

**Faculty of Archaeology and Anthropology  
Department in Archaeology**

**Study Plan for the Bachelor's Degree in Archaeology**

The Department of Archaeology offers a Bachelor Degree in Archaeology on the completion of the following requirements:

The fulfillment of the conditions stated in the bylaws for warding the Bachelor Degree in Humanities.

**1- University Requirements: (27 Credit Hours) as follows:**

**a. Obligatory Courses: (21 Credit Hours) as follows:**

| Course No. | Course Title                             | Credit Hours | Prerequisite |
|------------|--|--------------|--------------|
| Eng 100A   | English (1)                              | 3            |              |
| Ar 100     | Arabic (1)                               | 3            |              |
| 100        | Military Sciences                        | 3            |              |
| Eng 111    | English (2)                              | 3            |              |
| Ar 102     | Arabic (2)                               | 3            |              |
| Hist 106   | Jerusalem 5000 Year                      | 3            |              |
| CS 100     | Introduction to Computers and Applicatio | 3            |              |

**b. Elective Courses: (6 Credit Hours) chosen from the following courses outside those offered by the students faculty:**

| Course No. | Course Title                             | Credit Hours | Prerequisite |
|------------|--|--------------|--------------|
| Bio 100    | General Health and Health Education      | 3            |              |
| Env 100    | Environment and Society                  | 3            |              |
| Phys 100   | Fundamentals of Astronomy                | 3            |              |
| Hist 100   | History of Jordan throughout Ages        | 3            |              |
| Hist 151   | History of Arab Islamic Civilization     | 3            |              |
| PS 100     | Contemporary Issues                      | 3            |              |
| Soc 100    | Jordanian Society                        | 3            |              |
| J 100      | Communicational Culture                  | 3            |              |
| BF100      | Financial Sector & Development in Jordan | 3            |              |
| BA 100     | Marketing and Consumer Protection        | 3            |              |
| PAD 100    | Administration and Society               | 3            |              |
| Acc 100    | Accountancy for Non-specialists          | 3            |              |
| Econ 100   | Economics and the Jordan Society         | 3            |              |
| Econ 110   | Refugees and Displaced Persons           | 3            |              |

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|-------------|---|---|--|
| FA 100      | Aesthetic Culture                         | 3 |  |
| Edu 100     | Introduction to Education                 | 3 |  |
| Ed. Tsy102  | Introduction to Psychology                | 3 |  |
| Edu 103     | Education and Environment                 | 3 |  |
| Ed. Adm 105 | Introduction to Library Sciences          | 3 |  |
| DA 100      | Introduction to Drama                     | 3 |  |
| FM 100      | Music and Society                         | 3 |  |
| Pln 100     | Islamic Arts                              | 3 |  |
| EE 101      | Environment Engineering                   | 3 |  |
| EE 104      | Industrial Technology                     | 3 |  |
| EE 105      | Energy and Its Uses                       | 3 |  |
| Sh Us 100   | Islamic Culture                           | 3 |  |
| Sh Fq 100   | Islamic System                            | 3 |  |
| Sh Is 100   | Family System in Islam                    | 3 |  |
| PE 100A     | Sports in our Life                        | 3 |  |
| PE 103A     | Physical Fitness for All                  | 3 |  |
| PE 174      | Introduction to Sport Activities          | 3 |  |
| Law 100     | Law in our Life                           | 3 |  |
| law 101     | Human Rights                              | 3 |  |
| Law 153     | Introduction to Public Life and Liberties | 3 |  |

**2- Obligatory Course requirements (18 Credit Hours) as follows:**

| <b>Course No.</b> | <b>Course Title</b>  | <b>Credit Hours</b> | <b>Prerequisite</b> |
|-------------------|--|---------------------|---------------------|
| Arch 101          | Introduction to Archaeology                                      | 3                   |                     |
| Arch 104          |  | 3                   |                     |
| Arch 105          | Ancient Writings   | 3                   |                     |
| An 101            | Introduction to Anthropology                                     | 3                   |                     |
| CM 101            | Introduction to Conservation and Management of Cultural Heritage | 3                   |                     |
| CS 101C           | Selected Programming Language (Visual Basic)                     | 3                   |                     |

