

**CURRICULUM**  
**FOR**  
**TWO-YEAR ASSOCIATE DEGREE / BS (4-YEAR) IN**  
**ARCHAEOLOGY**  
**(PER HEC-UG-EDUCATION 2023 POLICY)**



**DEPARTMENT OF ARCHAEOLOGY**  
**UNIVERSITY OF MALAKAND**  
**2023- ONWARD**

Assistant Registrar  
(Academics)  
University of Malakand  
05-Dec-2023

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DEPARTMENT OF ARCHAEOLOGY  
UNIVERSITY OF MALAKAND



Ref: No: UOM/ARC/ 112

Dated: 04-10-2023

**Subject: Minutes of the Meeting of Board of Studies in Archaeology**

Respected Sir,

The subject meeting was held on **Wednesday October 4, 2023 at 11:00 am** in the Department of Archaeology, University of Malakand. The meeting commenced with the recitation from the Holy Qur'an. The meeting was convened by Prof. Dr. Arab Naz, Convener of the BOS and Chairman of the Department.

The following members attended the meeting in which the external members were present online while the internal members were present physically:

Prof. Dr. Arab Naz, Convener and Chairman, Department of Sociology, UOM	in Chair
Prof. Dr. Gul Rahim Khan University of Peshawar	Member
Prof. Dr. Ghani Ur Rehman, Director of TIAC QAU Islamabad	Member
Mr. Muhammad Sohail Assistant Professor, GPGC Timergara	Member
Mr. Nangyalay Khan Research Associate	(Co-Opt)

The following agenda item was discussed during the meeting:

**Agenda item 1: VISION, MISSION, AND OBJECTIVES OF THE DEPARTMENT OF ARCHAEOLOGY**

**Discussion:**

The board discussed the vision and mission in light of the requirement of the QEC of the of the department, and after detailed discussion considered the following vision and mission with slight modification and recommended the same for consideration of BOF.

**Vision**

Our vision is to become a center for archaeological knowledge by maintaining and building student-faculty academic and research service through provision of comprehensive learning opportunities, making connections with the larger community through professional research and outreach activities.

**Mission**

Our mission is to unveil the mysteries of the past, preserve our culturally rich heritage, educate our students as future generation of archaeologists. We are dedicated to providing dynamic education that inspires a deep love for archaeology, emphasizing practical experiences, research, and hands-on exploration. As guardians of our region's cultural legacy, we are committed to protecting ancient sites and artifacts, ensuring they endure for generations to come and to attract and facilitate the global archaeological community, celebrating the diversity of human history and fostering an appreciation for different cultures.

The part related to the objectives of the department was differed to the next BOS for making it more practical and simpler in line with University objectives and vision mission.

**Agenda item-2: SCHEME OF STUDIES FOR ASSOCIATE DEGREE/BS (4-YEAR) ARCHAEOLOGY AND GENERAL COURSES FOR SOCIAL SCIENCES AS PER UG-POLICY-2023.**

**Discussion:**



The convener briefed the members about the subject agenda item. The input of the external members participated in the meeting online. After detailed deliberation and consent of the external member the following were recommended:

1. The board unanimously approved the proposed scheme of studies as per the format of the HEC and UOM, and suggested that the old courses be included in the detailed syllabus. The BOS also recommended the same for consideration of the BOF.
  2. In the general education courses, the course related to “Introduction to Archaeology” was included for general courses in the social sciences and the same was recommended for consideration of the BOF.
- The meetings ended with a vote of thanks to/by the chair.

**Chairman Archaeology /Dean FSS  
University of Malakand**

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**VISION, MISSION, AND OBJECTIVES OF THE DEPARTMENT OF ARCHAEOLOGY**

**Introduction**

The Department of Archaeology at the University of Malakand offers a BS (4-Year) degree program, taking students on a journey through time and to explore the mysteries of history and cultural heritage. Nestled in the culturally rich region of Malakand, the department of archaeology is dedicated to unearthing, preserving, and celebrating the treasures of ancient civilizations. As stewards of archaeological knowledge, we provide an engaging learning environment, preparing students for leadership in the field of archaeology and inspiring them to become guardians of our past, explorers of the present, and builders of a culturally rich future. With a commitment to research, preservation, education, and community engagement, we aim to not only understand history but also actively contribute to its protection and appreciation.

**Vision**

Our vision is to become a center for archaeological knowledge by maintaining and building student-faculty academic and research service through provision of comprehensive learning opportunities, making connections with the larger community through professional research and outreach activities.

**Mission**

Our mission is to unveil the mysteries of the past, preserve our culturally rich heritage, educate our students as future generation of archaeologists. We are dedicated to providing dynamic education that inspires a deep love for archaeology, emphasizing practical experiences, research, and hands-on exploration. As guardians of our region's cultural legacy, we are committed to protecting ancient sites and artifacts, ensuring they endure for generations to come and to attract and facilitate the global archaeological community, celebrating the diversity of human history and fostering an appreciation for different cultures.

**CATEGORIES OF COURSES**

Sr.	Categories	No. of courses Min – Max	Credit Hours Min – Max
1.	General Education Courses (Cluster)	12	30
2.	Major Courses	24 – 28	72 – 84
3.	Interdisciplinary Courses	04-06	12
4.	Internship/Field Work	01	03
5.	Capstone Project/Field Experience/Thesis	01	03
	<b>Total</b>	<b>42 – 48</b>	<b>120 – 132</b>

➤ Total Numbers of Credit Hours 120-142 (132 offered)



➤ Duration	4 years
➤ Semester Duration	16-18 Weeks
➤ Semesters	8
➤ Course Load per Semester	15-18 Credit Hours
➤ Number of Courses per Semester	5-7

### LAYOUTS OF COURSES

General Education Cluster	Number of Courses	Credit Hours	Course(s) Selected
Arts and Humanities *	1	02	ISL 113. سیرت رسول ﷺ اور اس کی عصری معنویت Seerah and its Contemporary Application/Any course from the Arts and Humanities can be offered for Non-Muslim students
Natural Sciences *	1	03 (2+1)	Chemistry in everyday life / General Science
Social Sciences *	1	02	Introduction to Sociology
Functional English **	1	03	Functional English
Expository Writing **	1	03	Expository Writing
Quantitative Reasoning I & II**	02	06	Mathematics & Statistics
Islamic Studies **/Ethics for Non-Muslim students	1	02	Islamic Studies/Ethics for non-Muslim students
Ideology and Constitution of Pakistan **	1	02	Ideology and Constitution of Pakistan
Information and Communication Technologies (ICT) **	1	03 (2+1)	Information and Communication Technologies (ICT)
Entrepreneurship **	1	02	Entrepreneurship
Civics and Community Engagement **	1	02	Social Problems of Pakistan
<b>Total</b>	<b>12</b>	<b>30</b>	

\*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.

Major Courses			
Number of Courses			
24 -28			
Credit Hours			
72 – 80			
Courses	Credit Hours	Courses	Credit Hours



ARC 111 Principles of Archaeology	3	ARC 215 Provincial Cultural Heritage	3
ARC 113 Introduction of Archaeology (General Education Course)	3 2	ARC 411 Art, Crafts and Calligraphy	3
ARC 211 Ancient History of South Asia	3	ARC 412 Muslim Art and Architecture of South Asia	3
ARC 112 Archaeological Heritage of Pakistan	3 3	ARC 413 Ancient Art and Architecture of South Asia	3
ARC 212 Pre-Historic Archeology of Pakistan	3 3	ARC 414 Numismatics of Indo-Pak	3
ARC 213 Proto History of Archeology in Pakistan	3 3	ARC 415 Research Methodology	3
ARC 311 Ancient Religions	3	ARC 416 Paleography and Epigraphy	3
ARC 312 Field Archaeology	3	ARC 216 Ancient trade Networks	3
ARC 313 Museum Studies	3	ARC 417 Gandhara Civilization	3
ARC 214 Growth of Archaeology in South Asia	3 3	ARC 418 Archaeological Conservation and preservation	3 3
ARC 315 Ancient Civilizations	3	ARC 421 Research Methodology	3
ARC 316 Indus Valley Civilization	3	ARC 419 Rock Art of Pakistan	3
	3	ARC 317 Archaeology of Afghanistan and Central Asia	3 3
	3	ARC 318 Digital archaeology	3
	3	ARC 319 Marine archaeology	3
	3	ARC 321 Archaeology and gender	3
	3	ARC 322 Ancient world Civilizations-II (China, Greece and Rome	3 3
	3	ARC 217 Study of Archives	
		ARC 221 Heritage Management	
		ARC 323 Jaina Heritage of Pakistan	

Interdisciplinary Courses		Internship/Fieldwork
4 Courses		01
12 Credit Hours		03 Credit Hours
Courses	Credit Hours	Internship and Capstone Project/Thesis
Any four of the following		1+1
1. THM 112 Tourism Resources of Pakistan	3	03+3 Credit Hours
2. THM 122 Tourism concepts and principles	3	ARC 325 Field Experience/Internship
3. Geol 201 Principles of Stratigraphy	3	ARC 500 Capstone Project
4. ARC 324 Cultural Anthropology	3	
5. ARC 314 Physical Anthropology	3	
6. ARC 218 Muslim History of South Asia	3	
7. ARC 219 Environmental Archaeology	3	
	3	
	<b>12</b>	<b>3 + 3</b>

#### SEMESTER WISE DISTRIBUTION OF COURSES

Semester First- Year One				
Course Code	Title of Course	Marks	Credit Hours	Nature of course
QR 101	Quantitative Reasoning-I (Mathematics)	100	03	Gen Ed
THM 122	Tourism Concepts and Principles	100	03	Int-dis
ARC 111	Principles of Archaeology	100	03	Major
GS 117/ CHEM 110	General Science/ Chemistry in Everyday Life	100	03	Gen Ed
ENG 101	Functional English	100	03	Gen Ed

<b>ISL 112/ETH 118</b>	Islamic Studies/Ethics (for Non-Muslim students)	50	02	Gen Ed
	The Teaching of Holy Quran with Translation	Non-Credit		
		<b>550</b>	<b>17</b>	
<b>Semester Second Year-1</b>				
<b>GEOL 211</b>	Principles of Stratigraphy	100	03	Int-dis
<b>ARC 112</b>	Archaeological Heritage of Pakistan	100	03	Major
<b>ENG 102</b>	Introduction to Expository Writing	100	03	Gen Ed
<b>SOC 116</b>	Introduction to Sociology	50	02	Gen Ed
<b>QR 102</b>	Quantitative Reasoning-II (Statistics)	100	03	Int-dis
<b>PSC 111</b>	Ideology and constitution of Pakistan	50	02	Gen Ed
	The Teaching of Holy Quran with Translation	Non-Credit		
		<b>500</b>	<b>16</b>	
<b>Semester Third-Year-2</b>				
<b>ZOOL 232</b>	Zoogeography and Paleontology	100	03	Int.Dis
<b>ARC 212</b>	Pre- History of Archaeology in Pakistan	100	03	Major
<b>ARC 214</b>	Growth of Archaeology in South Asia	100	03	Major
<b>CS 110</b>	Introduction to Information and Communication Technologies	100	03	Gen Ed
<b>ISL 113</b>	سیرت رسول ﷺ اور اس کی عصری معنویت. Seerah and its Contemporary Application/Any course from the Arts and Humanities can be offered to Non-Muslim students	50	02	Gen Ed
<b>SOC 114</b>	Civic and Community Engagements	50	02	Gen Ed
	The Teaching of Holy Quran with Translation	Non-Credit		
		<b>500</b>	<b>16</b>	
<b>Semester Fourth-Year-2</b>				
<b>ARC 213</b>	Proto- History of Archaeology in Pakistan	100	03	Major
<b>ARC 211</b>	Muslim History of South Asia	100	03	Major
<b>ARC 215</b>	Provincial Cultural Heritage	100	03	Major
<b>MGT 215</b>	Entrepreneurship	50	02	Gen Ed
<b>ARC 216</b>	Ancient Trade Networks	100	03	Major
<b>ARC 217</b>	Studies of Archives	100	03	Major
	The Teaching of Holy Quran with Translation	Non-Credit		
		<b>550</b>	<b>17</b>	
<b>Semester Fifth Year Three</b>				
<b>ARC 312</b>	Field Archaeology	100	03	Major
<b>ARC 315</b>	Ancient Civilization	100	03	Major
<b>ARC 219</b>	Environmental Arachnology	100	03	Int-Dis
<b>ARC 311</b>	Ancient Religion	100	03	Major
<b>ARC 314</b>	Physical Anthropology	100	03	Int-Dis
<b>ARC 316</b>	Indus Valley Civilization	100	03	Major
	The Teaching of Holy Quran with Translation	Non-Credit		
		<b>600</b>	<b>18</b>	Major
<b>Semester Sixth Year Three</b>				
<b>ARC 313</b>	Museum Studies	100	03	Major
<b>ARC 324</b>	Cultural Anthropology	100	03	Int-Dis
<b>ARC 319</b>	Marine Archaeology	100	03	Major

