- Brief History of rock art research

WEEK 3-4:

Module 2: Recording

- Survey and recording
- Topography and documentation
- Regionalization and functions

WEEK 5-6:

Module 3: Prehistoric Period

- Middle Paleolithic
- Upper Palaeolithic
- Neolithic

WEEK 7-8:

Module 4: Protohistoric Period

- Chalcolithic
- Bronze Age
- Iron Age

WEEK 9-10:

Module 5: Historic Period

- Buddhist
- Hindu
- Inscriptions
- Symbols and interpretation

WEEK 11-12:

Module 6: Rock Paintings

- Techniques and nature of rock painting tradition
- Investigation and environment of rock painting sites
- Components of Paintings
- Upper Paleolithic Paintings
- Neolithic Paintings
- Historic Paintings

WEEK 13:

Module 7: Dating

- Dating techniques for petroglyphs / paintings
- Weathering and patina
- Superimposition
- Comparative and stylistic analysis

WEEK 14:

Module 8: Rock Art Sites

- Azad Jammu & Kashmir
- Gilgit Baltistan
- Khyber Pakhtunkhwa
- Punjab
- Sindh

WEEK 15-16:

Module 9: Management and Conservation

- Conservation techniques
- Conservation policy
- Equipment for treatment
- Water impact management of treatment
- Salt decay of treatment
- Visitor management
- Vandalism graffiti etc.

Recommended Readings:

1. Ashraf Khan, M. (1994) Historic Rock Carvings in Dir District. East and West, Vols. 2-4,
2. Ashraf Khan, M., Bahadar Khan, M. and Azeem, A. (1999-2000). Newly Discovered Rock Engravings and Inscriptions in the Bajaur Valley, Gandhara, Pakistan. Ancient Pakistan, Vol. XIII, pp. 11-25.
3. Bahn, P. Pettitt, P. and Ripoll, S. (2003). Discovery of Palaeolithic Cave Art in Britain, Antiquity, vol. 77 (296), pp. 227-231.
4. Bandini-König, D., M. Bemmman and H. Hauptmann, (1997) Rock Art in the Upper Indus Valley, The Indus-Cradle and Crossroads of Civilizations, Islamabad, pp. 29-70.
5. Bednarik, R. G. (2006). Pleistocene Rock Art in Central Europe? International Newsletter on Rock Art, No. 45, ICOMOS, pp. 27-30.
6. Beltran, A. (1982) Rock Art of the Spanish Levant, Cambridge University Press, London.
7. Bemmman, M. and Hauptmann, H. (1993). Rock Carvings and Inscriptions along the Karakorum Highway, South Asian Archaeology 1991, Stuttgart, pp. 313-332.
8. Bhan, J. L.(1995) Rock Art as a Clue to the Cultural History of Ladakh, Journal of Central Asian Studies, Vol. VI., the University of Kashmir Srinagar, pp.17-25.
9. Brentjes, B. (1977) On the Petroglyphs of Gogdara I in Swat, East and West, Vol. 27, IsMEO, Rome, pp.92-93.
10. Chakravarty, K. & Bednarik R. G., (1997) Indian rock art and its global context, Delhi.
11. Chandramouli, N., (2002), Rock Art of South India, Delhi.

12. Clottes J. (1998) The 'Three Cs': fresh avenues towards European Palaeolithic art, The archaeology of rock-art, Chippindale C. & Tacon P. (eds.) pp. 112-129.
13. Dani, A. H. (1983) Chilas: The City of Nanga Parvat (Dayamer), Quaid-i-Azam University, Islamabad.
14. Dani, A. H. (1988) Recent Archaeological Discoveries in Pakistan, UNESCO, Paris & Centre for East Asian Cultural Studies, Tokyo
15. Filigenzi, A. (1995) Buddhist Rock Sculptures in Swat, North West Pakistan, South Asian Archaeology 1995, vol. 2, New Delhi, pp. 625-635.
16. Filigenzi, A. (1997) Buddhist Rock Sculptures in Swat, North West Pakistan, South Asian Archaeology 1995, Vol. 2, eds. R. Allchin & B. Allchin, New Delhi, pp. 625-635.
17. Hauptmann, H. (2006) Rock Carvings, and Inscriptions along the Karakorum Highway, Heidelberg Academy of Sciences and Humanities, pp. 1-13.
18. Jettmar, K. (1982) Rock-Carvings and Inscriptions in the Northern Areas of Pakistan, Institute of Folk Heritage, Islamabad, Figs. 2-3, 6-9, & 13.
19. Jettmar, K. (1985) Non-Buddhist Traditions in the Petroglyphs of the Indus Valley, South Asian Archaeology 1983, J. Schotsmans & M. Taddei, eds., Naples, pp. 751-77.
20. Jettmar, K. (1989a) Documentation and Exploration in Northern Areas of Pakistan, Pakistan Archaeology, 24, pp. 177-94.
21. Jettmar, K. (1989b) The Main Buddhist Period as represented in the Petroglyphs at Chilas and Thalpan, South Asian Archaeology 1985, K. Frifelt and P. Srensen, eds. London, pp. 407-411.
22. Kakar, F. D. (2005) Discovery of Upper Palaeolithic Rock Art in Baluchistan, Pakistan, South Asian Archaeology 2003, Aachen, pp.21-25.
23. Layton, R. (1992) Australian Rock Art: a new synthesis. Cambridge University Press.
24. Mathpal, Y. (1998) The Study of Rock Art: A Retrospect, Rock Art in Kerala, Delhi.
25. M.Vidale & L. M. Olivieri, (2002), Painted Rock Shelters of the Swat Valley; further discoveries and new hypotheses, East and West, Vol. 52, No1-4, IsIAO, Rome, pp.173-223.
26. Nasim Khan, M. (1994), Rock Carvings and Inscriptions at Helor Das, in G. Fussman und K. Jettmar (ed.) Antiquities of Northern Pakistan 3: pp.201-212.
27. Nasim Khan, M. (1998) Rock Art in Pakistan. The Glory that was Pakistan: 50 Years of Archaeological Research in Pakistan. Department of Archaeology, University of Peshawar, pp. 45-

ARC-306	Rock Art of Pakistan	Cr. Hr. 03
----------------	-----------------------------	-------------------

Course Description:

This course introduces the students to the rock art of Pakistan. They will study different types of pictographs, pictograms, carvings and other forms of rock art. Furthermore, the course discusses different documentation, dating and preservation techniques used for rock art.

Learning outcomes:

On completion, the student would be able to know about historical, socio-cultural, religious, economic, political, environmental conditions, flora, fauna and exchange of ideas of different

people living in ancient times in diverse parts of the country communicated through the Rock Art in ancient times. The students will be able to differentiate between different types of rock art and their documentation techniques.

Course Contents:

WEEK 1-2:

Module 1: Introduction

- Definition, types, scope and importance
- Evolution, terminology
- Brief History of rock art research

WEEK 3-4:

Module 2: Recording

- Survey and recording
- Topography and documentation
- Regionalization and functions

WEEK 5-6:

Module 3: Prehistoric Period

- Middle Paleolithic
- Upper Palaeolithic
- Neolithic

WEEK 7-8:

Module 4: Protohistoric Period

- Chalcolithic
- Bronze Age
- Iron Age

WEEK 9-10:

Module 5: Historic Period

- Buddhist
- Hindu
- Inscriptions
- Symbols and interpretation

WEEK 11-12:

Module 6: Rock Paintings

- Techniques and nature of rock painting tradition
- Investigation and environment of rock painting sites
- Components of Paintings
- Upper Paleolithic Paintings
- Neolithic Paintings
- Historic Paintings

WEEK 13:

Module 7: Dating

- Dating techniques for petroglyphs / paintings
- Weathering and patina
- Superimposition
- Comparative and stylistic analysis

WEEK 14:

Module 8: Rock Art Sites

- Azad Jammu & Kashmir
- Gilgit Baltistan
- Khyber Pakhtunkhwa
- Punjab
- Sindh

WEEK 15-16:

Module 9: Management and Conservation

- Conservation techniques
- Conservation policy
- Equipment for treatment
- Water impact management of treatment
- Salt decay of treatment
- Visitor management
- Vandalism graffiti etc.