**3-Department course requirements: (87 Credit Hours):**

**A- Single major course requirements (87 Credit Hours):**

**A-a Obligatory courses (63 Credit Hours):**

| Course No. | Course Title                                       | Credit Hours | Prerequisite         |
|------------|--|--------------|----------------------|
| Arch 110   | Introduction to Prehistory                         | 3            | -                    |
| Arch 120   | Introduction to Classical Archaeology              | 3            | -                    |
| Arch 130   | Islamic Archaeology (1)                            | 3            | Arch 120             |
| Arch 140   | Introduction to the Application of Archaeology     | 3            | Arch 101             |
| Arch 150   | Canaanite Inscriptions                             | 3            | Arch 105             |
| Arch 210   | Bronze and Iron Ages in Southern Bilad al          | 3            | -                    |
| Arch 220   | Nabataean Culture                                  | 3            | Arch 120             |
| Arch 230   | Islamic Archaeology (2)                            | 3            | Arch 130             |
| Arch 240   | Reconstruction of Past Technologies                | 3            | Arch 140             |
| Arch 250   | Old Aramaic and Nabataean Inscriptions             | 3            | Arch 105             |
| Arch 301   | Field Archaeology                                  | 3            | Arch 101<br>CM 101   |
| Arch 310   | Stone Ages in the Near East                        | 3            | Arch 101<br>Arch 110 |
| Arch 320   | Classical Archaeology (1)                          | 3            | Arch 120             |
| Arch 330   | Islamic Archaeology (3)                            | 3            | Arch 230             |
| Arch 340   | Scientific Analysis of Archaeological Materials    | 3            | Arch 140             |
| Arch 350   | Old Greek  | 3            | Arch 105             |
| Arch 410   | Early Cities in the Ancient Near East              | 3            | Arch 210             |
| Arch 420   | Classical Archaeology (2)                          | 3            | Arch 320             |
| Arch 430   | Islamic Archaeology (4)                            | 3            | Arch 330             |
| Arch 440   | Dating Methods and Chronology                      | 3            | Arch 240             |
| Arch 450   | Old South Arabic and Old North Arabic Inscriptions | 3            | Arch 250             |

**A-b Elective courses (24 Credit Hours) to be selected from the following courses:**

| Course No. | Course Title  | Credit Hours | Prerequisite |
|------------|---|--------------|--------------|
| Env 103    | General Environmental Sciences  | 3            | -            |
| Geo 103    | General Geology   | 3            | -            |
| Arch 111   | Prehistoric Art   | 3            | Arch 110     |
| Arch 121   | Classical Arts  | 3            | Arch 120     |
| Arch 131   | Islamic Numismatics and Iconoclasm  | 3            | Arch 130     |
| Arch 141   | Archaeological Metals, Ceramic and Glass  | 3            | Arch 140     |
| Arch 151   | The Genesis and Development of the Arab   | 3            | Arch 105     |
| Arch 231   | Islamic Archaeology in Morocco and al-Andalus   | 3            | Arch 130     |
| Ar 241     | General Syntax  | 3            | -            |
| Arch 251   | The Relationship between Bilad al-Sham and the Arabian Peninsula in the Light of the Inscriptions | 3            | Arch 105     |
| Arch 311   | Lithic Tools  | 3            | Arch 110     |
| Arch 312   | Ancient Pottery   | 3            | Arch 110     |

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|----------|---|---|---------------------|
| Arch 321 | Irrigation and Agriculture Systems in the C | 3 | Arch 120            |
| Arch 331 | Islamic Archaeology in Egypt and Arabian    | 3 | Arch 130            |
| Arch 341 | Environmental Archaeology                   | 3 | Arch 101<br>Env 103 |
| Arch 342 | Remote Sensing and Geophysics in Archae     | 3 | Arch 140            |
| Arch 351 | Latin Language and Writings                 | 3 | Arch 105            |
| Arch 441 | Archaeology and Geographical Informatio     | 3 | Arch 140            |
| Arch 499 | Special Topics in Archaeology               | 3 | -                   |

Any course offered by the Department of Anthropology and the Department of Conservation of Cultural Heritage.

Any course offered by the Departments of Chemistry, Physics, Earth Sciences and Environmental Studies, Biology, History, Geography, Arabic Language and Literature, Public Administration, Faculty of fine Arts and Faculty of Law.