<b>ARC 323</b>	Jaina Heritage of Pakistan	100	03	Major
<b>ARC 318</b>	Digital Archaeology	100	03	Major
<b>ARC 325</b>	Internship/Field Work	100	03	Major
	The Teaching of Holy Quran with Translation	Non-Credit		
		<b>600</b>	<b>18</b>	
<b>Semester Seventh Year Fourth</b>				
<b>ARC 419</b>	Rock Art of Pakistan	100	03	Major
<b>ARC 418</b>	Archaeological Conservation	100	03	Major
<b>ARC 411</b>	Muslim Art, Calligraphy and Painting	100	03	Major
<b>ARC 413</b>	Ancient art and architecture	100	03	Major
<b>ARC 412</b>	Muslim Architecture	100	03	Major
	The Teaching of Holy Quran with Translation	Non-Credit		
		<b>500</b>	<b>15</b>	
<b>Semester Eight Year Fourth</b>				
<b>ARC 414</b>	Numismatics of Indo-Pak	100	03	Major
<b>ARC 416</b>	Paleography and Epigraphy	100	03	Major
<b>ARC 417</b>	Gandhara Civilization	100	03	Major
<b>ARC 421</b>	Research Methodology	100	03	Major
<b>ARC 500</b>	Capstone Project / Thesis	100	03	Major
	The Teaching of Holy Quran with Translation	Non-Credit		
		<b>500</b>	<b>15</b>	



Assisting Registrar  
(Academics)  
University of Malakand  
05-Dec-2023



**SEMESTER-I**

**SEMESTER WISE DISTRIBUTION OF COURSES**

<b>Semester First- Year One</b>				
<b>Course Code</b>	<b>Title of Course</b>	<b>Marks</b>	<b>Credit Hours</b>	<b>Nature of course</b>
<b>QR 101</b>	Quantitative Reasoning-1 (Mathematics)	100	03	Gen Ed
<b>THM 122</b>	Principles and Concepts of Tourism	100	03	Int-dis
<b>ARC 111</b>	Principles of Archaeology	100	03	Major
<b>GS 117/CHEM 110</b>	General Science/Chemistry in everyday life	100	03	Gen Ed
<b>ENG 101</b>	Functional English	100	03	Gen Ed
<b>ISL 112</b>	Islamic Studies/Ethics (for Non-Muslim Students)	50	02	Gen Ed
	The Teaching of Holy Quran with Translation	Non-Credit		
		<b>550</b>	<b>17</b>	

**Course title: Principles of Archaeology**

**Course code: ARC 113**

**CH: 03**

**Course Objectives**

This introductory course provides an overview of archaeology, its principles, methods, and significance in understanding human history and culture. Students will learn about the techniques and approaches used by archaeologists to excavate, analyze artifacts, and interpret past societies.

**Chapter 1: Introduction to Archaeology**

- Definition and scope of archaeology
- Historical development of archaeology
- Subfields of archaeology (e.g., historical archaeology, classical archaeology, prehistoric archaeology)

**Chapter 2: Archaeological Methods and Techniques**

- Fieldwork and excavation techniques
- Survey methods and site identification
- Stratigraphy and dating methods (relative and absolute dating)
- Archaeological site formation processes

**Chapter 3: Archaeological Record and Material Culture**

- Concepts of the archaeological record
- Types of artifacts and ecofacts
- Analysis and interpretation of material culture
- Chapter 4: Understanding Ancient Societies
- Cultural context in archaeology
- Culture and cultural evolution
- Lifeways of ancient societies

**Chapter 5: Theories and Approaches in Archaeology**

- Processual archaeology
- Post-processual archaeology
- Interpretations and criticisms

**Chapter 6: Archaeology and Technology, Public Engagement, and Ethics**

- Role of technology in modern archaeology
- GIS, remote sensing, and digital tools in archaeology
- Public engagement and cultural heritage management
- Ethics in archaeology

**Assessment:**

Quizzes and exams covering chapter content  
Participation in class discussions and activities

Assignments: Analysis of archaeological artifacts, site reports, and research papers



## Suggested Readings

- "Archaeology: Theories, Methods, and Practice" by Colin Renfrew and Paul Bahn
- "The Archaeology Book: Big Ideas Simply Explained" by DK (Dorling Kindersley)
- "Archaeology: A Very Short Introduction" by Paul Bahn
- "Archaeology: Theories, Methods, and Practice" by Colin Renfrew and Paul Bahn
- "The Archaeology Book: Big Ideas Simply Explained" by DK (Dorling Kindersley)
- "Archaeology: A Very Short Introduction" by Paul Bahn

Semester Second Year-1				
<b>GEOL 211</b>	Principles of Stratigraphy	100	03	Int-dis
<b>ARC 112</b>	Archaeological Heritage of Pakistan	100	03	Major
<b>ENG 102</b>	Introduction to Expository Writing	100	03	Gen Ed
<b>SOC 116</b>	Introduction to Sociology	50	02	Gen Ed
<b>QR-102</b>	Quantitative Reasoning-II (Statistics)	100	03	Int-dis
<b>PSC 111</b>	Ideology and constitution of Pakistan	50	02	Gen Ed
	The Teaching of Holy Quran with Translation	Non-Credit		
		<b>500</b>	<b>16</b>	

### Course title: Archaeological Heritage of Pakistan

Course code: ARC 112

CH: 03

#### Course Overview:

This course provides an in-depth understanding of archaeological heritage, including its significance, preservation, management, and the ethical considerations associated with cultural heritage. Students will explore key archaeological sites and artifacts from various civilizations.

#### Chapter 1: Introduction to Archaeological Heritage

- Definition and scope of archaeological heritage
- Significance of preserving archaeological heritage
- Cultural, historical, and economic value of archaeological sites and artifacts

#### Chapter 2: Preservation and Conservation of Archaeological Heritage

- Principles and methods of preservation
- Challenges in preserving archaeological sites and artifacts
- Conservation techniques and best practices

#### Chapter 3: Management of Archaeological Heritage

- Cultural heritage management strategies
- Legal frameworks for protecting archaeological heritage
- International organizations and agreements related to cultural heritage

#### Chapter 4: Ethical Considerations in Archaeological Heritage

- Ethics in archaeological research and conservation
- Repatriation and the return of cultural artifacts
- Community involvement and engagement in heritage preservation

#### Chapter 5: Case Studies of Prominent Archaeological Heritage Sites

- Explore and analyze case studies of significant archaeological heritage sites from different regions and time periods

#### Chapter 6: Future of Archaeological Heritage

- Technological advancements and their impact on heritage preservation
- Sustainable tourism and its role in heritage conservation
- Challenges and opportunities in the future of archaeological heritage

#### Assessment:

Quizzes and exams covering chapter content

Research paper on ethical considerations in heritage preservation

Site analysis and case study presentation



Class participation and engagement in academic discussions

**Suggested Readings:**

- "Cultural Heritage Preservation: An Introduction to Its History, Principles, and Practice" by J.M. Teutonico and F. Matero
- "Managing Archaeological Resources: Global Context, National Programs, Local Actions" edited by Francis P. McManamon
- "The Ethics of Archaeology: Philosophical Perspectives on Archaeological Practice" edited by Chris Scarre and Geoffrey Scarre
- "Archaeological Theory: An Introduction" by Matthew Johnson
- "Heritage: Critical Approaches" edited by Rodney Harrison and John H. James

Semester Third-Year-2				
<b>ZOOL 232</b>	Zoogeography and planetology	100	03	Int.Dis
<b>ARC 212</b>	Pre- History of Archaeology in Pakistan	100	03	Major
<b>ARC 214</b>	Growth of Archaeology in South Asia	100	03	Major
<b>CS 110</b>	Introduction to Information and Communication Technologies	100	03	Gen Ed
<b>ISL 113.</b>	Seerah and its Contemporary Application/Any Course from Arts and Humanities can be offered to Non-Muslim Students	50	02	Gen Ed
<b>SOC 114</b>	Civic and Community Engagements	50	02	Gen Ed
	The Teaching of Holy Quran with Translation	Non-Credit		
		<b>500</b>	<b>16</b>	

**Course title: Pre- History of Archaeology in Pakistan**

**Course code: ARC 212**

**CH: 03**

This course delves into the historical development and growth of archaeology in Pakistan, focusing on the exploration and understanding of prehistoric periods. Students will gain insights into significant archaeological discoveries and the evolution of archaeological methods and theories.

Chapter-wise Outline:

**Chapter 1: Introduction to Prehistory and Archaeology**

- Definition and scope of prehistory
- Overview of archaeology as a discipline
- Significance of studying prehistory in archaeology

**Chapter 2: Early Exploration and Pioneers of Archaeology in Pakistan**

Early archaeological exploration and discoveries in the region  
Contributions of pioneers in Pakistan's archaeology  
Impact of colonialism on the development of archaeology

**Chapter 3: Major Prehistoric Periods in Pakistan**

- Paleolithic era and evidence of early human presence
- Mesolithic and Neolithic periods: Socioeconomic developments and cultural changes
- Chalcolithic and Bronze Age: Technological advancements and societal complexities

**Chapter 4: Key Archaeological Sites and Discoveries**

- Mehrgarh: Insights into early agriculture and settlement
- Harappa and Mohenjo Daro: Urbanization and the Indus Valley Civilization
- Ganweriwala: A lesser-known but significant site
- Rehman Dheri and Bhirrana: Understanding the early urban centers

**Chapter 5: Methodologies and Approaches in Prehistoric Archaeology**

- Evolution of methods and techniques in prehistoric archaeology
  - Comparative analysis and interdisciplinary approaches



- Advances in dating techniques and scientific analysis

**Chapter 6: Contemporary Perspectives and Future Directions**

- Current trends and ongoing research in prehistoric archaeology
- Challenges and prospects in the study of prehistoric periods
- Future directions and areas of exploration in prehistoric archaeology

**Assessment:**

Quizzes and exams covering chapter content

Research paper on a chosen aspect of prehistoric archaeology in Pakistan

Analysis and presentation of key archaeological discoveries

Class participation and engagement in academic discussions

**Suggested Readings:**

- "Ancient Pakistan - An Archaeological History" by Mukhtar Ahmed
- "Exploring the World of the Ancient City of Mohenjo-daro" by R. M. Mughal
- "The Making of Pakistan: A Study in Nationalism" by K. K. Aziz
- "A History of Pakistan: And Its Origins" by Christophe Jaffrelot
- "The Adventure of Archaeology" by Brian M. Fagan

**Course title: Growth of Archeology in South Asia**

**Course code: ARC 214**

**CH: 03**

Course Overview:

This course explores the historical development and growth of archaeology in the South Asian region. Students will gain insights into the evolution of archaeological methods, key discoveries, and the contribution of archaeology to our understanding of South Asia's rich history.

**Chapter 1: Introduction to Archaeology in South Asia**

- Geographical and chronological context of South Asia
- Early archaeological explorations and their significance
- The role of colonialism in shaping archaeological studies in the region

**Chapter 2: Early Pioneers and Archaeological Discoveries**

- Early archaeological pioneers and their contributions
- Significant archaeological discoveries in South Asia
- The establishment of key archaeological institutions

**Chapter 3: Growth of Indigenous Archaeology**

- Emergence of indigenous archaeologists and archaeological institutions
- Contributions of South Asian scholars to the field of archaeology
- The role of nationalism and decolonization in shaping archaeology
- **Chapter 4: Methodologies and Approaches in South Asian Archaeology**
- Evolution of archaeological methodologies in South Asia
- Advances in survey techniques, excavations, and analysis
- Interdisciplinary approaches and technological integration

**Chapter 5: Key Archaeological Discoveries and Sites**

- Major archaeological discoveries and their impact on our understanding of South Asian history
- Explore key sites such as Mohenjo-daro, Taxila, Ajanta, and others

**Chapter 6: Contemporary Trends and Future Prospects**

- Current trends in South Asian archaeology
- Challenges and opportunities in the field
- Future directions and potential contributions of archaeology

**Assessment:**

- Quizzes and exams covering chapter content
- Research paper on a chosen archaeological discovery in South Asia
- Presentation on a significant archaeological site in South Asia
- Class participation and engagement in academic discussions

**Suggested Readings:**



- "The Archaeology of South Asia: From the Indus to Asoka, c.6500 BCE–200 CE" by Robin Coningham and Ruth Young
- "The Oxford Handbook of the Archaeology of South Asia: The Archaeology of India, Pakistan, and Bangladesh" edited by S. N. Mukherjee
- "The Past Before Us: Historical Traditions of Early North India" by Romila Thapar
- "A History of India" by Hermann Kulke and Dietmar Rothermund
- "South Asian Archaeology 1997" edited by Catherine Jarrige and Vincent Lefèvre

Semester Fourth-Year-2				
ARC 213	Proto- History of Archaeology in Pakistan	100	03	Major
ARC 211	Muslim History of South Asia	100	03	Major
ARC 215	Provincial Cultural Heritage	100	03	Major
MGT 215	Entrepreneurship	50	02	Gen Ed
ARC 216	Ancient Trade Networks	100	03	Major
ARC 217	Studies of Archives	100	03	Major
	The Teaching of Holy Quran with Translation	Non-Credit		
		<b>550</b>	<b>17</b>	

**Course title: Proto- History of Archaeology in Pakistan**

**Course code: ARC 213**

**CH: 03**

This course focuses on the proto history of archaeological exploration and discoveries in Pakistan. It provides insights into early archaeological pioneers, significant findings, and practical skills for archaeological fieldwork.