RECOMMENDED READINGS

28. Ashraf Khan, M. (1994) Historic Rock Carvings in Dir District. East and West, Vols. 2-4,
29. Ashraf Khan, M., Bahadar Khan, M. and Azeem, A. (1999-2000). Newly Discovered Rock Engravings and Inscriptions in the Bajaur Valley, Gandhara, Pakistan. Ancient Pakistan, Vol. XIII, pp. 11-25.
30. Bahn, P. Pettitt, P. and Ripoll, S. (2003). Discovery of Palaeolithic Cave Art in Britain, Antiquity, vol. 77 (296), pp. 227-231.
31. Bandini-König, D., M. Bemmman and H. Hauptmann, (1997) Rock Art in the Upper Indus Valley, The Indus-Cradle and Crossroads of Civilizations, Islamabad, pp. 29-70.
32. Bednarik, R. G. (2006). Pleistocene Rock Art in Central Europe? International Newsletter on Rock Art, No. 45, ICOMOS, pp. 27-30.
33. Beltran, A. (1982) Rock Art of the Spanish Levant, Cambridge University Press, London.
34. Bemmman, M. and Hauptmann, H. (1993). Rock Carvings and Inscriptions along the Karakorum Highway, South Asian Archaeology 1991, Stuttgart, pp. 313-332.
35. Bhan, J. L.(1995) Rock Art as a Clue to the Cultural History of Ladakh, Journal of Central Asian Studies, Vol. VI., the University of Kashmir Srinagar, pp.17-25.
36. Brentjes, B. (1977) On the Petroglyphs of Gogdara I in Swat, East and West, Vol. 27, IsMEO, Rome, pp.92-93.
37. Chakravarty, K. & Bednarik R. G., (1997) Indian rock art and its global context, Delhi.

38. Chandramouli, N., (2002), *Rock Art of South India*, Delhi.
39. Clottes J. (1998) The 'Three Cs': fresh avenues towards European Palaeolithic art, *The archaeology of rock-art*, Chippindale C. & Tacon P. (eds.) pp. 112-129.
40. Dani, A. H. (1983) *Chilas: The City of Nanga Parvat* (Dayamer), Quaid-i-Azam University, Islamabad.
41. Dani, A. H. (1988) *Recent Archaeological Discoveries in Pakistan*, UNESCO, Paris & Centre for East Asian Cultural Studies, Tokyo
42. Filigenzi, A. (1995) *Buddhist Rock Sculptures in Swat, Northwest Pakistan*, *South Asian Archaeology 1995*, vol. 2, New Delhi, pp. 625-635.
43. Filigenzi, A. (1997) *Buddhist Rock Sculptures in Swat, Northwest Pakistan*, *South Asian Archaeology 1995*, Vol. 2, eds. R. Allchin & B. Allchin, New Delhi, pp. 625-635.
44. Hauptmann, H. (2006) *Rock Carvings, and Inscriptions along the Karakorum Highway*, Heidelberg Academy of Sciences and Humanities, pp. 1-13.
45. Jettmar, K. (1982) *Rock-Carvings and Inscriptions in the Northern Areas of Pakistan*, Institute of Folk Heritage, Islamabad, Figs. 2-3, 6-9, & 13.
46. Jettmar, K. (1985) *Non-Buddhist Traditions in the Petroglyphs of the Indus Valley*, *South Asian Archaeology 1983*, J. Schotsmans & M. Taddei, eds., Naples, pp. 751-77.
47. Jettmar, K. (1989a) *Documentation and Exploration in Northern Areas of Pakistan*, *Pakistan Archaeology*, 24, pp. 177-94.
48. Jettmar, K. (1989b) *The Main Buddhist Period as represented in the Petroglyphs at Chilas and Thalpan*, *South Asian Archaeology 1985*, K. Frifelt and P. Srensen, eds. London, pp. 407-411.
49. Kakar, F. D. (2005) *Discovery of Upper Palaeolithic Rock Art in Baluchistan, Pakistan*, *South Asian Archaeology 2003*, Aachen, pp.21-25.
50. Layton, R. (1992) *Australian Rock Art: a new synthesis*. Cambridge University Press.
51. Mathpal, Y. (1998) *The Study of Rock Art: A Retrospect*, *Rock Art in Kerala*, Delhi.
52. M.Vidale & L. M. Olivieri, (2002), *Painted Rock Shelters of the Swat Valley; further discoveries and new hypotheses*, East and West, Vol. 52, No1-4, IsIAO, Rome, pp.173-223.
53. Nasim Khan, M. (1994), *Rock Carvings and Inscriptions at Helor Das*, in G. Fussman und K. Jettmar (ed.) *Antiquities of Northern Pakistan 3*: pp.201-212.
54. Nasim Khan, M. (1998) *Rock Art in Pakistan. The Glory that was Pakistan: 50 Years of Archaeological Research in Pakistan*. Department of Archaeology, University of Peshawar, pp. 45-48.

Semester-VI				
Category	Code	Title	Cr.Hrs.	Marks
Compulsory	THQ-356	Teaching of Holy Quran with Translation, Tajveed and Tafseer	Non-Credit	Pass/Fail
Major	ARC-351	Ancient Civilizations	3	100
Major	ARC-352	World Heritage Sites	3	100
Inter-Disp-1	TAH-353	Tourist Attractions of Pakistan	3	100
Inter-Disp-2	GEO-354	Fundamentals of Geology	3	100
Inter-Disp-3	TAH-355	Cultural Tourism	3	100
Total			15	

ARC-351	Ancient Civilizations	Cr. Hr. 03
----------------	------------------------------	-------------------

Course Description:

Ancient Civilization is the study of the achievements, contribution, causes of the development and downfall, and the legacy left by the famous civilizations of the world such as the Indus civilization, the Mesopotamian Civilization, the Egyptian civilization, the Greek and Roman Civilizations and the Persian and Chinese civilization etc.

Course Outcomes:

The course will enable the students to study different aspects of the famous civilizations of the world particularly agriculture, art and architecture, astronomy and astrology and military organization etc.

WEEK 1-2:

Module – 1: Introduction

- Concept of culture and civilization
- Elements of civilization
- Basic conditions of civilization.

WEEK 3-4:

Module – 2: Mesopotamian Civilization

- Environmental background
- Early cultures of Mesopotamia
- Socio-political set-up of the Sumerians, Akkadians,
- Babylonians, Assyrians and Chaldeans
- Various aspects of civilization: art, architecture, writing, seals, religion and economy.

WEEK 5-6:**Module – 3: Egyptian Civilization**

- Egypt geophysical history and its impact on local cultures
- Art and architecture
- Religion
- Writing system
- Contribution in literature, science, philosophy, medicine.

WEEK 7-8:**Module – 4: Chinese Civilization**

- Shang Dynasty
- Chou Dynasty
- Chen Dynasty
- Han Dynasty
- Art and architecture
- Contributions in philosophy.

WEEK 9-10:**Module – 5: Iranian Civilization**

- Origin of Iranian Civilization
- Achaemenians: history and formation of their empire
- Provincial administration system
- Zoroastrian Religion
- Art and architecture
- Cyrus
- Darius I and Darius II
- Sasanians.

WEEK 11-13:**Module – 6: Greek Civilization**

- Origin and development of the Greek Civilization
- Origin of city states
- Hellenic and Hellenistic phases
- Art and architecture
- Literature
- Philosophy
- Science.

WEEK 14-16:

Module – 7: Roman Civilization

- Origin and development of Roman Empire
- General characteristics of Roman Culture
- Art and architecture
- Philosophy and science
- Roman law.

RECOMMENDED READINGS

1. Durant, W. The story of Civilizations our Oriental Heritage, New York, 1954.
2. Ralph and Burns, World Civilizations, New York, 1974.
3. Roaf, M. Cultural Atlas of Mesopotamia and the Ancient Near East
4. Smith, W. S. The Art and Architecture of Ancient Egypt, London, 1958.
5. Watson, W. Early Civilization of China, London, 1966.
6. Wenke, Rober. Pattern in Prehistory: Humankinds First Three Million Years, (4th edn), Oxford.

ARC-352	World Heritage Sites	Cr. Hr. 03
---------	----------------------	------------

Course Description:

This course explores the concept of world heritage and the listed world heritage sites of Pakistan as well as some other countries. The course also introduces students to different UNESCO charters and the criteria for enlisting as World Heritage Site.

Course Outcomes:

After completion students will be able to understand the concepts and process involved in selection of any heritage sites on World Heritage list. The students will be able to identify all the sites that are declared as world heritage sites in Pakistan as well as in South Asia.

Course Contents:

WEEK 1-4:

Module-1: Introduction

- What is heritage?
- Cultural heritage
- Natural heritage
- World heritage institutions

WEEK 5-8:

Module-2: Charters and Criteria

- UNESCO/ ICOMOS charters
- Criteria of world heritage sites

WEEK 9-12:

Module-3: Sites in South Asia

- World heritage sites
- World heritage sites in Pakistan and India.