**B- Major/Minor course requirements:**

Students who follow this plan can have their major in Archaeology and their minor in the following: Anthropology, Conservation of Cultural Heritage, Chemistry, Physics, Earth Sciences, Environmental Studies, Statistics, Sociology, English Language, Modern Languages, Biology, Law, History and Geography.

**Major in Archaeology courses:**

**B-a Obligatory Courses (57 Credit Hours):**

| Course No. | Course Title                                   | Credit Hours | Prerequisite         |
|------------|--|--------------|----------------------|
| Arch 110   | Introduction to Prehistory                     | 3            | -                    |
| Arch 120   | Introduction to Classical Archaeology          | 3            | -                    |
| Arch 130   | Islamic Archaeology (1)                        | 3            | Arch 120             |
| Arch 140   | Introduction to the Application of Archaeology | 3            | Arch 101             |
| Arch 150   | Canaanite Inscriptions                         | 3            | Arch 105             |
| Arch 210   | Bronze and Iron Ages in Southern Bilad al      | 3            | -                    |
| Arch 220   | Nabataean Culture                              | 3            | Arch 120             |
| Arch 230   | Islamic Archaeology (2)                        | 3            | Arch 130             |
| Arch 240   | Reconstruction of Past Technologies            | 3            | Arch 140             |
| Arch 250   | Old Aramaic and Nabataean Inscriptions         | 3            | Arch 105             |
| Arch 301   | Field Archaeology                              | 3            | Arch 101<br>CM 101   |
| Arch 310   | Stone Ages in the Near East                    | 3            | Arch 101<br>Arch 110 |
| Arch 320   | Classical Archaeology (1)                      | 3            | Arch 120             |
| Arch 330   | Islamic Archaeology (3)                        | 3            | Arch 230             |
| Arch 340   | Scientific Analysis of Archaeological Mate     | 3            | Arch 140             |
| Arch 410   | Early Cities in the Ancient Near East          | 3            | Arch 210             |
| Arch 420   | Classical Archaeology (2)                      | 3            | Arch 320             |
| Arch 440   | Dating Methods and Chronology                  | 3            | Arch 240             |
| Arch 450   | Old South Arabic and Old North Arabic In       | 3            | Arch 250             |

**B-b Elective Courses (9 Credit Hours) to be chosen from the following courses:**

| Course No. | Course Title   | Credit Hours | Prerequisite |
|------------|--|--------------|--------------|
| Env 103    | General Environmental Sciences   | 3            | -            |
| Geo 103    | General Geology  | 3            | -            |
| Arch 111   | Prehistoric Art  | 3            | Arch 110     |
| Arch 121   | Classical Arts   | 3            | Arch 120     |
| Arch 131   | Islamic Numismatics and Iconoclasm   | 3            | Arch 130     |
| Arch 141   | Archaeological Metals, Ceramic and Glass   | 3            | Arch 140     |
| Arch 151   | The Genesis and Development of the Arab  | 3            | Arch 105     |
| Arch 231   | Islamic Archaeology in Morroco and al-Ar   | 3            | Arch 130     |
| Ar 241     | General Syntax   | 3            | -            |
| Arch 251   | The Relationship between Bilad al-Shar<br>Peninsula in the Light of the Inscriptions | 3            | Arch 105     |
| Arch 311   | Lithic Tools   | 3            | Arch 110     |
| Arch 312   | Ancient Pottery  | 3            | Arch 110     |
| Arch 321   | Irrigation and Agriculture Systems in the C  | 3            | Arch 120     |
| Arch 331   | Islamic Archaeology in Egypt and Arabian   | 3            | Arch 130     |
| Arch 341   | Environmental Archaeology  | 3            | Arch 101     |
| Arch 342   | Remote Sensing and Geophysics in Archae  | 3            | Arch 140     |
| Arch 351   | Latin Language and Writings  | 3            | Arch 105     |
| Arch 430   | Islamic Archaeology (4)  | 3            | Arch 330     |
| Arch 441   | Archaeology and Geographical Informatio  | 3            | Arch 140     |
| Arch 499   | Special Topics in Archaeology  | 3            | -            |

**C- Minor course requirements (21 Credit Hours) for minor in Archaeology:**

**C-a Obligatory courses (15 Credit Hours):**

| Course No. | Course Title                                      | Credit Hours | Prerequisite |
|------------|---|--------------|--------------|
| Arch 101   | Introduction to Archaeology                       | 3            | -            |
| Arch 120   | Introduction to Classical Archaeology             | 3            | -            |
| Arch 130   | Islamic Archaeology (1)                           | 3            | Arch 120     |
| Arch 140   | Introduction to the Application of<br>Archaeology | 3            | Arch 101     |
| Arch 210   | Bronze and Iron Ages in Southern Bilad al         | 3            | -            |