Chapter-wise Outline:

**Chapter 1: Introduction to Proto-History and Archaeology**

- Definition and significance of proto history in archaeology
- Overview of archaeological periods in South Asia
- The role of proto-history in understanding ancient civilizations

**Chapter 2: Early Explorations and Archaeological Pioneers**

- Overview of early explorations and their impact
- Contributions of key archaeological pioneers in Pakistan
- Significance of their discoveries and methodologies

**Chapter 3: Major Proto-Historic Periods in Pakistan**

- Bronze Age: Indus Valley Civilization and neighboring regions
- Iron Age: Emergence of new cultures and technologies
- Understanding the transition from prehistory to proto-history

**Chapter 4: Key Archaeological Sites and Discoveries**

- Major archaeological sites representing proto-historic periods
- Analysis of artifacts and structures from proto-historic sites
- Understanding the societal and technological advancements

**Chapter 5: Practical Skills for Archaeological Fieldwork**

- Site survey techniques and strategies
- Excavation methodologies and stratigraphy
- Artifact documentation, preservation, and analysis

**Chapter 6: Interpretation and Relevance of Proto-History**

- Interpretation of proto-historic artifacts and sites



- The relevance of proto-history in shaping modern understanding
- Ethical considerations in studying proto-historic periods

**Practical Component:**

Practical 1: Site Survey and Documentation

Conducting a site survey and mapping a designated area

Recording topographical and geological features

Practical 2: Excavation and Stratigraphy

Participation in a mock excavation to understand stratigraphy

Proper excavation techniques and artifact retrieval

Practical 3: Artifact Analysis and Preservation

Identification, documentation, and analysis of artifacts

Proper handling, cataloging, and preservation techniques

Practical 4: Field Visit to Proto-Historic Sites

Organizing visits to major proto-historic sites in Pakistan

On-site analysis and understanding of archaeological context

**Assessment:**

Quizzes and exams covering theoretical concepts

Practical assessments evaluating fieldwork skills and artifact analysis

Research paper on a chosen aspect of proto-history in Pakistan

Class participation and engagement in academic discussions

**Suggested Readings:**

- "The Indus Civilization: A Contemporary Perspective" edited by Gregory L. Possehl
- "Exploring the World of the Ancient City of Mohenjo-daro" by R. M. Mughal
- "The Lost River: On The Trails of the Sarasvati" by Michel Danino
- "The Ancient Indus Valley: New Perspectives" edited by Jane McIntosh
- "Archaeology: Theories, Methods, and Practice" by Colin Renfrew and Paul Bahn

**Course title: Muslim history of South Asia**

**Course code: ARC 211**

**CH: 03**

**Course Overview:**

This course delves into the history of Muslims in the South Asian subcontinent, focusing on their arrival, contributions, societal evolution, and cultural impacts. Students will explore key events, historical figures, cultural developments, and the impact of Islam on the region.

**Chapter 1: Introduction to South Asia and Islam**

- Geographical, cultural, and historical overview of South Asia
- Emergence of Islam and its spread to South Asia
- Impact of Islamic culture and civilization on the region

**Chapter 2: Early Muslim Invasions and Rule**

- Arrival and impact of early Muslim invaders in South Asia
- Ghaznavids, Ghaurids, and the establishment of early Muslim rule
- Examination of key figures and their contributions

**Chapter 3: Delhi Sultanate and Regional Kingdoms**

- Foundation and expansion of the Delhi Sultanate
- Formation of regional kingdoms and their cultural, economic, and political dynamics
- Analysis of the architectural and artistic achievements during this period

**Chapter 4: The Mughal Empire**

- Rise and consolidation of the Mughal Empire
- The reigns of key Mughal emperors and their contributions
- Mughal society, culture, and economic prosperity

**Chapter 5: Deccan Sultanates and Southern India**

- Emergence of the Deccan Sultanates and their significance
- Socio-cultural developments in the Deccan region



- Interaction and conflicts between the Deccan Sultanates and Northern powers

### **Chapter 6: Decline of Mughal Power and Arrival of European Powers**

- Factors leading to the decline of the Mughal Empire
- The advent of European powers and their influence in South Asia
- Impact on South Asian society and culture

#### **Assessment:**

Quizzes and exams covering theoretical concepts and historical events

Research paper on a specific aspect of Muslim history in South Asia

Analysis of key historical figures and their impact

Class participation and engagement in academic discussions

#### **Recommended Readings:**

- "The History of India, as Told by Its Own Historians" by Elliot and Dowson
- "The Mughal Empire" by John F. Richards
- "The Deccan Sultanates: A Political and Cultural History" by Richard M. Eaton
- "Medieval India: From Sultanat to the Mughals-Delhi Sultanat (1206-1526)" by Satish Chandra

"South Asia in World History" by Marc Jason Gilbert

#### **Course title: Provincial Cultural Heritage**

**Course code: ARC 215**

**CH: 03**

#### **Course Overview:**

This course aims to provide an in-depth understanding of the diverse cultural heritage present in the provinces of a specific country or region. Students will explore the historical, artistic, architectural, and societal aspects of various provinces, highlighting their unique contributions to the overall cultural tapestry.

#### **Chapter 1: Introduction to Provincial Cultural Heritage**

- Definition and scope of provincial cultural heritage
- Importance and role of preserving provincial heritage
- Significance in understanding a nation's diverse cultural identity

#### **Chapter 2: Historical Context and Timeline**

- Overview of the historical development of each province
- Key historical events, rulers, and societal dynamics
- Understanding the impact of history on the province's cultural heritage

#### **Chapter 3: Artistic and Architectural Heritage**

- Exploration of unique artistic styles and traditions in each province
- Architectural landmarks and styles specific to each province
- Influence of historical events and cultural interactions on artistic expressions

#### **Chapter 4: Cultural Traditions and Practices**

- Traditions, rituals, and festivals distinctive to each province
- Cultural practices, customs, and their historical roots
- Analysis of folklore, music, dance, and performing arts

#### **Chapter 5: Language, Literature, and Heritage**

- Overview of languages spoken and literary traditions in each province
- Notable literary figures and their contributions to provincial culture
- Relationship between language, literature, and cultural identity

#### **Chapter 6: Crafts, Handicrafts, and Indigenous Industries**

- Traditional crafts and handicrafts specific to each province
- Techniques, materials, and cultural symbolism in crafts
- Economic and cultural significance of indigenous industries

#### **Assessment:**

Quizzes and exams covering theoretical concepts and provincial heritage details

Research paper on a specific aspect of provincial cultural heritage

Field visits and documentation of provincial heritage sites

Class participation and engagement in academic discussions

#### **Recommended Readings:**



- "Cultural Heritage and Tourism in the Developing World: A Regional Perspective" by Dallen J. Timothy
- "Cultural Heritage Management: A Global Perspective" by Phyllis Mauch Messenger
- "Provincial Archaeology: A New Synthesis" edited by John R. Roby
- "Cultural Heritage and Identity in Medieval Anatolia and Beyond" edited by Thomas L. Sinclair
- "Language and Cultural Identity: Perceptions of the Role of Language in the Construction of Aboriginal Cultures" by Howard Nicholas

**Course title: Ancient Trade Networks**

**Course code: ARC 216**

**CH: 03**

**Course Overview:**

This course explores the historical development, functioning, and cultural impact of ancient trade networks. Students will gain insights into the major Trade routes, commodities, trading civilizations, and their influences on ancient societies.

**Chapter 1: Introduction to Ancient Trade Networks**

- Definition and significance of ancient trade networks
- The role of trade in shaping ancient civilizations
- Key commodities and goods traded in ancient times

**Chapter 2: Trade Routes in the Ancient World**

- Silk Road: East-West trade and cultural exchange
- Maritime Routes: Mediterranean trade and seafaring civilizations
- Incense Route: Trade in the ancient Near East
- Trans-Saharan Trade: Trade across North Africa

**Chapter 3: Trading Civilizations**

- Phoenicians: Maritime trade and cultural diffusion
- Greeks and Romans: Trade and economic development
- Han Dynasty: The Silk Road and the ancient Chinese trade
- Gupta Empire: Indian trade and cultural interactions

**Chapter 4: Archaeological Evidence of Ancient Trade**

- Archaeological discoveries along major trade routes
- Analysis of trade artifacts and their cultural implications
- Trade hubs and marketplaces in ancient civilizations

**Chapter 5: Economic and Cultural Impact of Trade**

- Economic prosperity and growth due to trade
- Cultural exchange, diffusion, and the spread of ideas
- Societal transformations and urbanization facilitated by trade
- Chapter 6: Contemporary Relevance and Future of Trade Networks
- The legacy of ancient trade networks in the modern world
- Implications for global trade and economy today
- Future prospects and challenges in international trade

**Assessment:**

Quizzes and exams covering chapter content

Research paper on a chosen ancient trade route or commodity

Presentation on the economic and cultural impact of ancient trade

Class participation and engagement in academic discussions

**Suggested Readings:**

- "The Silk Roads: A New History of the World" by Peter Frankopan
- "Ancient Seafarers: Mediterranean Sailors and Sea Routes" by Lionel Casson
- "Trade and Civilization in the Indian Ocean: An Economic History from the Rise of Islam to 1750" by K. N. Chaudhuri





- "The Incense Route between Yemen and Gaza" by Claudio Giardino
- "Empires of the Silk Road: A History of Central Eurasia from the Bronze Age to the Present" by Christopher I. Beckwith

**Course title: Study of Archives**

**Course code: ARC 217**

**CH: 03**

**Course Overview:**

This course focuses on the study and analysis of archives, including archival principles, methodologies, and practical application. Students will learn about the preservation, organization, and research methods related to archives.

**Chapter 1: Introduction to Archives**

- Definition and historical development of archives
- Significance and role of archives in preserving cultural heritage
- Types of archives and their purpose

**Chapter 2: Principles of Archival Management**

- Collection development policy and acquisition procedures
- Arrangement and description of archival materials
- Access, use, and copyright considerations

**Chapter 3: Archival Research Methodologies**

- Techniques for accessing and utilizing archival materials
- Primary sources and their interpretation
- Strategies for effective archival research

**Chapter 4: Digital Archives and Technological Advancements**

- Digital preservation and its challenges
- Implementing technology in archival management
- Digital archives and online accessibility

**Chapter 5: Archival Case Studies**

- Analyzing significant archival collections and their impact on research
- Understanding the historical and cultural context through archives
- Case studies from different domains (e.g., history, arts, science)

**Chapter 6: Practical Application: Organizing an Archive**

- Hands-on experience in organizing an archive
- Sorting, cataloging, and preserving archival materials
- Creating finding aids and making the archive accessible

**Assessment:**

Quizzes and exams covering theoretical concepts

Research paper on a chosen archival topic or collection

Practical assessment on organizing an archive

Class participation and engagement in academic discussions

**Suggested Readings:**

- "Archives: Principles and Practices" by Laura Millar
- "Managing Archival and Manuscript Repositories" by Michael J. Kurtz
- "Providing Reference Services for Archives and Manuscripts" by Mary Jo Pugh
- "Digital Curation: A How-To-Do-It Manual" by Ross Harvey
- "The Archive Effect: Found Footage and the Audiovisual Experience of History" by Jaimie Baron

<b>Semester 5<sup>th</sup> Year 3<sup>rd</sup></b>	
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<b>ARC 312</b>	Field Archaeology	100	03	Major
<b>ARC 315</b>	Ancient Civilization	100	03	Major
<b>ARC 219</b>	Environmental Arachnology	100	03	Int-Dis
<b>ARC 311</b>	Ancient Religion	100	03	Major
<b>ARC 314</b>	Physical Anthropology	100	03	Int-Dis
<b>ARC 316</b>	Indus Valley Civilization	100	03	Major
	The Teaching of Holy Quran with Translation	Non-Credit		
		<b>600</b>	<b>18</b>	Major

**Course title: Field Archaeology**

**Course code: ARC 312**

**CH: 03**

**Course Overview:**

This course provides an in-depth understanding of field archaeology, including excavation techniques, site documentation, artifact analysis, and practical fieldwork experience. Students will gain hands-on knowledge of archaeological methods and practices.