WEEK 13-14:**Module-4: Other important Sites (3 from each continent)**

- Asia
- Africa
- North Americas
- South America
- Australia
- Europe

WEEK 15-16:**Module-5:**

- Visit and reports of any world heritage Sites of Pakistan
- A case study of World Heritage Sites in Pakistan

RECOMMENDED READINGS

1. World Heritage Sites: A Complete Guide to 911 UNESCO World Heritage Sites by UNESCO
 2. World Heritage Sites: A Complete Guide to 890 UNESCO World Heritage Sites by UNESCO
 3. Treasury of World Culture: Archaeological Sites and Urban Centers UNESCO World Heritage (v. 1)
 4. Monumental Sites: Treasury of World Culture Series UNESCO World Heritage (v. 2)
 5. 1001 Natural Wonders You Must See Before You Die: UNESCO Edition by Michael Bright and Koichiro Matsuura (Aug 1, 2009)
 6. Managing World Heritage Sites by Anna Leask and Alan Fyall (Jun 28, 2006)
 7. World Heritage Sites of UNESCO: Vol. 2 (World Heritage Sites/UNESCO 2) by Marco Cattaneo (Nov 6, 2003)
 8. World Heritage Sites of China by Cao Nanyan and Claire Welch (2007)
-

TAH-353	TOURIST ATTRACTIONS OF PAKISTAN	Cr. Hr. 03
----------------	--	-------------------

COURSE DESCRIPTION:

This course focuses on the classification of the tourism resources of Pakistan. The course further makes clarification of tourist's circuits and paths, tourist facilities. The student will get knowledge about the popular destinations in Pakistan. The course also emphasis to permeate students with an appreciation of the finite natural and cultural resources, and the importance of prudent and responsible management.

COURSE OBJECTIVES:

- Enhancement of students' knowledge about the tourism destinations of Pakistan
- Provision of information about tourists circuits in Pakistan.

- The existence facilities at natural and cultural sites, and the required amenities.
- Future opportunities for developing different kinds of conventional tourism.

COURSE OUTCOMES:

After the successful completion of the course the students will be able:

- Gain knowledge about the tourism attractions in Pakistan.
- Understand the standards required for international-level facilities.
- Develop various types of tourism activities based on Pakistan's natural and cultural resources.
- Apply ethical principles, cultural sensitivity, and modern business practices.
- Demonstrate the ability to engage in collaborative actions.

COURSE CONTENTS:

Module -1 Tourism in General

History and development of tourism in Pakistan. Tourism at Glance, Types of resources, Classification of resources, National and provincial tourism bodies, Tourist paths, Tourism circuits, Tourist facilities and services.

Module -2 Natural Resources

Natural Tourism resources in Pakistan- Tourist pattern and potential with relation to varied landforms (mountains, deserts, beaches, & islands), water bodies and biotic wealth (flora-fauna). Popular tourist destination for land based, water based and air based tourist activities. National Parks and Natural Reserves in Pakistan.

Module -3 Cultural Heritage Resources

Muslim, Buddhist, Sikh, Hindu, Socio cultural resources - Important fairs and festivals manmade resources: Adventure sports – museums, zoo, theaters, Commercial attractions - Amusement Parks – Gaming - Shopping - Live Entertainments - Supplementary accommodation. Gastronomic tourism.

Module -4 Neotourism

Emerging Tourism Destinations: Ecotourism - Camping Tourism - Medical Tourism - MICE Tourism - Pilgrimage Tourism, CEPEC and benefits to Tourism Industry

Module -5 Popular Tourist destinations:

Hill Stations: Murree, Ziarat, Naran, Kaghan, Galliyat, Study of Hill Station attractions and their environment, Case studies of Swat valley, Hunza valley and Galliyat.

Module -6 Practical/Visits:

Visits to tourist destinations and preparation of visit report

RECOMMENDED READINGS

1. Tahir Jahangir, A (20024), Travel Companion to the Northern Areas of Pakistan (Karachi, Oxford University Press, 2004.
2. Mock Johan (2002) Trekking in the Karakoram & Hindukush, only Planet walking guide, 2nd Edition.
3. Siddiqui, Z (1988) Tourism marketing: Pakistan in UK's context.
4. Pakistan Guide by Isobellsha.
5. Pakistan from mountain to sea
6. Yearly Publication of Tourism.
7. www.tourism.gov.pk
8. www.unwto.org.pk www.wttc.org

GEO-354	Fundamentals of Geology	Cr. Hr. 03
----------------	--------------------------------	-------------------

Objectives:

This course is designed to acquire knowledge about the basic concepts of geology. This will help the students to get knowledge about various types of rocks and minerals and the processes of their formation.

Learning outcomes:

Upon completion of this course students will have learnt about the various geological processes in and on the Earth and its application to the past history of the earth. “Present is the key to the past”. Students will also understand how the three major rock types (igneous, sedimentary and metamorphic) form, identification of minerals, rocks and crystal shapes of the normal class of the crystal system.

Course Contents:

Week-1: Introduction and scope of geology; importance and relationship with other sciences;

Week-2: History and philosophy of geology;

Week-3: Earth as a member of the solar system;

Week-4: earth origin, age, composition.

Week-5: Internal structure of Earth;

Week-6: Isostasy; mountain building processes;

Week-7: Identification and classification of rocks and minerals;

Week-8: Sedimentary Rocks,

Presentations, Quizzes and Assignments

Week-9: Introduction to fossils in sedimentary rocks;

Week-10: Metamorphic structures;

Week-11: Igneous Rocks:

Week-12: Igneous Rocks:

Week-13: Geological Time Scale; Law of Superposition

Week-14: Present is key to the past and Law of Faunal Succession;

Week-15: Concept and techniques of geological dating, relative and absolute dating;

Week-16: Evolution of life on earth; use of Silva/Brunton Compass and GPS, etc.

Presentations, Quizzes and Assignments

Recommended Books:

1. Physical Geology (13th Edition) by Charles Plummer, David Mc Geary, Diane Carlson, Lisa Hammersley, 2009, McGraw-Hill
2. Laboratory Manual in Physical Geology (9th Edition) , Richard M. Busch, 2011, American Geological Institute, Pearson Education
3. Physical Geology, By Plummer, (14th Edition), Charles (Carlos) Plummer, Diane Carlson, Lisa Hammersley, 2012 McGraw-Hill
4. Principles of Physical Geology by Holmes, A., 1978, Nelson.
5. Foundation of Structural Geology by Park, R. G., 1983, Blackie.
6. Elementary Exercises upon Geological Maps by Platt, J. I., 1961, Thomas Murby and Co.
7. An Introduction of Geological Structures and Maps by Bennison, G.M., 1997, Edward Arnold.

TAH-355	Cultural Tourism	Cr. Hr. 03
----------------	-------------------------	-------------------

COURSE DESCRIPTION:

The course investigates the relationship between culture, heritage and tourism, by examining the socio-cultural complexities of cultural heritage tourism. Heritage tourism defines the modern market-centered approach to historic preservation. Issues and trends in the management of tangible and intangible assets, such as interpretation, globalization, cross-cultural values, impacts of development, sustainable tourism, etc. are also investigated. Focus will be placed on war heritage, UNESCO world heritage sites in Pakistan, the role of cultural and creative industries in tourism.

COURSE OBJECTIVES:

- To equip students with the understanding of Cultural tourism and its role in tourism industry.
- To explore the significance of cultural heritage in the context of tourism, including tangible and intangible cultural assets.
- To analyze the positive and negative impacts on cultural heritage.
- To learn how to interpret and present cultural information to tourists in an engaging and educational manner.
- To understand the principles of tourism planning and development in the context of Cultural tourism.

COURSE OUTCOMES:

- Acquire knowledge and demonstrate an understanding of the relationship between culture and tourism, concepts and theories of cultural tourism
- How cultural tourism affects and is affected by stakeholders
- The relationship between cultural tourism and debates about contemporary issues.

- Analyze how heritage tourism works in Pakistan.
- Learn to perform under constraints and demonstrate an ability to work in a group through collaboration and cooperation.
- Demonstrate an ability to apply knowledge, collect data, extract and synthesize information, and present research findings and solutions.
- Demonstrate an ability to work independently and verbally present and/or write scholarly papers, to express opinions and arguments with respect to contemporary cultural tourism issues and trends.

Week 1-3

Module -1: Introduction

- Meanings of Culture, Society, Civilization
- Definition of Cultural Tourism
- Cultural Diversity
- Impacts of Tourism on Culture
- Living cultural Heritage, Archaeological Heritage
- International Cultural Tourism Charter

Week 4-7

Module -2: Cultural Tourism Resources

- The Land
- Climate
- Economy
- Language and literature
- Socio-Religious groups
- Customs & Traditions

Week 8-11

Module -3: Attractions of Cultural Tourism in Pakistan

- Tangible & Intangible Culture
- Archaeological sites
- Museums
- Architecture
- Fairs & Festivals
- Arts & Crafts
- Rural & Urban Tourism
- Religious/spiritual
- Folklores
- Performing Art (Music, Drama and dance)
- Traditional Sports

- Food & Gastronomy
- Events and exhibitions

Week 12-14

Module -4: Cultural Tourism Issues & Challenges

- Endangered Cultures & Traditions
- Globalization
- Terrorism
- Poverty
- Awareness, Education and Trainings
- Authentic data & ownership
- Preservation & Conservation
- Management & Marketing
- Research and Planning

Week 15-16

Module -5: Cultural Tourism Planning & Operations

Understanding heritage tourism in relation to World Heritage Sites, urban and rural environments, specific sites, buildings and institutions, heritage tourism tours, understanding impacts from tourism, and, balancing conservation, community needs and access.