**C-b Elective courses (6 Credit Hours) to be chosen from the following list:**

| Course No. | Course Title                             | Credit Hours | Prerequisite |
|------------|--|--------------|--------------|
| Env 103    | General Environmental Sciences           | 3            | -            |
| Geo 103    | General Geology                          | 3            | -            |
| Arch 110   | Introduction to Prehistory               | 3            | -            |
| Arch 121   | Classical Arts                           | 3            | Arch 120     |
| Arch 131   | Islamic Numismatics and Iconoclasm       | 3            | Arch 130     |
| Arch 141   | Archaeological Metals, Ceramic and Glass | 3            | Arch 140     |
| Arch 151   | The Genesis and Development of the Arab  | 3            | Arch 105     |
| Arch 231   | Islamic Archaeology in Morroco and al-Ar | 3            | Arch 130     |
| Ar 241     | General Syntax                           | 3            | -            |

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|----------|---|---|---------------------|
| Arch 251 | The Relationship between Bilad al-Shar Peninsula in the Light of the Inscriptions | 3 | Arch 105            |
| Arch 311 | Lithic Tools  | 3 | Arch 110            |
| Arch 312 | Ancient Pottery   | 3 | Arch 110            |
| Arch 321 | Irrigation and Agriculture Systems in the C                                       | 3 | Arch 120            |
| Arch 331 | Islamic Archaeology in Egypt and Arabian  | 3 | Arch 130            |
| Arch 341 | Environmental Archaeology   | 3 | Arch 101<br>Env 103 |
| Arch 342 | Remote Sensing and Geophysics in Archae   | 3 | Arch 140            |
| Arch 351 | Latin Language and Writings   | 3 | Arch 105            |
| Arch 441 | Archaeology and Geographical Informatio   | 3 | Arch 140            |
| Arch 499 | Special Topics in Archaeology   | 3 | -                   |

**D- Course requirements for minor in Epigraphy (21 Credit Hours):**

**D-a Obligatory courses (15 Credit Hours):**

| Course No. | Course Title                             | Credit Hours | Prerequisite |
|------------|--|--------------|--------------|
| Arch 105   | Ancient Writings                         | 3            | -            |
| Arch 150   | Canaanite Inscriptions                   | 3            | Arch 105     |
| Arch 250   | Old Aramaic and Nabataean Inscriptions   | 3            | Arch 105     |
| Arch 350   | Old Greek                                | 3            | Arch 105     |
| Arch 450   | Old South Arabic and Old North Arabic In | 3            | Arch 250     |

**D-b Elective courses (6 Credit Hours) to be chosen from the following list:**

| Course No. | Course Title                             | Credit Hours | Prerequisite |
|------------|--|--------------|--------------|
| Env 103    | General Environmental Sciences           | 3            | -            |
| Geo 103    | General Geology                          | 3            | -            |
| Arch 110   | Introduction to Prehistory               | 3            | -            |
| Arch 121   | Classical Arts                           | 3            | Arch 120     |
| Arch 131   | Islamic Numismatics and Iconoclasm       | 3            | Arch 130     |
| Arch 141   | Archaeological Metals, Ceramic and Glass | 3            | Arch 140     |

| Course No. | Course Title  | Credit Hours | Prerequisite        |
|------------|---|--------------|---------------------|
| Arch 151   | The Genesis and Development of the Arab   | 3            | Arch 105            |
| Arch 231   | Islamic Archaeology in Morroco and al-Ar  | 3            | Arch 130            |
| Ar 241     | General Syntax  | 3            | -                   |
| Arch 251   | The Relationship between Bilad al-Shar Peninsula in the Light of the Inscriptions | 3            | Arch 105            |
| Arch 311   | Lithic Tools  | 3            | Arch 110            |
| Arch 312   | Ancient Pottery   | 3            | Arch 110            |
| Arch 321   | Irrigation and Agriculture Systems in the C                                       | 3            | Arch 120            |
| Arch 331   | Islamic Archaeology in Egypt and Arabian  | 3            | Arch 130            |
| Arch 341   | Environmental Archaeology   | 3            | Arch 101<br>Env 103 |
| Arch 342   | Remote Sensing and Geophysics in Archae   | 3            | Arch 140            |
| Arch 351   | Latin Language and Writings   | 3            | Arch 105            |
| Arch 441   | Archaeology and Geographical Informatio   | 3            | Arch 140            |
| Arch 499   | Special Topics in Archaeology   | 3            | -                   |