**Chapter 1: Introduction to Field Archaeology**

- Definition and significance of field archaeology
- Historical development and evolution of field archaeology
- The role of field archaeologists in understanding ancient civilizations

**Chapter 2: Preparing for Fieldwork**

- Planning an archaeological project: objectives, scope, and timelines
- Ethical considerations and permits for fieldwork
- Health and safety protocols for field excavations

**Chapter 3: Survey and Site Identification**

- Techniques for archaeological site survey
- Identifying potential archaeological sites
- Remote sensing and geophysical surveys

**Chapter 4: Excavation Methods and Techniques**

- Stratigraphic excavation and its importance
- Open-area excavation vs. trench-based excavation
- Recording methods: Harris matrix and three-dimensional documentation

**Chapter 5: Artifact Analysis and Documentation**

- Methods for artifact recovery and handling
- Artifact typology, classification, and analysis
- Cataloging and digital documentation of artifacts

**Chapter 6: Practical Fieldwork Experience**

- Field excavation experience at an archaeological site
- Hands-on training in excavation, survey, and artifact analysis
- Data recording and analysis from the field

**Assessment:**

Quizzes and exams covering theoretical concepts  
 Fieldwork assessment based on participation, skills, and teamwork  
 Research paper on a field archaeology topic  
 Artifact analysis and documentation report  
 Class participation and engagement in academic discussions

**Suggested Readings:**

- "Field Archaeology: An Introduction" by Peter Drewett
- "Archaeological Field Methods" by Thomas R. Hester, Harry J. Shafer, and Kenneth L. Feder
- "Excavation" by Steve Roskams
- "Archaeological Laboratory Methods: An Introduction" by Mark Q. Sutton
- "The Archaeologist's Field Handbook" by Heather Burke and Claire Smith

**Course title: Ancient Civilization**



Course Overview:

This course provides an in-depth exploration of various ancient civilizations from around the world. Students will study the historical development, societal structures, cultures, and lasting legacies of these fascinating ancient cultures.

Chapter-wise Outline:

**Chapter 1: Introduction to Ancient Civilizations**

- Definition and significance of ancient civilizations
- Comparative analysis of ancient and modern societies
- Key themes and concepts in the study of ancient civilizations

**Chapter 2: Mesopotamian Civilizations**

- Sumerians, Akkadians, Babylonians, and Assyrians: Historical overview
- Political structures, social hierarchy, and daily life in Mesopotamia
- Achievements in architecture, literature, and technology

**Chapter 3: Ancient Egyptian Civilization**

- Nile River and its impact on Egyptian civilization
- Pharaohs and the divine kingship
- Religion, art, and architecture: Pyramids, temples, and tombs

**Chapter 4: Indus Valley Civilization**

- Urban planning and sophisticated architecture
- Socioeconomic structure and trade networks
- Writing system and cultural artifacts

**Chapter 5: Ancient Chinese Civilization**

- Dynasties: Shang, Zhou, Qin, Han, and Tang
- Confucianism, Taoism, and Legalism: Philosophical foundations
- Contributions in arts, sciences, and governance

**Chapter 6: Greco-Roman Civilization**

- Greek city-states and the concept of polis
- Roman Republic and Empire: Governance and societal structures
- Hellenistic culture, art, philosophy, and their influence

**Chapter 7: Mesoamerican Civilizations**

- Maya, Aztec, and Inca civilizations: Overview and comparative analysis
- Society, religion, and governance in Mesoamerica
- Notable architectural and cultural achievements

**Chapter 8: Ancient Indian Civilization**

- Vedic period: Society, culture, and religious practices
- Maurya and Gupta Empires: Political structures and cultural flourishing
- Contributions to mathematics, astronomy, and medicine

**Assessment:**

Quizzes and exams covering theoretical concepts

Research paper on a chosen ancient civilization

Comparative analysis of two ancient civilizations

Class participation and engagement in academic discussions

**Suggested Readings:**

- "The Oxford History of Ancient Egypt" by Ian Shaw
- "Ancient Mesopotamia: Portrait of a Dead Civilization" by A. Leo Oppenheim
- "The Complete Gods and Goddesses of Ancient Egypt" by Richard H. Wilkinson
- "The Archaeology of Ancient China" by Kwang-chih Chang
- "The Penguin Historical Atlas of Ancient Civilizations" by John Haywood

**Course title: Environmental Archaeology**



**Course code: ARC 219**

**CH: 03**

**Course Overview:**

This course delves into the interdisciplinary field of environmental archaeology, focusing on the study of ancient environments, human interactions with natural resources, and the impact of these interactions on past societies. Students will explore methods, analyses, and case studies to understand the dynamic relationship between humans and their environment.

**Chapter 1: Introduction to Environmental Archaeology**

- Definition, objectives, and significance of environmental archaeology
- The role of interdisciplinary approaches: Archaeology, ecology, geology, and climatology
- Historical development and major contributions in environmental archaeology

**Chapter 2: Methods and Techniques in Environmental Archaeology**

- Sampling methodologies: Soil cores, flotation, and pollen sampling
- Laboratory techniques: Analysis of plant remains, animal bones, and ancient DNA
- Chronological dating methods: Radiocarbon dating, dendrochronology, and luminescence dating

**Chapter 3: Reconstructing Ancient Environments**

- Paleoecology: Reconstructing past ecosystems and climates
- Geoarchaeology: Studying sediments, soils, and landscape evolution
- Phytolith analysis: Understanding ancient plant use and vegetation

**Chapter 4: Human-Environment Interactions**

- Evolution of human diet: Archaeobotanical and zooarchaeological approaches
- Agricultural practices and impact on landscapes
- Resource utilization and management: Fishing, hunting, gathering, and pastoralism

**Chapter 5: Environmental Archaeology in Cultural Context**

- Case studies illustrating environmental impacts on past cultures
- Societal responses to environmental changes: Adaptation, resilience, and collapse
- Environmental justice and ethics in environmental archaeology

**Chapter 6: Practical Applications and Future Directions**

- Applied environmental archaeology: Conservation, heritage management, and sustainable practices
- Future prospects and challenges in environmental archaeology
- Integration with modern environmental sciences: Insights and collaborations

**Assessment:**

Quizzes and exams assessing theoretical knowledge and analytical skills

Research paper on a specific aspect of environmental archaeology

Practical exercises on laboratory techniques and data interpretation

Class participation, engagement in academic discussions, and case study analysis

**Suggested Readings:**

- "Environmental Archaeology: Principles and Practice" by Dena F. Dincauze
- "The Oxford Handbook of Zooarchaeology" edited by Umberto Albarella and Mauro Rizzetto
- "Archaeological Sediments in Context" edited by Boric Dusan
- "The Archaeology of Human-Environment Interactions: Strategies for Investigating Anthropogenic Landscapes, Dynamic Environments, and Climate Change in the Human Past" edited by Daniel J. H. Charman and Mark J. Brewer
- "Methods in Environmental Archaeology" edited by Patrizia Birch and John D. Seebach

**Course title: Ancient Civilization**

**Course code: ARC 322**

**CH: 03**

**Course Overview:**

This course explores the diverse ancient religions and belief systems that shaped the cultures, societies, and civilizations of the past. Students will delve into the study of key ancient religions, their rituals, myths, and impact on ancient communities.

**Chapter 1: Introduction to Ancient Religions**

- Definition and significance of ancient religions



- Comparative analysis of ancient and modern religious practices
- Key themes and concepts in the study of ancient religions

**Chapter 2: Ancient Egyptian Religion**

- Overview of the Egyptian pantheon and major deities
- Religious rituals, temples, and religious practices in ancient Egypt
- The role of religion in ancient Egyptian society and daily life

**Chapter 3: Ancient Mesopotamian Religion**

- Enuma Elish and the Babylonian creation myth
- Sumerian, Akkadian, Babylonian, and Assyrian religious beliefs
- Ziggurats, temples, and priesthood in Mesopotamian societies

**Chapter 4: Ancient Greek Religion**

- The Greek pantheon and major gods and goddesses
- Religious ceremonies, festivals, and oracles in ancient Greece
- The influence of Greek religion on philosophy, art, and politics

**Chapter 5: Ancient Roman Religion**

- Roman gods, goddesses, and their counterparts in Greek mythology
- Religious rituals, sacrifices, and augury in ancient Rome
- Syncretism and the evolution of Roman religious beliefs

**Chapter 6: Ancient Indian Religion**

- Vedic religion and the concept of sacrifice
- Development of Hinduism: Vedas, Upanishads, and epics (e.g., Ramayana, Mahabharata)
- The dharma, karma, and moksha in Hindu philosophy

**Chapter 7: Ancient Chinese Religion**

- Taoism: Principles, philosophy, and practices
- Confucianism: Teachings of Confucius and societal impact
- Religious syncretism and traditional Chinese beliefs

**Chapter 8: Ancient Mesoamerican Religion**

- Aztec, Maya, and Inca religious beliefs and practices
- Rituals, sacrifices, and temples in Mesoamerican civilizations
- Cosmology and mythology in Mesoamerican religion

**Assessment:**

Quizzes and exams covering theoretical concepts and historical context

Research paper on a chosen ancient religion or religious practice

Comparative analysis of two ancient religions

Class participation and engagement in academic discussions

**Suggested Readings:**

- "The Oxford Illustrated History of the World's Religions" edited by John Bowker
- "The Complete Gods and Goddesses of Ancient Egypt" by Richard H. Wilkinson
- "The Greeks and the Irrational" by E. R. Dodds
- "The Roman Religious World: Studies in the Epigraphy, Architecture and Literature of the Roman West" by John Scheid
- "The World of Ancient Indian Religion: Culture and History, the Vedas to 200 CE" by Friedhelm Hardy

**Course title: Physical Anthropology**

**Course Code: ARC 314**

**CH: 03**

**Course Overview:**

This course provides an in-depth exploration of physical anthropology, covering topics such as human evolution, genetics, primatology, and forensic anthropology. Students will gain insights into human biological diversity, the evolutionary history of the human species, and the application of physical anthropology in various fields.



### **Chapter 1: Introduction to Physical Anthropology**

- Definition, scope, and significance of physical anthropology
- Historical development and major contributors in physical anthropology
- Ethical considerations and responsible conduct of research

### **Chapter 2: Human Genetics and Variation**

- Fundamentals of genetics and inheritance
- Patterns of human genetic variation
- Human adaptation and race: Biological and social perspectives

### **Chapter 3: Human Evolution and Fossil Record**

- Principles of evolution and natural selection
- Major trends in human evolution: Australopithecines to Homo sapiens
- Fossil evidence and key hominin species

### **Chapter 4: Primatology and Human Behavior**

- Primates: Taxonomy, characteristics, and distribution
- Primate behavior, social organization, and communication
- Comparative primate anatomy and its relevance to human evolution

### **Chapter 5: Forensic Anthropology and Human Identification**

- Introduction to forensic anthropology and its applications
- Skeletal analysis for age, sex, ancestry, and stature estimation
- Forensic identification: Methods and case studies

### **Chapter 6: Bioarchaeology and Human Osteology**

- Bioarchaeological approaches to studying ancient populations
- Human skeletal anatomy and its adaptations
- Palaeopathology and interpreting health in the past

#### **Assessment:**

Quizzes and exams covering theoretical concepts and terminology

Research paper on a specific aspect of physical anthropology

Laboratory exercises on genetics, human osteology, and primate anatomy

Class participation and engagement in academic discussions

#### **Suggested Readings:**

- "Introduction to Physical Anthropology" by Robert Jurmain, Lynn Kilgore, Wenda Trevathan, and Russell L. Ciochon
- "Our Origins: Discovering Physical Anthropology" by Clark Spencer Larsen
- "Primates in Perspective" edited by Christina J. Campbell, Agustín Fuentes, Katherine C. MacKinnon, and Simon K. Bearder
- "Forensic Anthropology: Current Methods and Practice" by Angi M. Christensen and Nicholas V. Passalacqua
- "Bioarchaeology: An Integrated Approach to Working with Human Remains" by Debra L. Martin, Ryan P. Harrod, and Ventura R. Pérez

#### **Course title: Indus Valley Civilization**

**Course code: ARC 316**

**CH: 03**

#### **Course Overview:**

This course provides an in-depth exploration of the Indus Valley Civilization, one of the world's earliest urban societies. Students will study its historical context, urban planning, cultural achievements, and its significance in the ancient world.