- Cultural Policy of Pakistan
- Tourism Policy of Pakistan
- (Review- Case Study) and Assignments

SUGGESTED READINGS

1. Folk Heritage of Pakistan (Complete sets) 1975-77
2. Directory of cultural intuitions in Pakistan by SaboohiNiazi 1980.
3. Heritage management, interpretation, identity by Peter Howard
4. The Heritage Reader by Graham Fairclough
5. Heritage Studies: Methods and approaches by Marie Louise Stig
6. Uses of Heritage by Laurajane smith
7. Cultural tourism: The Partnership between tourism and cultural heritage management by Bob Mckercher and Hilary du cros
8. Intangible heritage (Key Issues in Cultural Heritage) by Laurajane smith

Semester-VII				
Category	Code	Title	Cr.Hrs.	Marks
Compulsory	THQ-406	Teaching of Holy Quranwith Translation, Tajveed and Tafseer	Non-Credit	Pass/Fail
Major	ARC-401	Research Methodology	3	100
Major	ARC-402	Ancient Art and Architecture of Pakistan and India	3	100
Major	ARC-403	Muslim Architecture of Pakistan and India	3	100
Major	ARC-404	Provincial Cultural Heritage	3	100
Inter-Disp-4	GEO-405	GIS and Remote Sensing	3	100
Internship	INT-410	Internship	3	100
Total			18	

ARC-401	Research Methodology	Cr. Hr. 03
----------------	-----------------------------	-------------------

Introduction:

This course covers concepts and scientific research characteristics in business. Selections of appropriate research methods in research proposal writing are emphasized.

LEARNING OUTCOMES

Upon completion of this course, students should be able to:

1. Justify the approach in research to study the issue.
2. Adapt the use of research methods in business.
3. Produce scientific research proposals in the field of business.

Course Content

Week 1:

Module 1 – Business & Management Research

Week 2:

Module 2 – Critically Reviewing the Literature

Week 3-4:

Module 3 – Understanding Research Philosophy & Approaches to Theory Development
Research Problem, Objectives, Significance of the study, Hypothesis Development

Week 5:

Module 4- Formulating Research Design

Week 6:

Module 5 – Negotiating Access & Research Ethics

Week 7:

Module 6 – Selecting Samples

Week 8-9:

Module 7- Collecting Primary Data Using Semi-Structured, In-Depth & Group Interviews and

Week 10:

Module 8 – Analysing Qualitative Data

Week 11-12:

Module 9- Collecting Primary Data Using Questionnaires

Week 13-14:

Module 10- Writing and Presenting Your Report/Thesis Writing

SUGGESTED READINGS

1. Saunders, M., Lewis, P., & Thornhill, A. (2016). *Research Methods for Business Students*. (7th Edition). Harlow: Pearson.- MAIN TEXT
2. Bryman, A. & Bell, E. (2015). *Business Research Method*. (4th Edition). Oxford: Oxford University Press
3. Fisher, C. (2010). *Researching and Writing a Dissertation: An Essential Guide for Business Students*. New York: Prentice Hall.
4. Neuman, W.L. (2013). *Social Research Method: Qualitative and Quantitative Approaches*. (7th Edition). Boston: Allyn and Bacon.
5. Riley, M., Wood, R.C., Clark, M.A. & Wilkie, E. (2010). *Researching and Writing in Business and Management*. London: Thomson Learning

ARC-402	Ancient Art and Architecture of Pakistan and India	Cr. Hr. 03
----------------	---	-------------------

Course Description:

The land of Pakistan and India remained sacred for different religions such as Hinduism, Buddhism, Jainism and Islam. Since 3rd-2nd century B.C., religious buildings, particularly Hindu temples and Buddhist monasteries have been constructed at different parts of the subcontinents. The study of ancient architecture is essential since it has provided roots to the architectural tradition of the later ages.

Learning Outcomes:

The study of the course would increase the architectural vocabulary of the students and would familiarize them with different architectural tradition which was in vogue before the conquest of India by the Muslims.

Course Contents:

WEEK 1-3:

Module – 1: Architecture:

- Vedic Period architectural traditions
- Mauryan architecture
- Buddhist architecture: stupa, monastery, rock-cut sanctuaries, etc.
- Hindu and Jain architecture.

WEEK 4-6:

Module – 2: Art

- Mauryan art
- Shunga art
- Early Andhra art
- Later Andhra art
- Mathura art (Kushan Period)

WEEK 7-9:

Module - 3:

- Gandhara art (Kushan Period)
- Origin of the Buddha image
- Gupta art
- Ajanta cave paintings

WEEK 10-11:

Module 4:

- Gandhara School of Painting

WEEK 12-14:

Module 5:

- Iconography of Hindu Triad.

WEEK 15-16:

Module 6:

- Rock Art of Pakistan.

RECOMMENDED READINGS

1. Ackermann, H. C. *Narrative Stone Reliefs from Gandhara in the Victoria and Albert Museum in London, ISMEO Reports and Memoirs XVII*, Rome 1975.
2. Banerjea, J. N. *The Development of Hindu Iconography*, Calcutta 1956 (1st ed. 1941).
3. Bautze-Picron, C. (ed.) *Religion and Art: New Issues in Indian Iconography and Iconology*, London 2008.
4. Behrendt, K. A. *The Buddhist Architecture of Gandhara*, Leiden 2004.
5. Behrendt, K. A. *The Art of Gandhara in the Metropolitan Museum of Art*, New Haven/CT. 2007.
6. Bhattacharyya, B. *The Indian Buddhist Iconography*, Calcutta, 1963.
7. Blurton, T. R. *Hindu Art*, London, 1992.
8. Brown, P. *Indian Architecture Buddhist and Hindu Periods*, 3rd ed., rev. and enl., Bombay, 1956.
9. Chakrabarti, Mangala. *A Catalogue of Sculptures of Mathura School in the Indian Museum*, Indian Museum Calcutta 2006.
10. Cunningham, Sir A. *Stupa of Bharhut*.
11. Dani, A.H. *Gandhara Art of Pakistan*, Peshawar, 1968.
12. Foucher, A. *The Beginnings of Buddhist Art*, London, 1914.
13. Grunwedel, A. *Buddhist Art in India*, New Delhi, 1901, rev. & enl. Burgess, J., 1985.

14. Harle, J. C. *The Art and Architecture of the Indian Subcontinent*, London, 1986.
15. Harle, J. C. *Gupta Sculptures*, London, 1974.
16. Huntington, S. L. and Huntington, J. C. *The Art of Ancient India Buddhist, Hindu, Jain*, New York, Tokyo, 1985.
17. Ingholt, H. *Gandhara Art in Pakistan*, New York, 1957.
18. Jaffar, S.M. *Peshawar: Past and Present*, Peshawar, 1946.
19. Karttunen, K. *India and the Hellenistic World*, Helsinki 1997.
20. Khan, M. Ashraf. *A Catalogue of Gandhara Stone Sculptures in the Taxila Museum*, (2 vols), 2005.
21. Khan, Gul Rahim, (2015) *A Catalogue of Sculptures from Butkara III (Swat), Khyber Pakhtunkhwa in the SSAQ Museum of Archaeology and Ethnology, University of Peshawar*, Vol.I, Peshawar: Department of Archaeology, University of Peshawar
22. Knox, J. R. *Amaravati, Buddhist Sculpture from the Great Stupa*, British Museum, 1992.
23. Kurita, I. *Gandhara Art* (2 Vols), Tokyo 1998 (rept. 2003).
24. Marshall, J. *Taxila*, Cambridge, 1951.
25. Marshall, J. *The Buddhist Art of Gandhara*, Cambridge 1960.
26. Masih, F. *Temples of the Salt Range and North and South Kafirkot: A Detailed Analysis of Their Architecture and Decoration*, Lahore: University of the Punjab, 2015
27. Nasim Khan, M., *Buddhist Paintings in Gandhara*, Peshawar, 2000.
28. Nasim Khan, M. *Treasures from Kashmir Smast: The Earliest Śaiva Monastic Establishment*, Peshawar 2006.
29. Nasim Khan, M. *The Sacred and the Secular. Investigating the Stupa and Settlement Site of Aziz Dheri*, Peshawar Valley, Khyber Pakhtunkhwa (3 Vols), Peshawar, 2010.
30. Nehru, L. *Origin of Gandharan Style a Study of Contributory Influences*, Delhi, 1989.
31. Raducha, J. A. *Iconography of the Buddhist Relief Scenes from Kushan Mathura* (dissertation, University of Wisconsin), Madison 1982.
32. Rosenfield, J. M. *The Dynastic Arts of the Kushans*, Berkeley/Los Angeles 1967.
33. Rowland, B. *Art and Architecture of India Buddhist, Hindu, Jain*, London, 1953.
34. Rowland, B. *The Wall Paintings of India, Central Asia and Ceylon*, Boston, 1938.
35. Shah, Ibrahim, *Hindu Art of Pakistan: A Study Based on Museums Collection*, (PhD dissertation, unpublished), Department of Archaeology, University of Peshawar, 2007.
36. Sharma, R. C. (ed). *Interaction between Brahmanical and Buddhist Art*, New Delhi 2004.
37. Singh, M. *The Cave Paintings of Ajanta*, London, 1965.
38. Swati, M. F. *Gandhara Art in the Swat Valley, Pakistan: a study based on the Peshawar University collection* (Ph.D dissertation, Cambridge University), Cambridge 1997.
39. Varma, K. M. *Technique of Gandharan and Indo-Afghan Stucco Images*, Santiniketan 1987.
40. Willis, M. D. *Buddhist Reliquaries from Ancient India*, London 2000.
41. Yazdani, G. et al, *Ajanta*, Parts I-IV, Oxford, 1930-1955.
42. Zwalf, W. *A Catalogue of the Gandhara Sculpture in the British Museum* (2 vols.), London, 1996.