### List of BA Courses Offered by the Department of Archaeology

| Course No. | Course Title                | Credit Hours | Prerequisite |
|------------|-----------------------------|--------------|--------------|
| Arch 101   | Introduction to Archaeology | 3            | -            |
| Arch 102   | Origins of Civilization     | 3            | -            |
| Arch 105   | Ancient Writings            | 3            | -            |
| Arch 110   | Introduction to Prehistory  | 3            | -            |

| Course No. | Course Title   | Credit Hours | Prerequisite        |
|------------|--|--------------|---------------------|
| Arch 111   | Prehistoric Art  | 3            | Arch 110            |
| Arch 120   | Introduction to Classical Archaeology  | 3            | -                   |
| Arch 121   | Classical Arts   | 3            | Arch 120            |
| Arch 130   | Islamic Archaeology (1)  | 3            | Arch 120            |
| Arch 131   | Islamic Numismatics and Iconoclasm   | 3            | Arch 130            |
| Arch 140   | Introduction to the Application of Sciences  | 3            | Arch 101            |
| Arch 141   | Archaeological Metals, Ceramic and Glass   | 3            | Arch 140            |
| Arch 150   | Canaanite Inscriptions   | 3            | Arch 105            |
| Arch 151   | The Genesis and Development of the Arabi   | 3            | Arch 105            |
| Arch 210   | Bronze and Iron Ages in Southern Bilad al-   | 3            | -                   |
| Arch 220   | Nabataean Culture  | 3            | Arch 120            |
| Arch 230   | Islamic Archaeology (2)  | 3            | Arch 130            |
| Arch 231   | Islamic Archaeology in Morroco and al-An   | 3            | Arch 130            |
| Arch 240   | Reconstruction of Past Technologies  | 3            | Arch 140            |
| Arch 250   | Old Aramaic and Nabataean Inscriptions   | 3            | Arch 105            |
| Arch 251   | The Relationship between Bilad al-Sham<br>Peninsula in the Light of the Inscriptions | 3            | Arch 105            |
| Arch 301   | Field Archaeology  | 3            | Arch 101, CM 101    |
| Arch 310   | Stone Ages in the Near East  | 3            | Arch 101, Arch 110  |
| Arch 311   | Lithic Tools   | 3            | Arch 110            |
| Arch 312   | Ancient Pottery  | 3            | Arch 110            |
| Arch 320   | Classical Archaeology (1)  | 3            | Arch 120            |
| Arch 321   | Irrigation and Agriculture Systems in the C  | 3            | Arch 120            |
| Arch 330   | Islamic Archaeology (3)  | 3            | Arch 230            |
| Arch 331   | Islamic Archaeology in Egypt and Arabian   | 3            | Arch 130            |
| Arch 340   | Scientific Analysis of Archaeological Mate   | 3            | Arch 140            |
| Arch 341   | Environmental Archaeology  | 3            | Arch 101<br>Env 103 |
| Arch 342   | Remote Sensing and Geophysics in Archaeo   | 3            | Arch 140            |
| Arch 350   | Old Greek  | 3            | Arch 105            |
| Arch 351   | Latin Language and Writings  | 3            | Arch 105            |
| Arch 410   | Early Cities in the Ancient Near East  | 3            | Arch 210            |
| Arch 420   | Classical Archaeology (2)  | 3            | Arch 320            |
| Arch 430   | Islamic Archaeology (4)  | 3            | Arch 330            |
| Arch 440   | Dating Methods and Chronology  | 3            | Arch 240            |
| Arch 441   | Archaeology and Geographical Information   | 3            | Arch 140            |
| Arch 450   | Old South Arabic and Old North Arabic Ins  | 3            | Arch 250            |
| Arch 499   | Special Topics in Archaeology  | 3            | -                   |

## **BA Courses Description**

### **Arch 101 Introduction to Archaeology**

This course provides an introduction to the theory, methods and aims of archaeology, in addition to the relation of archaeology to history, art, science and other disciplines. In this course students examine archaeology and professional ethics; archaeology as public interest; and legal organizations of archaeology.