#### **Chapter 1: Introduction to the Indus Valley Civilization**

- Geographical context: The Indus River and its significance
- Historical background and timeline of the Indus Valley Civilization
- Major archaeological discoveries and sites

#### **Chapter 2: Urban Planning and Architecture**

- Layout of cities: Mohenjo Daro, Harappa, and others



- Street planning, drainage system, and water management
- Architecture: Residences, public buildings, and the Great Bath

**Chapter 3: Society and Culture**

- Social structure and hierarchy
- Economy and trade: Craftsmanship, trade networks, and commodities
- Language and script: The Indus script and its decipherment attempts

**Chapter 4: Religion and Rituals**

- Religious beliefs and practices
- Iconography and representations of deities
- Ritual objects and religious artifacts

**Chapter 5: Decline and Legacy**

- Theories on the decline of the Indus Valley Civilization
- Legacy and impact on subsequent civilizations
- Continuation of cultural elements in the Indian subcontinent

**Assessment:**

Quizzes and exams covering theoretical concepts and historical facts

Research paper on a specific aspect of the Indus Valley Civilization

Comparative analysis of the Indus Valley Civilization with another ancient civilization

Class participation and engagement in academic discussions

**Suggested Readings:**

- "The Ancient Indus Valley: New Perspectives" edited by Jane McIntosh
- "The Indus Civilization: A Contemporary Perspective" edited by Gregory L. Possehl
- "Mohenjo-daro: An Ancient Indus Valley Metropolis" by Jane McIntosh
- "Harappa: The Civilization of the Indus Valley" by Sir John Marshall
- "The Indus Script: Texts, Concordance, and Tables" by Iravatham Mahadevan

Semester 6 <sup>th</sup> Year 3 <sup>rd</sup>				
ARC 313	Museum Studies	100	03	Major
ARC 324	Cultural Anthropology	100	03	Int-Dis
ARC 319	Marine Archaeology	100	03	Major
ARC 323	Jaina Heritage of Pakistan	100	03	Major
ARC 318	Digital Archaeology	100	03	Major
ARC 325	Internship/Field Work	100	03	Major
	The Teaching of Holy Quran with Translation	Non-Credit		
		<b>600</b>	<b>18</b>	

**Course title: Museum Studies**

**Course code: ARC 313**

**CH: 03**

**Course Overview:**

This course provides an in-depth understanding of museum studies, covering various aspects such as museum history, collections management, exhibition design, museum ethics, and visitor engagement. Students will gain insights into the principles and practices of creating, managing, and presenting museum collections.

**Chapter 1: Introduction to Museums and Museum History**

- Definition and role of museums in society
- Evolution of museums: From cabinets of curiosities to modern museums
- Different types of museums: Art, history, natural history, science, and more

**Chapter 2: Museums and Collections Management**

- Acquisition, accession, and deaccessioning of museum objects
- Cataloging and documentation of collections
- Collections care and conservation practices

**Chapter 3: Exhibition Planning and Design**

- Principles of exhibition design: Layout, lighting, and interactive elements
- Interpretation and storytelling in exhibitions



- Collaborations with artists, designers, and architects in exhibition design

**Chapter 4: Museum Education and Visitor Engagement**

- Educational programs and outreach initiatives
- Interactive learning experiences for visitors
- Evaluation and assessment of educational programs

**Chapter 5: Museum Ethics and Legal Issues**

- Ethical considerations in museum practice
- Repatriation and the ethics of exhibiting human remains and sacred objects
- Copyright, intellectual property, and legal challenges in museum collections

**Chapter 6: Museum Marketing, Funding, and Sustainability**

- Marketing strategies for museums: Attracting visitors and stakeholders
- Funding sources: Government funding, grants, donations, and memberships
- Sustainability and environmental considerations in museum operations

**Assessment:**

Quizzes and exams covering theoretical concepts and best practices

Research paper on a specific aspect of museum studies

Exhibition proposal and design project

Class participation and engagement in academic discussions

**Suggested Readings:**

- "Museum Studies: An Anthology of Contexts" edited by Bettina Messias Carbonell
- "Exhibition Design: An Introduction" by Philip Hughes
- "The Manual of Museum Exhibitions" edited by Barry Lord and Maria Piacente
- "Museum Basics" by Timothy Ambrose and Crispin Paine

"Museum Registration Methods" edited by Rebecca A. Buck and Jean A. Gilmore

**Course title: Cultural Anthropology**

**Course code: ARC 324**

**CH: 03**

**Course Overview:**

This course provides a comprehensive understanding of cultural anthropology, covering key concepts, methodologies, theoretical frameworks, and ethnographic research. Students will explore human societies and cultures, their diversity, and the ways anthropologists study and interpret them.

**Chapter 1: Introduction to Cultural Anthropology**

- Definition, scope, and objectives of cultural anthropology
- Historical development and major contributors to the field
- Comparative approach: Understanding cultural diversity

**Chapter 2: Culture and Cultural Relativism**

- Concept of culture: Beliefs, values, practices, and material culture
- Ethical considerations: Cultural relativism and ethnocentrism
- Enculturation and socialization: Transmission of culture

**Chapter 3: Methods and Techniques in Cultural Anthropology**

- Participant observation and fieldwork
- Ethnographic interviews and surveys
- Case studies and life histories

**Chapter 4: Kinship, Marriage, and Family**

- Kinship systems and terminologies
- Forms of marriage and family structures
- Marriage rituals and kinship dynamics

**Chapter 5: Economics and Subsistence Strategies**

- Economic systems: Foraging, agriculture, pastoralism, and industrialism
- Modes of production and distribution
- Economic theories and models in anthropology

**Chapter 6: Political Organization and Power**

- Forms of political organization: Bands, tribes, chiefdoms, and states





- Political power, authority, and leadership
- Political ideologies and social control

**Chapter 7: Religion, Rituals, and Worldview**

- Belief systems and religious rituals
- Functions of religion in society
- Religious symbolism and interpretation

**Assessment:**

- Quizzes and exams covering theoretical concepts and key terminologies
- Research paper on a specific cultural aspect or society
- Ethnographic fieldwork project and report
- Class participation and engagement in academic discussions

**Suggested Readings:**

- "Cultural Anthropology: A Toolkit for a Global Age" by Kenneth J. Guest
- "Cultural Anthropology: A Perspective on the Human Condition" by Emily A. Schultz and Robert H. Lavenda
- "Ethnographic Fieldwork: An Anthropological Reader" edited by Antonius C. G. M. Robben and Jeffrey A. Sluka
- "Cultures and Societies in a Changing World" by Wendy Griswold
- "Being Alive: Essays on Movement, Knowledge and Description" by Tim Ingold

**Course title: Marine Archaeology**

**Course code: ARC 319**

**CH: 03**

**Course Overview:**

This course provides a comprehensive understanding of marine archaeology, covering the study of submerged cultural heritage, shipwrecks, ancient ports, and underwater archaeological methodologies. Students will learn about the history of maritime civilizations and the techniques used to investigate and preserve underwater archaeological sites.

**Chapter 1: Introduction to Marine Archaeology**

- Definition, scope, and significance of marine archaeology
- Historical development and major contributors in the field
- Ethical considerations and challenges in marine archaeological research

**Chapter 2: Underwater Archaeological Sites and Landscapes**

- Types of underwater archaeological sites: Shipwrecks, harbors, submerged cities
- Preservation of underwater cultural heritage
- Techniques for site discovery and mapping

**Chapter 3: Shipwrecks and Maritime Archaeology**

- Understanding ship construction and design
- Archaeological investigation of shipwrecks
- Case studies of famous shipwrecks and their significance

**Chapter 4: Ancient Ports and Trade Routes**

- Role of ancient ports and maritime trade in ancient civilizations
- Archaeological exploration of ancient harbors and port cities
- Maritime trade networks and cultural exchange

**Chapter 5: Methodologies and Techniques in Marine Archaeology**

- Underwater survey and excavation techniques
- Remote sensing technologies: Sonar, ROVs, AUVs
- Conservation and preservation of underwater artifacts

**Chapter 6: Maritime Archaeology and Historical Interpretation**

- Integrating marine archaeology with historical research
- Interpreting maritime landscapes and seafaring cultures
- Reconstructing ancient voyages and trade routes

**Assessment:**



Quizzes and exams covering theoretical concepts and methodologies  
Research paper on a specific aspect of marine archaeology  
Practical exercises in underwater survey techniques  
Class participation and engagement in academic discussions

**Suggested Readings:**

- "Archaeology Underwater: The NAS Guide to Principles and Practice" by Amanda Bowens
- "Shipwrecks and Maritime Archaeology" by Richard A. Gould
- "The Oxford Handbook of Maritime Archaeology" edited by Alexis Catsambis, Ben Ford, and Donny L. Hamilton
- "Underwater Archaeology: The NAS Guide to Principles and Practice" by Nautical Archaeology Society
- "Maritime Archaeology: A Technical Handbook" by Jeremy Green

**Course title: Jaina Heritage of Pakistan**

**Course code: ARC 323**

**CH: 03**

**Course Overview:**

This course provides an in-depth exploration of the Jaina heritage in present-day Pakistan, focusing on the history, beliefs, art, and architectural contributions of the Jain community. Students will study the historical development, the impact of Jainism on the region, and the preservation of Jain cultural heritage.

**Chapter 1: Introduction to Jainism**

- Origins and historical context of Jainism
- Principles and beliefs of Jainism: Ahimsa, Anekantavada, and Aparigraha
- Jain cosmology: The cycle of birth, life, death, and rebirth (samsara)

**Chapter 2: Jainism in Pakistan**

- Historical presence and spread of Jainism in the region
- Jainism and its interaction with other ancient religions in the area
- Major Jain sites and monuments in present-day Pakistan

**Chapter 3: Jain Art and Architecture**

- Overview of Jain architectural styles and features
- Jain temples and their distinctive characteristics
- Jain sculptures, carvings, and artistic expressions

**Chapter 4: Major Jain Heritage Sites in Pakistan**

- Tharparkar: Jain temples and heritage in the region
- Nagarparkar: Historical significance and Jain presence
- Other significant Jain heritage sites in Pakistan

**Chapter 5: Conservation and Preservation of Jain Heritage**

- Challenges in preserving Jain heritage: Environmental, structural, and human-related factors
- Conservation efforts and initiatives for Jain sites and artifacts
- Community involvement and public awareness in heritage preservation

**Assessment:**

Quizzes and exams covering theoretical concepts and historical facts  
Research paper on a specific aspect of Jaina heritage in Pakistan  
Field visit reports and analysis of Jain heritage sites  
Class participation and engagement in academic discussions

**Suggested Readings:**

- "Jainism: An Introduction" by Jeffery D. Long
- "The Jains" by Paul Dundas
- "The Jain Temple: Maru-Gurjara Architecture" by Ananda Kentish Coomaraswamy
- "Jaina Art" by Jyotindra Jain
- "Heritage of the Desert: Jain Art, Architecture and Archaeology of Rajasthan" edited by Vinod Joshi

**Course title: Digital Archaeology**

**Course code: ARC 318**

**CH: 03**

**Course Overview:**



This course provides a comprehensive understanding of the intersection of archaeology and digital technologies. Students will learn about various digital tools, techniques, and methodologies employed in archaeological research, data analysis, visualization, and preservation of archaeological sites and artifacts.