Journals:

- Archaeological Survey of India, Annual Report
- Ancient Pakistan
- Athariyyat (Archaeology)
- East and West
- Gandharan Studies
- Journal of the Asiatic Society of Bengal
- Journal of Asian Civilizations
- Lahore Museum Bulletin
- Pakistan Archaeology
- Pakistan Heritage

ARC-403	Muslim Architecture of Pakistan and India	Cr. Hr. 03
----------------	--	-------------------

Course Description

The course will familiarize the students with the origin and development of Muslim architecture on the soil of indo-Pakistan since the eight century AD. The course will cover the mosque, mausoleum, forts, and other architectural heritage of the Muslim period.

Course Outcomes

On completion of this course, the student would be able to identify sources and development of Muslim Architecture evolved under different ruling and community patrons.

Course Contents**WEEK 1-3:****16. Arab Period**

- Settlement pattern and architecture of Banbhore
- Settlement pattern and architecture of Mansurah.

WEEK 4-6:**17. Ghaznavid/Ghaurid Period**

- Tomb of Abdullah bin Haroon in Lasbela
- Udigram Mosque
- Tomb of Khalid bin Walid
- Tomb of Sadan Shaheed
- Tombs at Lal Mahra.

WEEK 7-9:**18. Sultanate Period**

- Monuments of Delhi and Ajmer: Quwwat-ul-Islam Mosque, Qutb Minar, Alai Darwaza, Tughlaqabad, Buildings of Feroz Shah Tughlaq, Tombs of Syeds and Lodhis, the Suri period buildings.

WEEK 10-12:

19. Mughal Period

- Monuments of Agra: Taj Mahal, Akbar's tomb
- Monuments of Delhi: Red Fort, Royal Mosque (or Shahi Masjid)
- Monuments of Fatehpur Sikri
- Monuments of Lahore: Badshahi Mosque, Wazir Khan Mosque, Shalimar Garden, Jahangir's tomb and Lahore Fort
- Monuments of Peshawar: Mahabat Khan Mosque, Palosi Piran complex
- Monuments of Thatta: Shah Jahan's Mosque and Dabagir Mosque, Makli Hill Monuments.

WEEK 13-16:

20. Regional Styles

- Monuments of the Kalhora and Talpur Rulers of Sindh
- Chaukandi type tombs of Sindh and Balochistan
- Monuments of the Punjab
- Monuments of the Khyber Pakhtunkhwa
- Wooden architecture of the Northern Areas of Pakistan.

RECOMMENDED READINGS

1. Abdur Rahman, *Islamic Architecture of Pakistan: An Introduction*, Peshawar, 1981.
2. Ali, T. *Anonymous Tombs in the Gomal Valley and the Beginning of Tomb Architecture in Pakistan*, Peshawar, 1988.
3. Arnold, T. et al, *Islamic Art and Architecture*, Goodword Books, 2001.
4. Brown, P. *Indian Architecture (The Islamic Period)*, Bombay, 1942.
5. Bunce, Fredrick W. (2004) *Islamic Tombs in India (Iconography and Genesis of their Design)*, New Delhi: D.K. Printworld.
6. Chughtai, M. A. *The Badshahi Masjid: History and Architecture*, Lahore, 1972.
7. Chughtai, M. A. *The Wazir Khan Mosque Lahore: History and Architecture*, Lahore, 1975.
8. Dani, A. H. *Thatta-Islamic Architecture*, Islamabad, 1982.
9. Ettinghausen, R. and Grabar, O. *The Art and Architecture of Islam 650-1250*, New Haven: Yale University Press, 1987.
10. Field, R. *Geometric Patterns from Islamic Art & Architecture*, Taurin Publications, 1998.
11. Guidebooks on *Thatta, Lahore Fort, Shalimar Garden, Banbhore*, Department of Archaeology and Museums, Government of Pakistan.
12. Hillenbrand, R. *Islamic Architecture: Form, Function and Meaning*, New York: Columbia University Press, 1994.
13. Kak, R.C. (1991) *Ancient Monuments of Kashmir*, Mirpur: Verinag Publishers
14. Khan, A. N. *Multan: History and Architecture*, Islamabad, 1983.

15. Khan, A. N. *Uchch: History and Architecture*, Islamabad, 1980.
16. Khan, A. N. *Development of Mosque Architecture in Pakistan*, Islamabad, 1991.
17. Khan, A. N. *Islamic Architecture in South Asia (Pakistan, India and Bangladesh)*, 2003.
18. Khan, A.N. (1997) *Studies in Islamic Archaeology*, Lahore: Sang-e-Meel
19. Masih, F. *Excavation at Sui Vihar and Archaeological Reconnaissance of South Punjab*, Lahore: University of the Punjab, 2013
20. Mookerjee, A., ed., *5000 Designs and Motifs from India*, Dover Publications, 1996.
21. Mumtaz, Kamil Khan. (1985) *Architecture in Pakistan*, Singapore: Koon Wah
22. Nath, R. *Architecture of Fatehpur Sikri*, Jaipur, 1988.
23. Nath, R. *The History of Sultanate Architecture*, New Delhi, 1978.
24. *Sultanate Period Architecture*, Anjumane M'amaran, Lahore, 1992.
25. Shah, I. *The Mahabat Khan Mosque and its Decorative Beauty* (M. Phil thesis, unpublished), Department of Archaeology, University of Peshawar, 1996.

ARC-404	Provincial Cultural Heritage	Cr. Hr. 03
----------------	-------------------------------------	-------------------

Course Description

This course is designed to acquire the knowledge about the basic concepts of provincial cultural heritage in Pakistan. This will help the students to get knowledge about the significance and scope of cultural heritage of the Khyber Pakhtunkhwa Province of Pakistan.

Course Outcomes:

After completion of this course, students will be able to understand the rich cultural heritage of the Khyber Pakhtunkhwa province. They will also visit the different Archaeological sites and monuments of the province to know about the unique and rich cultural heritage of Khyber Pakhtunkhwa

Course Contents:

WEEK 1-3: Module 01

Introduction to Cultural Heritage

Diverse Heritage of Khyber Pakhtunkhwa

WEEK 4-6: Module 02

Prehistoric and Proto Historic Period Heritage

- Ghalegai Cave, Tangonawo Smast, Butkara II, Loe Banr, Gogdara Rock carvings,

WEEK 7-9: Module-03:

The Historic Period Heritage

- Cultural profile of Bala Hisar Mound Charsadda, and Barikot (the ancient Bazira site of Swat),

WEEK 10-12: Module-04:

The Buddhist and Hindu Period Heritage

- Buddhist sites of Takht-i-Bhai, Jamal Garhi, Sahri Bahlol, Ranigat, Aziz Dheri, Julian, Bhamala, Buddhist Road of Shahkot and Malakand, Kashmir Smast, Hindu Temples of Kafir Kot, Hindu Temples of Peshawar, Gandian Temple Mansehra, Raja Gira Castle.

WEEK 13-14:

Module 05:

The Muslim Period Heritage

Shaikh Qutb-ad-Dīn's Tomb at Dalazāk, Mughal Sarai at Gor Khuttri, Bara Bridge, Azakhail Bowli, Hund fort, Durrani graveyard at Kohat, Sethi House Peshawar Wooden Architecture of Dir, Swat

WEEK 15:

Module 06:

The Sikh and British Period Legacy. Sikh Gurudwaras of Peshawar, Bala Hisar Fort, Islamia College, Peshawar Museum, Malakand hydropower Tunnels, Churches of Peshawar, Mardan and Abbottabad.

WEEK 16:

Practical

- Visits to different Museums of Khyber Pakhtunkhwa
- Visits to Heritage monuments and sites of Khyber Pakhtunkhwa

RECOMMENDED READINGS

1. Ashraf Khan. M. & Mahmood-ul-Hassan (2010). A New Discovery in the Taxila Valley: Archaeological Excavations at the Buddhist Monastery of Jinan Wali Dheri, *Gandhāra the Buddhist Heritage of Pakistan: Legends, Monasteries, and Paradise*, 302-307
2. Bagnera. A. (2006). Preliminary Note on the Islamic Settlement of Udegram, Swāt: The Islamic Graveyard (11th -13th Century A.D), *East & West*, Vol. 56, No. 1/3, 205-228
3. Behrendt. K. (2004). *The Buddhist Architecture of Gandhāra*, Leiden: Brill Publishers
4. Bellew. H.W. (Rep 2001). *A General Report on the Yusufzai*, Lohore: Sang-e-Meel Publications. First published in 1864
5. Bivar. A. D.H. (1996). Zar-Dheri: An Unrecorded Gandhāra Stūpa and a Possible Provenance, *South Asian Studies*, Vol. 12, 139-45
6. Callieri et al (2000). Bir-Kot- ghwandai, Swat, Pakistan. 1998-1999 Excavation Report, *East and West*, Vol.50, No. 1/4, 191-226
7. Dani, A.H. (2002). Peshawar Historic City of the Frontier. Sang-e-Meel Publications, Lahore.
8. Errington. E. (1987a). *The Western Discovery of the Art of Gandhāra and the Finds of Jamal Garhi*, Ph.D. Thesis submitted to the School of Oriental and African Studies, University of London
9. Hargreaves. H. (1910-11). Excavations at Takht-i-Bahi, *Archaeological Survey of India. Annual Report 1910-11*, 33-45
10. Khan. A.N. (1991). *Development of Mosque Architecture in Pakistan*, Islamabad: Lok Virsa Publishing House
11. Khan. Z. et al. (2012). A Note on the Archaeological Significance of Hund, *Putaj*, Vol.19, 77-92
12. Marshall. J. (1918). *A Guide to Taxila*, Calcutta: Government Printing
13. Meister. M. W. (2010). *Temples of the Indus*. Studies of the Hindu Architecture of Pakistan, Boston

14. Mizuno. S and Higuchi. T (Edited 1978). *Thareli Buddhist site in Pakistan Surveyed in 1963-67*, Dohosha: Publication of the Kyoto University Scientific Mission to Iranian Plateau
15. Nasim Khan. M. (2006). *Treasures from Kashmir Smast (The Earliest Śaiva Monastic Establishment)*, Peshawar: New Awan Printers
16. Nasim Khan. M. (2010a). *The Sacred and the Secular: Investigating the Unique Stūpa and Settlement site of Aziz Dheri, Peshawar Valley, Khyber Pakhtunkhwa, Pakistan*, Vol. 1, Peshawar: Printograph Publishers
17. Olivieri. L. M. (2014). *The Last Phases of the Urban Site of Bir-Kot-Ghwandai (Barikot) The Buddhist Sites of Gumbat and Amluk-Dara (Barikot)*, Lahore.
18. Rahman, A. (1981). 'Shaikh Imam Al-Din and his tomb at Palosai Piran', The Proceedings of the Hijra Celebration Symposium on Islamic Art, Calligraphy, Architecture and Archaeology, Vol. I. Publication of the Department of Archaeology, University of Peshawar.
19. Rahman. A. (1979). *The Last Two Dynasties of the Śāhis*, Islamabad: Quai-i-Azam University
20. Rahman. A. (1989). Ghaznavid Remains in the N.W.F. Province, *Central Asia*, No.24, Summer, 85-93
21. Shah. I. (2002). Discovery of the Remains of the Mughal Period Bridge on the Zinda'i Stream: The Provenance of the So-called Bara Bridge Inscription, *Ancient Pakistan* Vol. XV, 27-35
22. Shah. I. (2002). The Mahabat Khan Mosque Peshawar: History and Architecture, *The Journal of Humanities and Social Sciences*, Vol. X :II, 13-24
23. Shah. I. (2007). *Hindu Art in Pakistan: A Study based on Museum collection*, Ph.D. Thesis (Unpublished), Submitted to the Department of Archaeology, University of Peshawar
24. Shah. I. (2010). A Short Survey of Hindu Temples in Peshawar, *South Asian Studies*, 24:1, 119-132
25. Shah. I. (2013). The Śaiva Temple at Gāndhiyān (near Mānsehra): Some Connected Problems *South Asian Studies*, 29:2, 229-240
26. Shah. I. (2016). Hindu Iconography in the Gor Khatri Temple (Peshawar): Sacred Imagery painted in the Saiva Shrine, *South Asian Studies*, 32:2, 185-198
27. Shakirullah (2012). Tomb Architecture in the Khyber Pakhtunkhwa Province of Pakistan: An Analytical Study. PhD Dissertation submitted to the Institute of Archaeology & Social Anthropology, University of Peshawar.
28. Spooner. D.B. (1909). Excavations at Sahribahlol, *Archaeological Survey of India. Annual Report 1906-7*, 102-18
29. Yoshihide. K. et.al. (2011). *Zar Dheri Archaeological Excavation of an Ancient Buddhist Site in Pakistan*, Tokyo: ublication of the Tokyo National Museum, Japan

GEO-405	GIS and Remote Sensing	Cr. Hr. 03
----------------	-------------------------------	-------------------

Objectives and Learning Outcomes

The basic aim of the course is to understand basic knowledge regarding GIS, RS and different types of data sets and data models, to understand the concepts of RS and satellite image processing techniques and to analyze spatial data.

Course Contents:

Week-1: Introduction to Geographic Information System (GIS)
 Week-2: Data types uses in the GIS environment
 Week-3: Data models and structures
 Week-4: Data sources and capturing techniques
 Week-5: Displaying and manipulating spatial information
 Week-6: Vector data preparation in the GIS
 Week-7: Field survey and data acquisition using GPS
 Week-8: *Presentations, Quizzes and Assignments*
 Week-9: Introduction to the concept of RS
 Week-10: An overview to the electromagnetic spectrum, atmospheric interaction
 Week-11: Technology of Remote Sensing (Orbits, Satellites, Sensors and Platforms);
 Week-12: Applications of Remote Sensing in Earth Sciences
 Week-13: Satellite image processing cycle
 Week-14: Image enhancement techniques
 Week-15: Data fusion and mosaicking and information extraction (classification and vectorization)
 Week-16: *Presentations, Quizzes and Assignments*

Labs: Introduction to ArcGIS, Exploring GIS Dataset in ArcCatalog, Working on vector data in ArcGIS (Scanning, Digitization and Editing), Integrating GPS data in GIS Environment, Applications of GIS, ERDAS Imagine - Environment, Noise Corrections, Geometric Corrections, Radiometric Corrections.

Recommended Books

1. Introduction to Geographic Information Systems by Kang-Tsung Chang. 2010. McGraw-Hill Publishers.
2. GIS: Fundamentals, Applications and Implementations by Elangovan. 2006. McGraw-Hill Publishers.
3. Michael N. Demers 2002, Fundamentals of Geographic Information System, John Wiley and Sons, Inc., Singapore.
4. Thomas M. Lilles and Ralph W. Kiefer, 2000, Remote Sensing and Image Interpretation John Wiley and Sons.
5. James B. Campbell, 1996, Introduction to Remote Sensing, the Guilford Press, New York, USA.

Semester-VIII				
Category	Code	Title	Cr.Hrs.	Marks
Compulsory	THQ-456	Teaching of Holy Quran with Translation, Tajveed and Tafseer	Non-Credit	Pass/Fail
Major	ARC-451	Numismatics of Pakistan and India.	3	100
Major	ARC-452	Paleography and Epigraphy of Pakistan and India	3	100
Major	ARC-453	Muslim Art: Calligraphy, Painting, Minor Arts & Crafts	3	100
Major	ARC-454	Archival Studies	3	100
Project	PRO-455	Capstone Project/Thesis	3	100
Total			15	

ARC-451	Numismatics of Pakistan and India	Cr. Hr. 03
----------------	--	-------------------

Course Description:

Numismatics is the science of coins and medals. It treats with the study ancient coins and medals issued by kings and monarchs of different ancient ruling dynasties of India and Pakistan. The course is designed for knowing the role of numismatics in the reconstruction of dynastic history of Indo-Pakistan.