**Chapter 1: Introduction to Digital Archaeology**

- Definition and significance of digital archaeology
- Historical development and major milestones in the field
- The role of technology in transforming archaeological research

**Chapter 2: Digital Documentation and Data Capture**

- Photogrammetry and 3D modeling in archaeology
- Laser scanning and LiDAR technology
- GIS applications in archaeological mapping and data integration

**Chapter 3: Digital Data Analysis and Visualization**

- Database management and data organization
- Data analysis tools: Statistics, spatial analysis, and data mining
- Virtual reality (VR) and augmented reality (AR) in archaeological visualization

**Chapter 4: Remote Sensing and Aerial Archaeology**

- Satellite imaging and aerial photography in archaeological research
- Unmanned Aerial Vehicles (UAVs) for site documentation
- Applications of remote sensing technologies in archaeological site detection and monitoring

**Chapter 5: Digital Preservation and Public Engagement**

- Digital repositories and archives for archaeological data
- Online platforms and open access initiatives
- Public engagement and education through digital archaeology

**Chapter 6: Ethical and Legal Aspects of Digital Archaeology**

- Digital heritage and ethical considerations
- Intellectual property rights and digital data
- Data sharing and collaboration in the digital archaeological community

**Assessment:**

Quizzes and exams covering theoretical concepts and technological applications

Research paper on a specific aspect of digital archaeology

Practical exercises on digital documentation and data analysis

Class participation and engagement in academic discussions

**Suggested Readings:**

- "Archaeology 2.0: New Approaches to Communication and Collaboration" edited by Eric Christopher Kansa, Sarah Witcher Kansa, and Ethan Watrall
- "Digital Technologies and the Archaeology of the Future: The 3D Experience" edited by Fabrizio Galeazzi, Francesco Gabellone, and Valentina Vassallo
- "3D Recording and Interpretation for Maritime Archaeology" by John K. McCarthy and Fabio Bruno
- "Archaeology and Digital Communication: Towards Strategies of Public Engagement" edited by Chiara Bonacchi
- "Heritage in the Digital Era: Cinematic Tourism and the Activist Cause" by David Crouch and Rhona Jackson

**Course title: Internship/Field Work**

**Course code: ARC 325**

**CH: 03**

Internship and fieldwork opportunities in archaeology can vary based on the region, interests, and specialization within archaeology. Here's a general overview of the types of internships and fieldwork one can engage in and the potential organizations where these opportunities may be available: Further, students shall be placed in in groups or individual under the supervision of a faculty member where he/she will guide students about the research area, knowledge, process and other requirements. The student shall be evaluated by a committee including the supervisor, semester coordinator and the HOD. All the students will present the filed report including introduction, objectives, methodology and major field findings with references. The hard copy will be marked along with the presentation for final evaluation,

**Archaeological Excavations:**



**Opportunities:** Participating in archaeological excavations at historical sites, ancient cities, or significant archaeological sites to uncover artifacts and analyze cultural layers.

**Organizations:** Universities with archaeology departments, archaeological research institutions, government archaeological departments, and non-profit organizations focused on heritage preservation.

**Artifact Analysis and Conservation:**

**Opportunities:** Analyzing and conserving artifacts in laboratories, studying their materials, preservation techniques, and contributing to artifact databases.

**Organizations:** Museums, archaeological labs, heritage conservation organizations, and cultural resource management firms.

**Archaeological Surveys:**

**Opportunities:** Participating in surveys to identify potential archaeological sites, document surface remains, and conduct initial investigations.

**Organizations:** Archaeological research institutions, governmental heritage departments, environmental consulting firms, and academic research projects.

**Archaeological Field Documentation and Mapping:**

**Opportunities:** Utilizing technologies for site mapping, documentation, and spatial analysis, including GIS and other digital mapping tools.

**Organizations:** Archaeological research centers, institutions with digital archaeology departments, and heritage mapping projects.

**Community Archaeology and Public Engagement:**

**Opportunities:** Engaging with local communities, conducting educational workshops, and involving the public in archaeological projects to raise awareness and promote cultural heritage preservation.

**Organizations:** Non-profit organizations focusing on community engagement, museums, and cultural heritage initiatives.

Semester 7 <sup>th</sup> Year 4 <sup>th</sup>			
ARC 419	Rock Art of Pakistan	100	03
ARC 418	Archaeological Conservation	100	03
ARC 411	Muslim Art , Calligraphy and Painting	100	03
ARC 413	Ancient Art and Architecture	100	03
ARC 412	Muslim Architecture	100	03
	The Teaching of Holy Quran with Translation	Non-Credit	
		<b>500</b>	<b>15</b>

**Course title: Rock Art of Pakistan**

**Course code: ARC 419**

**CH: 03**

**Course Overview:**

This course provides a comprehensive exploration of rock art in Pakistan, covering its historical context, styles, techniques, and cultural significance. Students will study various rock art sites, understand the symbolism depicted, and appreciate the artistic expressions of ancient cultures in the region.

**Chapter 1: Introduction to Rock Art**

- Definition and significance of rock art
- Global distribution and historical context of rock art
  - Different forms and techniques of rock art



## **Chapter 2: Rock Art Styles and Techniques**

- Petroglyphs: Engravings and pecked art
- Pictographs: Painted rock art
- Geoglyphs: Large-scale ground drawings

Stylistic variations and evolution of techniques

## **Chapter 3: Rock Art of Pakistan: Historical Overview**

- Prehistoric context: Paleolithic, Mesolithic, Neolithic, and later periods
- Major rock art sites in Pakistan and their cultural contexts
- Regional variations and comparisons with other rock art traditions

## **Chapter 4: Themes and Motifs in Rock Art**

- Fauna and flora: Animals, plants, and their symbolism
- Human figures and anthropomorphism
- Symbols, abstract patterns, and geometric designs

## **Chapter 5: Interpretation and Significance**

- Theories and approaches to interpreting rock art
- Ritualistic, religious, and cultural interpretations
- Socio-economic and historical perspectives on rock art

## **Chapter 6: Conservation and Preservation**

- Challenges in the preservation of rock art
- Conservation practices and ethical considerations
- Community involvement and public awareness for rock art preservation

### **Assessment:**

Quizzes and exams covering theoretical concepts and rock art analysis

Research paper on a specific aspect of rock art in Pakistan

Field visit reports and analysis of rock art sites

Class participation and engagement in academic discussions

### **Suggested Readings:**

- "Rock Art: A Vision of a Vanishing Cultural Landscape" by David S. Whitley
- "The Rock Art of Arabia: Saudi Arabia, Oman, Qatar, the UAE, and Yemen" by Majeed Khan
- "A Guide to the Rock Art of the Matopo Hills, Zimbabwe" by Paul Hubbard
- "World Rock Art" by Jean Clottes
- "Rock Art Science: The Scientific Study of Paleart" edited by Robert G. Bednarik

### **Course title: Archaeological Conservation**

**Course code: ARC 418**

**CH: 03**

### **Course Overview:**

This course provides an in-depth understanding of archaeological conservation, focusing on the principles, techniques, and best practices for preserving and restoring archaeological artifacts and sites. Students will learn about material degradation, treatment methods, and ethical considerations in archaeological conservation.

### **Chapter 1: Introduction to Archaeological Conservation**

- Definition, objectives, and importance of archaeological conservation
- Historical development and evolution of conservation practices
- Role of conservation in preserving cultural heritage

### **Chapter 2: Understanding Materials and Degradation**

- Types of archaeological materials: Organic, inorganic, and composite
- Mechanisms of material degradation: Chemical, physical, biological
- Factors influencing material deterioration and decay

### **Chapter 3: Conservation Ethics and Principles**

- Ethics in archaeological conservation: Respect for authenticity and integrity
- Principles of conservation: Minimal intervention, reversibility, and stability
- Risk assessment and preventive conservation

### **Chapter 4: Methods of Cleaning and Stabilization**



- Cleaning techniques for various materials: Mechanical, chemical, and laser
- Consolidation and stabilization methods
- Surface treatments for enhancing stability and appearance

**Chapter 5: Documentation and Record-Keeping**

- Importance of documentation in conservation
- Techniques for artifact documentation: Photography, drawings, and written records
- Digital documentation and its role in conservation

**Chapter 6: Case Studies in Archaeological Conservation**

- Conservation of specific archaeological materials: Ceramics, metals, textiles, etc.
- Case studies highlighting conservation challenges and successful approaches
- Real-life applications of conservation methods in archaeological projects

**Assessment:**

Quizzes and exams covering theoretical concepts and conservation techniques

Research paper on a specific aspect of archaeological conservation

Practical exercises on cleaning, stabilization, and documentation

Class participation and engagement in academic discussions

**Suggested Readings:**

- "Archaeological Conservation and its Consequences" by John A. H. Lowe
- "Archaeological Conservation using Polymers: Practical Applications for Organic Artifact Stabilization" by Betty Seifert
- "Conservation of Ancient Sites on the Silk Road: Proceedings of an International Conference on the Conservation of Grotto Sites" edited by Neville Agnew
- "Archaeological Conservation and Heritage Management" by Virginia Greene and Steve Bourget
- "Conservation of Easel Paintings" edited by Joyce Hill Stoner and Rebecca Rushfield

**Course title: Muslim Art, Craft and calligraphy**

**Course code: ARC 411**

**CH: 03**

**Course Overview:**

This course provides an in-depth exploration of Muslim art, with a focus on Islamic calligraphy and painting.

Students will study the historical and cultural context, development, techniques, and symbolism of Islamic art forms, including calligraphy and miniature painting.

Chapter-wise Outline:

**Chapter 1: Introduction to Islamic Art**

- Definition and scope of Islamic art
- Historical development and major influences on Islamic art
- Regional variations and diversity within Islamic art

**Chapter 2: Islamic Calligraphy**

- Importance and role of calligraphy in Islamic art
- Styles of Islamic calligraphy: Naskh, Thuluth, Diwani, and more
- Tools, materials, and techniques for calligraphy

**Chapter 3: Symbolism and Themes in Islamic Calligraphy**

- Quranic calligraphy: Verses, surahs, and script variations
- Decorative calligraphy and geometric designs
- Inscriptions in architecture and their meanings

**Chapter 4: Islamic Painting and Miniature Art**

- Evolution and historical development of Islamic painting
- Characteristics and styles of miniature art
- Subjects and themes in Islamic miniature painting

**Chapter 5: Famous Islamic Artists and their Works**

- Notable Muslim artists and their contributions to Islamic art
- Case studies on renowned Islamic artworks and their significance

**Chapter 6: Contemporary Trends in Islamic Art**



- Modern interpretations and adaptations of Islamic art
- Contemporary Muslim artists and their unique styles
- The role of Islamic art in the global art scene

**Assessment:**

Quizzes and exams covering theoretical concepts, calligraphy, and painting styles

Research paper on a specific aspect of Islamic art, calligraphy, or painting

Practical exercises on calligraphy and miniature painting techniques

Class participation and engagement in academic discussions

**Suggested Readings:**

- "Islamic Art and Architecture: The System of Geometric Design" by Issam El-Said and Ayse Parman
- "Islamic Calligraphy" by Sheila S. Blair and Jonathan M. Bloom
- "Islamic Painting: The Orientalist School" by Yahia Lababidi and Rima Nasser
- "Islamic Art: An Introduction" by Robert Hillenbrand
- "Islamic Art and Visual Culture: An Anthology of Sources" edited by D. Fairchild Ruggles

**Course title: Ancient Art and Architecture**

**Course code: ARC 413**

**CH: 03**

**Course Overview:**

This course provides a comprehensive study of ancient art and architecture, spanning various civilizations and historical periods. Students will explore the artistic and architectural achievements of ancient cultures, analyzing their influences, styles, techniques, and cultural contexts.

**Chapter 1: Introduction to Ancient Art and Architecture**

- Definition and significance of ancient art and architecture
- Historical timeline and major civilizations: Mesopotamia, Egypt, Greece, Rome, and more
- Key themes and characteristics of ancient art and architecture

**Chapter 2: Mesopotamian Art and Architecture**

- Overview of Mesopotamian civilizations: Sumerians, Babylonians, Assyrians, and Persians
- Characteristics of Mesopotamian art and architecture
- Ziggurats, temples, palaces, and artistic styles in Mesopotamia

**Chapter 3: Egyptian Art and Architecture**

- Overview of ancient Egyptian civilization
- Symbolism, religious beliefs, and artistic techniques in Egyptian art
- Pyramids, temples, tombs, and monumental sculpture in ancient Egypt

**Chapter 4: Greek Art and Architecture**

- Evolution of ancient Greek art: Archaic, Classical, Hellenistic periods
- Greek temples, theaters, public buildings, and artistic styles
- Sculpture, pottery, and painting in ancient Greece

**Chapter 5: Roman Art and Architecture**

- Roman architecture: Colosseum, aqueducts, baths, and forums
- Roman sculpture, mosaics, and frescoes
- Influences, innovations, and engineering marvels of Roman architecture

**Chapter 6: Asian and Pre-Columbian Art and Architecture**

- Overview of Asian civilizations: Indian, Chinese, and Japanese art and architecture
- Artistic styles, religious influences, and monumental structures in Asia
- Pre-Columbian civilizations: Mayan, Aztec, and Inca art and architecture

**Assessment:**

Quizzes and exams covering theoretical concepts and artistic styles

Research paper on a specific aspect of ancient art or architecture

Comparative analysis of ancient architectural styles

Class participation and engagement in academic discussions

**Suggested Readings:**

- "The Art of Ancient Egypt" by Gay Robins



- "Greek Art and Archaeology" by Richard T. Neer
- "Roman Art: A Resource for Educators" by Nancy L. Thompson
- "Ancient Mesopotamia: Portrait of a Dead Civilization" by A. Leo Oppenheim
- "Asian Art" by Martha L. Carter

**Course title: Muslim Architecture**

**Course code: ARC 412**

**CH: 03**

**Course Overview:**

This course offers a comprehensive study of Muslim architecture, covering various periods and regions in the Islamic world. Students will explore the evolution, styles, elements, and cultural significance of Islamic architecture, from mosques to palaces and urban design.