Course Outcomes

On completion, the student would be able to learn about the history and development of coinage, to reconstruct ancient history, to study sundry aspects of cultural, socio-economic, political and religious conditions, science of manufacturing coins, metallurgy, ores of different metals, making alloys, etc.

Course Contents

This course is divided into two parts:

- Numismatics of Pre-Muslim period of Pakistan and India and
- Numismatics of Muslim period of Pakistan and India.

WEEK 1-5:

21. Introduction

- Numismatics: Definition, scope problems and significance
- Metallurgical studies
- Mints
- Cataloguing
- History of coins
- Techniques of manufacturing coins.

WEEK 6-10:

22. Numismatics: Pre-Muslim Period

- Antiquity of coinage in Pakistan and India
- Punch marked coins
- Indus-Greek coins
- Coins of the Indo-Scythians and Indo-Parthians
- Kushan coins
- Huna coins
- Hindu Shahi coins.

WEEK 11-16:

23. Numismatics: Muslim Period

- Arab period Coins in Pakistan
- Coins of the Ghaznavid and Ghaurid rulers
- Coins of the early Sultanate period (the Khaljis, Tughlaqs, Sayyeds, Lodhis, Suris)
- Coins of the Mughal rulers
- Coins of the Durrani and the Sikhs
- Coins of the Colonial period.

RECOMMENDED READINGS:

1. Abdur Rahman, *The Last Two Dynasties of the Shahis*, Islamabad, 1979. Allan, J.
2. Bhandarkar, D. R. *Lectures on Ancient Indian Numismatics*, Patna, rpt. 1984.
3. Bopearachchi, O. and Amanur Rahman, *Pre-Kushana Coins in Pakistan*, Islamabad, 1995.
4. Bopearachchi, O. *Indo-Greek, Indo-Scythian and Indo-Parthian Coins in the Smithsonian Institute*, Washington, 1993.
5. Chakraborti, S. K. *Socio-religious and Cultural Study of the Ancient Indian Coins*, Delhi, 1986.
6. Cooper, R. D. *The Art and Craft of Coin Making: A History of Minting Technology*, London, 1988.
7. Cribb, J. *Money: from Cowerie Shell to Credit Cards*, London, 1986.
8. Cunningham, A. *Coins of Medieval India from the Seventh Century Down to the Muhammadan Conquests*, London, 1894, rpt. 1967.
9. Cunningham, A. *Later Indo-Scythians*, Vol. II, rpt. Varanasi, 1962.
10. Gardner, P. *The Coins of the Greek and Scythic Kings of Bactria and India in the British Museum*, London, 1886, 1st American ed., Chicago, 1966.
11. Khan Lanepole, *Catalogue of the Muslim Coins in the British Museum*
12. Mitchiner, M. *The Origin of Indian Coinage*, London, 1973.
13. Narain, A. K. *Indo-Greeks*, Oxford, 1957.
14. Nasim Khan, M. *Treasures from Kashmir Smast – The Earliest Shivaite Monastic Establishment*. Peshawar. 2006.

15. Nasim Khan, M. *The Sacred and the Secular. Investigating the Unique Stupa and Settlement Site of Aziz, Peshawar Valley, Khyber Pakhtunkhwa* (3 Vols). Peshawar. 2010.
16. Nasim Khan, M, Errington, E and Cribb, J. *Coins from Kashmir Smast – New Numismatic Evidence*. Peshawar. 2008.
17. Rosenfield, J. M. *The Dynastic Arts of the Kushans*, Barkeley/Los Angeles, 1967.
18. Sahni, B. *The Technique of Casting Coins in Ancient India*, Memoirs of the Numismatic Society of India, Vol. I, Bombay, 1945.
19. Singh, S. S. *Early Coins of North India: An Iconographic Study*, New Delhi, 1984.
20. Smith, V.A. *Coins of Ancient India*, Vol. I of *Catalogue of the Coins in the Indian Museum, Calcutta*, Oxford, 1906-19, rpt. Varanasi, 1972.
21. Thomas, E. *The Chronicles of the Pathan Kings of Delhi*, rpt. Delhi, 1967.
22. Whitehead, R. B. *Catalogue of Coins in the Punjab Museum*, Vol. III, rpt. Lahore, 1977. Whitehead, R. B. *Catalogue of Coins in the Punjab Museum*, Lahore, Vol. I, Oxford, 1914.
23. Whitehead, R.B. *Catalogue of Coins in the Lahore Museum*, Lahore, Vol II, Coins of the Mughal Emperors, Lahore, rpt. 1977.
24. Wilson, H. H. *Ariana Antiqua A Descriptive Account of the Antiquities and Coins of Afghanistan*, London, 1841, rpt. Delhi, 1971.
25. Wright, N. H. *The Coinage and Metrology of the Sultans of Delhi*, rpt. Delhi, 1974.

Journals:

Ancient Pakistan

Archaeological Survey of India, Annual Reports

East and West

Frontier Archaeology

Gandharan Studies

Journal of the Asiatic Society of Bengal

Journal of Asian Civilizations

Numismatics Digest

Pakistan Archaeology

ARC-452	Paleography and Epigraphy of Pakistan and India	Cr. Hr. 03
---------	---	------------

Course Description:

Paleography is the science of the deciphering, transliteration and translation of ancient scripts carved or engraved on the surface of stone, metals, pottery and bones or any other durable material by ancient people. It also involves the study of birch bark manuscripts and thus forms an important source of the ancient history of India and Pakistan.

Course Outcomes

After completing this course, the student would be able to know about the origin and development of ancient scripts, styles, use of ancient languages in epigraphs, techniques of engraving on hard surfaces of rocks, slabs, metal plates, etc. The major outcome of this course would be to know about valuable historical data contained within these epigraphs.

Course Contents

WEEK 1-2:

1. Introduction to different ancient Indian scripts

WEEK 3-4:

2. Origin of writing in Pakistan and India (South Asia)

WEEK 5-6:

3. Indus Script

- History of discovery
- Area
- Period
- Materials
- Origin
- Decipherment.

WEEK 7-8:

4. Brahmi Script

- Area
- Materials
- Characters and symbols
- Origin
- Decipherment
- Development
- Mauryan or Early style
- Provincial style
- Regional style
- Proto-Sharada
- Sharada
- Devanagari.
- Tibetan

WEEK 9-10:

5. Kharoshthi Script

- Area
- Materials
- Characters and symbols
- Origin
- Decipherment
- Development
- Ashokan style
- Scytho-Parthian style or transitional phase of writing
- Kushan style or cursive form of writing
- Decline

WEEK 11-13:

6. Pushkarasari Script

- History of discovery
- Area
- Period
- Materials
- Origin
- Decipherment
- Characters and symbols
- Development

WEEK 14-16:

7. Epigraphy

- Importance of Epigraphic research in Archaeology
- History of Epigraphic research in Archaeology
- Survey of the Epigraphic records
- Epigraphy as a source of ancient history of Pakistan and India.

RECOMMENDED READINGS

1. Agrawala, P. K. *Imperial Gupta Epigraphs*, Varanasi, 1983.
2. Bhandarkar, D. R. *A List of Inscriptions of Northern Indian in Brahmi and Its Derivative Scripts, from about 200 A.C.*, Appendix to *Epigraphia Indica*, Vols. 19-23, Calcutta, 1932-38.
3. Buhler, G. *Indian Palaeography*, Appendix to *The Indian Antiquary*, Calcutta, 1904, rpt. 1959.
4. Burgess, J. *Epigraphia Indica*, Vol. II, Indian rpt. 1970.
5. Burgess, J. *Report on the Buddhist Cave Temples and Their Inscriptions*, Varanasi. Rpt. 1964.
6. Burgess, J. *Corpus Inscriptionum Indicarum*, Vol. II Calcutta,
7. Cunningham, A. *Corpus Inscriptionum Indicarum*, Vol. I, *Inscriptions of Asoka*, Varanasi, rpt. 1961.
8. Dani, A. H. *Indian Palaeography*, Oxford, 1963.
9. Dani, A. H. *Kharoshthi Primer*, Lahore, 1979.
10. Hultzsch, E. *Corpus Inscriptionum Indicarum*, Vol. I, *Inscriptions of Asoka*, Oxford, 1925.
11. Konow, S. *Corpus Inscriptionum Indicarum*, Vol. II, Calcutta, 1929.
12. Nasim Khan, M. *Treasures from Kashmir Smast – The Earliest Shivaite Monastic Establishment*. Peshawar. 2006.
13. Nasim Khan, M. *Kharoshthi Manuscripts from Gandhara* (Rprt.). Peshawar. 2009.
14. Nasim Khan, M. *The Sacred and the Secular. Investigating the Stupa and Settlement Site of Aziz, Peshawar Valley, Khyber Pukhtoonkhwa* (3 vols). Peshawar. 2010.
15. Pandey, R. B. *Indian Palaeography*, Banaras, 1952 (2nd ed. 1957).
16. Salomon, R. *Indian Epigraphy*, New Delhi, 1998.

17. Sircar, D. C. *Indian Epigraphical Glossary*, Varanasi, 1966.
18. Sircar, D. C. *Indian Epigraphy*, Delhi, 1965.
19. Upasak, C. S. *History and Palaeography of Kharoshthi Script*, Varanasi, 2001.

Journals:

Ancient Pakistan
 Athariyyat
 Bulletin d'Ecole Française d'Extrême Orient
 Epigraphia Indica
 Journal of Asian Civilizations
 Journal of Humanities and Social Sciences
 Journal of the Royal Asiatic Society
 Indian Archaeological Studies
 Gandharian Studies
 Pakistan Archaeology
 Silk Road Art and Archaeology
 South Asian Studies.

ARC-453	Muslim Art: Calligraphy, Painting, Minor Arts & Crafts	Cr. Hr. 03
----------------	---	-------------------

Course Description

The course is developed for knowing the development of different artistic activities initiated during the reign of the Muslim rule in Arabia, Mesopotamia, Persia, Egypt, and the Indo-Pakistan. The major artistic activities were calligraphy, painting, book illumination, ceramic manufacturing, glazing, carving, and engraving etc.

Course Outcomes

After completing the course, the student would be able to analyze different types of Muslim Arts as developed in various parts of the world.

Course Contents

WEEK 1-5:

24. Calligraphy

- Origin and development of Arabic script
- Status or position of a calligrapher
- Significance of calligraphy in Islamic arts
- Origin and development of calligraphy
- Principal forms of calligraphy
- Sub styles of calligraphy
- Master calligraphers of Pakistan.

WEEK 6-10:

25. Schools of Painting

- Early Arab
- Mesopotamian

- Mongol
- Persian
- Mughal.

WEEK 11-16:

26. Minor Arts & Crafts

- Metalwork
- Glasswork
- Woodwork
- Book illumination
- Bookbinding
- Ceramics

RECOMMENDED READINGS

1. Binyon, Wilkinson and Gray. *Persian Miniature paintings*.
2. Brown, P. *Indian Painting*, Calcutta, 1917, 7th ed. 1960.
3. Brown, P. *Indian Paintings Under the Mughals*, Oxford, 1924.
4. Chughtai, M. A. *Fanoon-e-Latifa ba- 'ahdi Aurangzeb* (Urdu) Coomaraswamy, A., *Mughal Paintings Craft and Textiles of Sindh and Baluchistan*, Institute of Sindhology, Jamshoro, 1982.
5. *Crafts of Punjab and Muree Hill*, Punjab Small Industry Corporation, 1986.
6. Critchlow, K. *Islamic Patterns: An Analytical and Cosmological Approach*, Slovenia, 1976, rpt. 1992.
7. Das, A.K. *Splendour of Mughal Paintings*, Bombay, 1986.
8. Dimand, M. A. *A hand book of Mohammaden Art Encyclopaedia of Arts*, London, 1966.
9. Ettinghausen, R. *Arab Painting*, London, 1962.
10. Gray, B. *Persian Painting*, London, 1961.
11. Gray, B. *The Arts of India*, Oxford, 1981.
12. Humbert, C. *Islamic Ornamental Design*, London, 1980.
13. Kalter, J. and Thames H. *Arts and Craft of Swat Valley*, 1991.
14. Khatibi, Abdelkadir, *The Splendour of Islamic Calligraphy*, rpt. London, 2001.
15. Losos, L. *Painting Techniques*, London, 1987.
16. Mortin, F. R. *The Miniature Painting and Painters of Persia, India and Turkey*, I, II, London, 1912-1917.
17. Porter, V. *Islamic Tiles*, New York, 1995.
18. Riaz-ud Din, A. *Traditional Arts and Crafts of India and Pakistan*, Rogers, J. M. *Mughal Miniatures*, London, 1993.
19. Rice, D.T. *Islamic Art*:
20. Ziauddin T. W. *Muslim Calligraphy*.

ARC-454	Archival Studies	Cr. Hr. 03
---------	------------------	------------

Course Objectives

This course introduces students to the fundamental concepts, theories, and practices of managing

records and historical documents. It equips students with knowledge of archival principles such as appraisal, arrangement, description, preservation, and access, and highlights the role of archives in society, professional ethics, and the impact of digital technologies on archival management.

Learning Outcomes

By the end of this course, students will be able to:

1. Explain the concepts, scope, and functions of archival studies.
2. Understand the nature and significance of records in historical and administrative contexts.
3. Apply archival principles of appraisal, arrangement, description, preservation, and access.
4. Recognize ethical issues and professional responsibilities in archival practice.
5. Evaluate the challenges and opportunities posed by digital technologies in archival management.
6. Gain practical exposure to archival practices through field visits and assignments.

Weekly Course Outline (16 Weeks)

Week 1: Introduction to Archival Studies

- Definition, scope, and importance of archives
- Archives vs. libraries and museums

Week 2: Historical Development of Archives

- Evolution of archival practice globally and in South Asia
- Establishment of the Archaeological Survey of India and archival developments in Pakistan

Week 3: Nature of Records

- Types of records: public, private, institutional, personal
- Characteristics of archival records

Week 4: Functions and Principles of Archives

- Records lifecycle (creation to archival stage)
- Principles of provenance and original order

Week 5: Appraisal of Records

- Criteria for selection
- Methods of appraisal

Week 6: Arrangement of Records

- Systems of arrangement
- Case studies and practical exercises

Week 7: Description of Records

- Standards for description (ISAD(G), DACS)
- Finding aids, inventories, and metadata

Week 8: Midterm Examination

Week 9: Preservation of Archival Materials

- Environmental control (temperature, humidity, light)
- Preventive conservation methods

Week 10: Conservation of Archival Materials

- Techniques for paper, manuscripts, photographs, maps

- Disaster preparedness

Week 11: Access and Use of Archives

- Reference services and user policies
- Balancing access, confidentiality, and copyright

Week 12: Professional Ethics in Archival Studies

- ICA and SAA codes of ethics
- Ownership, cultural sensitivity, and repatriation

Week 13: Archives in the Digital Age

- Digital records and e-archives
- Challenges of digital preservation
- Introduction to digital repositories

Week 14: Archives and Society

- Role of archives in nation-building and identity
- Public history and community archives

Week 15: Practical Component – Field Visit

- Field visit to the Directorate of Archives and Libraries, Peshawar
- Practical exposure to appraisal, arrangement, description, and digitization practices

Week 16: Student Presentations & Review

- Group presentations on field visit experiences and case studies
- Course wrap-up and final review

Practical

Field visit to the Directorate of Archives and Libraries, Peshawar

- Practical assignments (arrangement, description, preservation reports)

Suggested Readings

1. Millar, L. (2017). *Archives: Principles and Practices*. Facet Publishing.
2. Schellenberg, T.R. (2003). *Modern Archives: Principles and Techniques*. Chicago: University of Chicago Press.
3. Hunter, G.S. (2010). *Developing and Maintaining Practical Archives: A How-to-do-it Manual*. Neal-Schuman Publishers.
4. Eastwood, T. (1994). *Archives, Records, and Power*. Archival Science.
5. Conway, P. (2010). *Preservation in the Digital World*. Council on Library and Information Resources.
6. Yakel, E. (2003). *Starting an Archives*. Society of American Archivists.
7. International Council on Archives (ICA). *Code of Ethics*
8. Duranty, L., & Franks, P.C. (2015). *Encyclopedia of Archival Science*. Rowman & Littlefield.
9. Ketelaar, E. (2001). *Tacit Narratives: The Meanings of Archives*

PROJ-455	Capstone Project	Cr. Hr. 03
-----------------	-------------------------	-------------------

COURSE DESCRIPTION: A capstone project is multifaceted body of work that serves as a culminating academic and intellectual experience for students. The capstone project (preferably undertaken after the fourth semester) must be supervised and graded by a faculty

member as per the protocols prescribed by the concerned department. This is a mandatory degree award requirement of 3 credit hours for all undergraduate/equivalent degree programs (except for associate degrees).

COURSE OBJECTIVE:

The students will undertake the project work on the topic assigned by the concerned guide in consultation with the department on the various issues, problems, themes, case studies, tourism organization study, field survey and relevant aspects pertaining to the tourism industry in groups or individuals. The Project Report will be of 100 marks, which will be assessed by the Internal and External examiner.