**Chapter 1: Introduction to Islamic Architecture**

- Definition and scope of Islamic architecture
- Historical development and geographical spread of Islamic architecture
- Key elements and characteristics of Islamic architectural design

**Chapter 2: Early Islamic Architecture (7th-10th centuries)**

- Architectural legacy of the early Islamic period
- Evolution and characteristics of early mosques, mausoleums, and palaces
- Influences from pre-Islamic architecture and neighboring civilizations

**Chapter 3: Islamic Architecture during the Islamic Golden Age (11th-14th centuries)**

- Notable architectural developments during the Islamic Golden Age
- The influence of regional styles and advances in architectural technology
- Dome and minaret styles, urban planning, and architectural ornamentation

**Chapter 4: Regional Styles of Islamic Architecture**

- Architectural styles across different regions: Arab, Persian, Ottoman, Mughal, Andalusian, and more
- Comparative analysis of regional differences and influences
- Case studies of significant architectural structures in each region

**Chapter 5: Islamic Religious Architecture**

- The design and layout of mosques: prayer halls, minarets, courtyards, and domes
- Madrasas, mausoleums, and religious complexes in Islamic architecture
- Evolution and significance of Islamic religious architectural elements

**Chapter 6: Contemporary Islamic Architecture and Urban Design**

- Modern influences and innovations in Islamic architecture
- Sustainable design and architectural conservation in contemporary Islamic buildings
- Urban planning and architectural developments in contemporary Islamic cities

**Assessment:**

Quizzes and exams covering theoretical concepts, historical periods, and architectural styles

Research paper on a specific aspect of Islamic architecture

Comparative analysis of regional architectural styles

Class participation and engagement in academic discussions

**Suggested Readings:**

- "Islamic Architecture: Form, Function, and Meaning" by Robert Hillenbrand
- "Islamic Art and Architecture: From Isfahan to the Taj Mahal" by Henri Stierlin
- "The Mosque: History, Architectural Development & Regional Diversity" by Martin Frishman and Hasan-Uddin Khan
- "Islamic Arts" by Jonathan Bloom and Sheila S. Blair
- "The Architecture of the Islamic World: Its History and Social Meaning" by Ernst J. Grube

Semester Eight Year 4 <sup>th</sup>				
ARC 414	Numismatics of Indo-Pak	100	03	Major
ARC 416	Paleography and Epigraphy	100	03	Major
ARC 417	Gandhara Civilization	100	03	Major
ARC 421	Research Methodology	100	03	Major





ARC 500	Capstone Project / Thesis	100	03	Major
	The Teaching of Holy Quran with Translation	Non-Credit		
		500	15	

**Course title: Numismatics of Pakistan**

**Course code: ARC 414**

**CH: 03**

**Part I: Numismatics of Pre-Muslim Period**

**Chapter 1: Introduction to Numismatics**

- Definition, scope, problems, and significance of numismatics
- Metallurgical studies related to ancient coinage
- Overview of mints and their role in coin production
- Cataloguing methods and techniques for ancient coins
- History and techniques of manufacturing ancient coins

**Chapter 2: Antiquity of Coinage**

- Evolution and antiquity of coinage in Pakistan and India
- Study of punch-marked coins
- Analysis of Indus-Greek coins
- Examination of coins from the Indo-Scythian and Indo-Parthian periods
- Insights into Kushan coins
- Understanding Huna and Hindu Shahi coins
- Part II: Numismatics of Muslim Period

**Chapter 3: Coins during the Arab Period**

- Study of coins from the Arab period in Pakistan and India

**Chapter 4: Coins of Various Dynasties**

- Coins of the Ghaznavid and Ghaurid rulers
- Coins of the early Sultanate period (the Khaljis, Tughlaqs, Syeds, Lodhis, Suris)
- Numismatic analysis of coins from the Mughal rulers
- Coins issued during the Durrani and Sikh periods
- Examination of coins from the Colonial period

**Recommended Readings:**

- Abdur Rahman, "The Last Two Dynasties of the Shahis", Islamabad, 1979.
- Allan, J. "Catalogue of the Coins of Ancient India", Delhi, rpt. 2001.
- Bhandarkar, D. R. "Lectures on Ancient Indian Numismatics", Patna, rpt. 1984.
- Bopearachchi, O. and Amanur Rahman, "Pre-Kushana Coins in Pakistan", Islamabad, 1995.
- Bopearachchi, O. "Indo-Greek, Indo-Scythian and Indo-Parthian Coins in the Smithsonian Institute", Washington, 1993.
- Chakraborti, S. K. "Socio-religious and Cultural Study of the Ancient Indian Coins", Delhi, 1986.

**Course title: Paleography and Epigraphy**

**Course code: ARC 416**

**CH: 03**

**Course Overview:**

This course delves into the study of ancient scripts and inscriptions in Pakistan and India. Students will explore the historical context, origins, development, and decipherment of various scripts, including the Indus Script, Brahmi Script, Kharoshthi Script, and Kohi Script. Additionally, the course covers the significance and role of epigraphy in understanding the ancient history of the region.

**Chapter 1: Introduction to Ancient Indian Scripts**

- Overview of various ancient scripts used in the Indian subcontinent
- Comparative analysis of scripts: Brahmi, Kharoshthi, Kohi, etc.
- Importance of studying ancient scripts in understanding ancient civilizations
- Chapter 2: Origin of Writing in Pakistan and India
  - Evolution of writing systems in the Indian subcontinent



- Influence of neighboring regions on the development of scripts
- Historical context and cultural significance of early writing

**Chapter 3: Indus Script**

- History of discovery and early explorations
- Geographical area of usage
- Historical period and materials used for inscriptions
- Origin theories and decipherment attempts

**Chapter 4: Brahmi Script**

- Geographical distribution and usage
- Materials used for inscriptions
- Characters, symbols, and their evolution
- Origin, decipherment, and development through different styles

**Chapter 5: Kharoshthi Script**

- Geographical area of usage and materials
- Characters and symbols in Kharoshthi
- Origin, decipherment, and evolutionary phases
- Analysis of various styles: Ashokan, Scytho-Parthian, Kushan

**Chapter 6: Kohi Script**

- Historical discovery and geographical area of usage
- Period and materials used for inscriptions
- Characters, symbols, and their development
- Decline and later phases of the Kohi script

**Chapter 7: Epigraphy**

- Importance of epigraphic research in archaeology
- Historical development of epigraphic research in the subcontinent
- Survey of epigraphic records and their significance
- Epigraphy as a valuable source for understanding ancient history

**Assessment:**

Quizzes and exams covering theoretical concepts and scripts

Research paper on a specific aspect of paleography or epigraphy

Analysis and translation exercises of inscriptions

Class participation and engagement in academic discussions

**Recommended Readings:**

- Agrawala, P. K. "Imperial Gupta Epigraphs", Varanasi, 1983.
- Bhandarkar, D. R. "A List of Inscriptions of Northern India in Brahmi and Its Derivative Scripts, from about 200 A.C.", Appendix to Epigraphia Indica, Vols. 19-23, Calcutta, 1932-38.
- Buhler, G. "Indian Paleography", Appendix to The Indian Antiquary, Calcutta, 1904, rpt. 1959.
- Burgess, J. "Epigraphia Indica, Vol. II", Indian rpt. 1970.
- Burgess, J. "Report on the Buddhist Cave Temples and Their Inscriptions", Varanasi, rpt. 1964.

**Course title: Gandhara Civilization**

**Course code: ARC 417**

**CH: 03**

Course Overview:

This course explores the Gandhara Civilization, a significant ancient civilization in the region that is present-day Pakistan and Afghanistan. Students will study the historical geography, cultural synthesis, arts, architecture, religions, numismatics, and decline of the Gandhara Civilization. The course will also delve into the legacy and influence of this civilization.

Chapter-wise Outline:

**Chapter 1: Introduction**

- Nomenclature and historical geography of Gandhara

**Chapter 2: The Origin of Second Urbanization in Pakistan**

- Exploration of key urban centers: Pushkalavati, Taxila



- Historical significance and architectural features

**Chapter 3: Major Religions of Gandhara**

- Buddhism: Development, spread, and significance in Gandhara
- Hinduism: Practices, beliefs, and presence in Gandhara

**Chapter 4: Synthesis of Cross-Cultural Currents and the Emergence of Gandhara Civilization**

- Interplay of cultural influences in the formation of Gandhara Civilization

**Chapter 5: Arts**

- Sculptural Art: Styles, techniques, and themes
- Paintings: Characteristics, subjects, and significance
- Rock Art: Carvings and engravings in the region

**Chapter 6: Architecture**

- Religious Architecture: Stupas, temples, monasteries
- Secular Architecture: Settlements and forts

**Chapter 7: Numismatics and Palaeography**

- Study of coins and scripts used in Gandhara

**Chapter 8: Interaction Zone**

- Cultural influences from the East and West

**Chapter 9: Silk Road**

- Trade routes along the Silk Road and their impact on Gandhara

**Chapter 10: Decline**

- Exploration of various causes leading to the decline of the Gandhara Civilization

**Chapter 11: Legacy of the Gandharan Civilization**

**Assessment:**

Quizzes and exams covering theoretical concepts and historical periods

Research paper on a specific aspect of Gandhara Civilization

Analysis of Gandhara artifacts and their historical context

Class participation and engagement in academic discussions

**Recommended Readings:**

- Ackermann, H. C. "Narrative Stone Reliefs from Gandhara in the Victoria and Albert Museum in London", IsMEO Reports and Memoirs XVII, Rome, 1975.
- Barger, E. and Wright, P. "Excavations in the Swat and Explorations in the Oxus Territories of Afghanistan", Memoirs of Archaeological Survey of India, No. 64, Delhi, 1941.
- Beal, S., tr., "Si-yu-ki, Buddhist Records of the Western World", 2 vols., London, 1883 (2nd ed. 1906).
- Bernard, P. "Ai-Khanum on the Oxus: A Hellenistic City in Central Asia", Proceedings of the British Academy, Vol. LIII, 1967.
- Bhattacharyya, B. "The Indian Buddhist Iconography", Calcutta, 1963.

**Course title: Research Methodology**

**Course code: ARC 421**

**CH: 03**

**Introduction**

Introduction, definition, and scope of research  
Significance and Types of Research in Archaeology  
Objectives of the Research

**Literature Review**

Importance and Types of literature review  
Historical Evolution of Archaeological Research Methods  
Major Schools of Archaeological Thought and Their Methodological Influences  
Notable Archaeological Discoveries Facilitated by Methodological Advances  
Critiques and Debates in Archaeological Methodology

**Research Design**

Defining the Research Problem  
Formulating Research Questions and Hypotheses  
Setting Scope and Delimitations



Establishing the Research Framework

### **Types of Archaeological Research Methods**

Excavation and Stratigraphy, Vertical and Horizontal Excavation

Importance of Stratigraphic Analysis, Survey Methods, Surface Survey

Aerial Survey, Laboratory Techniques, Dating Methods (e.g., Radiocarbon, Dendrochronology)

Artifact Analysis (Ceramics, Lithics, Faunal remains), Geospatial Technologies

GIS Applications in Archaeology, Remote Sensing Technologies

### **Data Collection and Recording**

Field Recording Systems, Field Notes and Sketches, Digital Recording Technologies

Photography and Photogrammetry, Database Management in Archaeology

Data Analysis and Interpretation

### **Quantitative and Qualitative Analysis**

Statistical Methods in Archaeological Analysis, Building Chronologies and Periodization

Interpretative Frameworks and Theoretical Approaches

### **Ethical Considerations in Archaeological Research**

Cultural Sensitivity and Respect for Descendant Communities, Artifact Repatriation and Indigenous Collaborations, Responsible Publication Practices

### **Challenges and Limitations**

Site Preservation vs. Excavation, Funding and Resource Constraints, Technological Limitations and Obsolescence

### **Case Studies**

Application of Research Methodology in Specific Archaeological Projects, Lessons Learned and Methodological Innovations

### **Recommended Readings**

Archaeological Theory: An Introduction" by Matthew Johnson\*

Archaeological Method and Theory: An Encyclopedia" edited by Linda Ellis\*

Field Archaeology: An Introduction" by Peter Drewett\*

Archaeology: Theories, Methods, and Practice" by Colin Renfrew and Paul Bahn\*

Archaeological Research: A Brief Introduction" by James M. Skibo and Michael W. Graves\*

The Archaeologist's Laboratory: The Analysis of Archaeological Data" by Michael Brian Schiffer\*

Remote Sensing in Archaeology" by Sarah H. Parcak\*

Quantitative Methods in Archaeology Using R" by David L. Carlson\*

Ethics in American Archaeology: Challenges for the 1990s" edited by Mark J. Lynott and Alison Wylie\*

### **Course title: Capstone Project / Thesis**

**Course code: ARC 500**

**CH: 03**

Thesis is mandatory as degree requirement. However, the students will conduct research studies (either in individual capacity or in group (not more than three students in a single group) on issues pertaining to any field of related to archaeology as per the APA format and style of research under the supervision of a faculty member. The research work shall be submitted to the department for external evaluation before the final examination of the 8<sup>th</sup> semester followed by a proper presentation by the students, viva voce by the external examiner in the presence of the research supervisor, semester coordinator, and HOD. The evaluation shall be made in 100 marks and the allocation will be on the evaluation of the external examiner only.

### **Interdisciplinary courses**

**THM 112**

**Tourism Recourses of Pakistan**

**Cr. Hrs-3**

#### **COURSE INTRODUCTION AND OBJECTIVES:**

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.

#### **OBJECTIVES:**

1. Enhancement of students' knowledge about the tourism destinations of Pakistan



2. Provision of information about tourists circuits in Pakistan.
3. The existence facilities at natural and cultural sites, and the required amenities.
4. Future opportunities for developing different kinds of conventional tourism.

**COURSE OUTCOMES:**

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

- To know about the tourism attractions of Pakistan.
- The level of facilities required at international standards.
- To develop various types of tourism activities according to the natural and cultural resource available in Pakistan.
- To apply principles of ethics, cultural sensitivity, and modern business practices.
- To demonstrate an ability to engage in collaborative actions.

**Unit-1**

**Tourism in General**

Tourism at Gance, Type of resources, Classification of resources, National and provincial tourism bodies, tourist path, tourism circuits, tourist facilities and services.

**Unit-2**

**Natural Resources**

Mountains, plains, Wildlife sanctuaries  
National park and natural reserves in Pakistan

**Unit-3**

**Beaches, landscapes & Hill stations**

Beaches in sind and Baluchistan  
Hill station: Muree, Ziarat, Naran, Kaghan, Galliyat, Study of Hill station attractions and their environment. Case studies of Swat valley, Hunza valley and Galliyat

**Unit-4**

**Popular Tourist Recourses**

**Unit-5**

**Pilgrimage Destination**

Muslim, Buddhist, Sikh, Hindu

**Unit -6**

**Health tourism in Pakistan**

**Unit -7**

**Practical/Visits**

Visits tourist destinations and preparation of case studies

**Recommended Books:**

- Iftikhar Haider Malik (2006) *Culture and Customs of Pakistan*, Greenwood Press.
- Peter Heiden (2011) *Pakistan, Countries of the world*, ABDO Publisher.
- Austin Bush. (2010) *Pakistan Travel information and travel Guide*. Lonely Planet.
- Parach, Nadeem (2008) *before the lights went out*. Wordpress, Karachi.
- C. Michael Hall, Stephen Page (2000) *Tourism South and Southeast Asia*, Butterworth Heinemann.

**THM 122**                      **Tourism concepts & Principles**                      **Cr. Hrs-3**

**COURSE INTRODUCTION AND OBJECTIVES:**

This course aims at familiarizing the student with the different types of concepts, their importance, strategies and success stories (Case studies). It also aims at identifying students with the proper plans and critical analysis for best management and operations practices to achieve sustainable development. The main objectives of the course are to explain the concepts of tourism practices, the historical changes that have occurred in tourism and its significant impact on current tourism practices.

**COURSE OUTCOMES:**

- Knowledge and understanding of tourism and hospitality with emphasis on its available resources (Natural and Cultural), infrastructure and superstructure
- Management, marketing and business skills
- Evaluate critically, from a strategic perspective



- Communication skills
- Practical, innovative, demonstrative and employment related skills
- Integrate subject specific knowledge and transferable skills to develop a specialist in depth, conduct a research investigation, and effectively report the findings.
- Computer and Information Management Technology Skills

#### **Unit-1**

##### **Introduction**

Introduction, Types and Forms, Components of Tourism, Economic Importance, Benefits and costs of Tourism, Basis of Tourism

#### **Unit-2**

##### **Classification of tourists**

Inbound outbound, national, internal, domestic tourists, Purpose of travel, types of tourists, importance of tourist classifications, factors that motivates tourists to travel.

#### **Unit-3**

**Tourist behavior models, Plogs model, cohen, smith, global travel survey model, lieper,s model, push and pull factors, whole tourism system.**

#### **Unit-4**

##### **Impacts of Tourism**

positive and negative impacts, Economic, environmental, social, cultural impacts.

#### **Unit-5**

##### **Tourism Marketing**

What is marketing, market segments (target market), marketing mix, Market research

#### **Unit-6**

##### **Tourism Policy and Planning**

International policy, Pakistan policy and planning, role of Government and other organizations, Case study of an International Touristic destination , the 5 As of tourist destination,

#### **Unit-7**

##### **Practical case studies**

International Tourist destination, Domestic Tourist Destination, visit to different local Tourist sites.

- Visits to tourist destinations

##### **Recommended books:**

- [Charles R. Goeldner](#) and J. R. Brent Ritchie (2011) *Tourism: Principles, Practices, Philosophies* 12<sup>th</sup> edition, John Wiley & Sons.
- Walker, John. (2002) *Introduction to Hospitality* 3<sup>rd</sup> edition. Upper Saddle River, NJ : Prentice Hall.
- Beaver , Allan (2006) *A Dictionary of Travel and Tourism Terminology* . Oxfordshire, UK: CABI Publishing.
- Boniface, Brian G. and Chris Cooper (2001). *Worldwide Destinations: The Geography of Travel and Tourism*, 3rd edition. Oxford, UK: Butterworth – Heinemann.
- Cooper , C. , J. Fletcher , D. Gilbert , and R. Shepherd , (1998), *Tourism: Principles and Practice* . Essex, UK: Longman.

**Geol. 211**

**Principles of Stratigraphy**

**Credits Hours 2+1**

##### **Objectives and Learning Outcomes**

This course is designed to acquire knowledge about principles of stratigraphy, stratigraphic code of Pakistan, stratigraphic successions formed during different geologic time with special focus on Pakistan.

##### **Course Contents**

Concept of Historical Geology; Principles of stratigraphy; laws of geology; geological time scale with divisions; unconformities, classification and nomenclature of stratigraphic units: lithostratigraphic, biostratigraphy and chronostratigraphic units; principle of stratigraphic correlation; International Stratigraphic codes; Sedimentary basins of Pakistan; Basement Complexes exposed in Pakistan; Precambrian to Carboniferous Stratigraphy of Peshawar Basin, Hazara Area and Salt/Trans-Indus Ranges.



## Labs

Preparation of stratigraphic columns and their correlation, isopach and stratigraphic maps. Exercises on the principles of stratigraphy.

## Recommended Books

1. Principles of Sedimentology and Stratigraphy, Fifth edition, by Sam Boggs Jr., 2014, Pearson.
2. Stratigraphy of Pakistan by Geological Survey of Pakistan, 2009, Memoir 22, Geological Survey of Pakistan, Quetta.
3. Applied Stratigraphy by EAM Koutsoukos., 2005. Springer.
4. Principles of Stratigraphy by Weller, J. M., 1962, Harper Brothers.

**Course title: ZOOGEOGRAPHY AND PALEONTOLOGY Course Code: ZOOL 232 Credit Hour: 3**

- **Objectives** The course aims to Provide information on the distribution of animals and their associations in the past and to rationalize their relationship in the present time.
- Impart knowledge and concepts of evolution mainly on the basis of fossil record.
- Give understanding that fossil records also provide information about the distribution of animals in the past eras.

## Contents: (i) Zoogeography

Branches of Zoogeography: descriptive, chorology, faunistics, systematic, biocoenotic, causal, ecological, historical, experimental and applied Zoogeography.

Animal distribution: cosmopolitan distribution, discontinuous distribution, isolation distribution, bipolar distribution and endemic distribution, barriers and dispersal.

Zoogeographical regions: Zoogeographic division and boundaries, geographic ranges, physical features, climates, faunas and affinities of Palaearctic, Nearctic regions, Oriental, Ethiopian, Australian, and Neotropical Regions, insular fauna

Paleogeography: Theories of continental drift and plate tectonics; Pangea.

## Zoogeography of Pakistan:

### (ii) Paleontology

The Planet Earth: History, age, shells of earth; atmosphere, hydrosphere, biosphere and lithosphere.

Rocks: types; Igneous rocks, sedimentary rocks and metamorphic rocks. Fossil types and uses of fossils, nature of fossils.

Fossilization: Geological time scale. Pre-Cambrian life. Post Cambrian life, Palaeozoic life, Mesozoic life, Cenozoic life.

Geochronometry: Uranium/Lead dating, radiocarbon dating, methods, index fossils; evolutionary history of man, elephant, horse and camel, Paleoecology, Paleomagnetism.

## ZOOL 232 Lab

### Credit Hour: 1

1. Study of fauna of various Zoolgeographical regions.
2. Study of mould, cast, pseudomorph, coprolite, petrified fossils of plants and animals.
3. Study of invertebrate fossils of coelenterates, trilobites, ammonite, brachiopods, molluscs and echinoderms.
4. Study of vertebrate fossils e.g. horse/elephant/camel/bovids.
5. Study and identification of Igneous, Sedimentary and Metamorphic rocks
6. Map work for identification of various Zoolgeographical regions of the World.



## Books Recommended

### Zoogeography

1. Beddard, F. E. 2008. A text book of Zoogeography. Bibliobazar, LLC.
2. Tiwari, S.K. 2006. Fundamentals of world Zoogeography. Wedams eBooks Ltd (India) Sarup & Sons. Delhi.
3. Ali, S.S. 1999. Paleontology, Zoogeography and Wildlife Management. Nasim Book Depot, Hyderabad, India.
4. Darlington, P. J. Jr. 1963. Zoogeography, John Wiley and Sons.

### Paleontology

1. Michael, J. B. David, A and Haper, T. 2009. Paleobiology and the fossil record. 3<sup>rd</sup> Ed. Wiley Black, UK.
2. Foote, M and Millar, A. I. 2007. Principles of paleontology. 3<sup>rd</sup> Ed. W. H. Freeman & Co. USA.
3. Ali, S.S. 1999. Paleontology, Zoogeography and Wildlife Management. Nasim Book Depot, Hyderabad, India.
4. Brouwer, A. 1977. General Paleontology, Oliver and Boyed, London.

## GENERAL COURSE TO BE OFFERED IN OTHER DEPARTMENTS

### Course title: Introduction to Archaeology

Course code: ARC 113

CH: 02

#### Course Objectives

This introductory course provides an overview of archaeology, its principles, methods, and significance in understanding human history and culture. Students will learn about the techniques and approaches used by archaeologists to excavate, analyze artifacts, and interpret past societies.

#### Chapter 1: Introduction to Archaeology

- Definition and scope of archaeology
- Historical development of archaeology
- Subfields of archaeology (e.g., historical archaeology, classical archaeology, prehistoric archaeology)

#### Chapter 2: Archaeological Methods and Techniques

- Fieldwork and excavation techniques
- Survey methods and site identification
- Stratigraphy and dating methods (relative and absolute dating)
- Archaeological site formation processes

#### Chapter 3: Archaeological Record and Material Culture

- Concepts of the archaeological record
- Types of artifacts and ecofacts
- Analysis and interpretation of material culture

#### Chapter 4: Understanding Ancient Societies

- Cultural context in archaeology
- Culture and cultural evolution
- Lifeways of ancient societies

#### Chapter 5: Archaeology and Technology, Public Engagement, and Ethics

- Role of technology in modern archaeology
- GIS, remote sensing, and digital tools in archaeology
- Public engagement and cultural heritage management
- Ethics in archaeology

#### Suggested Readings

- "Archaeology: Theories, Methods, and Practice" by Colin Renfrew and Paul Bahn
- "The Archaeology Book: Big Ideas Simply Explained" by DK (Dorling Kindersley)
- "Archaeology: A Very Short Introduction" by Paul Bahn
- "Archaeology: Theories, Methods, and Practice" by Colin Renfrew and Paul Bahn





- "The Archaeology Book: Big Ideas Simply Explained" by DK (Dorling Kindersley)

**Note:**

**Courses included in the General Education Category are designed by the respective departments including their course codes, credit hours and titles (reflected in the scheme of studies). All such courses approved by the Syndicate are available on the university website. For any query the office of the Registrar Academics may be approached for clarification/guidance**