### **Arch 102 Origins of Civilization**

The comparison of origins and institutions of civilizations in the old and new worlds, including the first state-organized societies of Mesopotamia, Egypt, Levant, the Indus Valley, China, the Aegean, Mesoamerica, and Peru.

### **Arch 105 Ancient Writings**

The course aims at giving a general idea about the invention of writing in the Ancient Near East and its development. This includes the pictographic, syllabic and alphabetic writing systems (Sumerian, Akkadian, Egyptian, Canaanite, Aramaic, Ancient South and North Arabic along with the related dialects). The development of writing will be illustrated through examples of inscriptions presented in chronological order. The course discusses also the contents of the inscriptions giving examples of inscriptions with religious, historical and votive contents.

### **Arch 110 Introduction to Prehistory**

This course aims at presenting an introduction to the prehistory of the world starting from the Paleolithic through the Chalcolithic eras. It discusses the characteristics of each era as sites location and settlement patterns, architecture, art, ritual practices, and industries including stone (flint, basalt and others), bone and others.

### **Arch 111 Prehistoric Art**

This course includes studying human ancient art from its beginning in the Upper Paleolithic in Europe. The course studies the excavated art objects dated to the Epi-Paleolithic, Neolithic and Chalcolithic periods uncovered at sites spread over the Ancient Near East. The course covers the manufacturing materials, types of objects and the decorative elements on them.

### **Arch 120 Introduction to Classical Archaeology**

This course studies the culture of the classical Periods from the Greek to the end of the Byzantine period, emphasis on the main development in the city plans, Architecture and minor Arts.



**Arch 121 Classical Arts**

The course studies various aspects of the Classical arts, such as mosaic, fresco, plaster and others, which stem from several cultures: Minoan, Mycenaean, Etruscan, and Phoenician. It also studies the eastern cultures such as the Palmyraean culture including its different arts, with concentration on the origin of these arts in its various stages of development. The course covers the manufacturing materials and methods.

**Arch 130 Islamic Archaeology (1)**

This course deals with Islamic architecture and art of mosques, castles and other related establishments and describes their evolution in the following areas: Arabian Peninsula, Syria, Egypt, Iraq and Marocco (North Africa) from the rise of the Islamic state to the fall of the Umayyads.

**Arch 131 Islamic Numismatics and Iconoclasm**

The course deals with the Islamic numismatics, their origin, forms and technology. The course also discusses the Iconoclasm phenomenon from Islamic point of view.

**Arch 140 Introduction to the Application of Sciences in Archaeology**

This course presents an overview of the application of physical, chemical, geological and biological methods in locating, dating and studying of archaeological remains.

**Arch 141 Archaeological Metals, Ceramic and Glass**

This course focuses on the study of the ancient techniques of metals production and fabrication. The course covers ancient metallurgical sites, including their excavation and interpretation, the geology of metallurgical raw materials and ancient smelting and metallurgical processes. The course also provides a study of the raw materials and manufacturing processes of ancient ceramic and glass.

**Arch 150 Canaanite Inscriptions**

The course aims at providing basic knowledge of the Canaanite inscriptions (Phoenician, Punic, Hebrew, etc.) on ground of selected texts, demonstrating their basic linguistic characteristics and their relationship with the other North-West Semitic languages. Reference will be made to the main tools of study: grammars, dictionaries and historical works.

**Arch 151 The Genesis and Development of the Arabic Script**

The course aims at introducing the students to the theories on the emergence of the Arabic script, through selected examples from the early Arabic inscriptions, such as the Namarah and Zabad inscriptions. The course also discusses the relationship between the Islamic Arabic script and the pre-Islamic Arabic inscriptions, such as Safaitic, Thamudic and Nabataean. It will study some examples of early Islamic building and tomb inscriptions and some texts written on papyri as well.

**Arch 210 Bronze and Iron Ages in Southern Bilad al-Sham**

The course furnishes introductory information about the Bronze and Iron Ages in the Levant. It studies the chronology and the archaeological material of each period/sub-period. The course presents also a discussion of some of the city– states of the Bronze and Iron Ages, especially the kingdoms of the Ammonites, Moabites and Edomites of the Iron Age.

**Arch 220 Nabataean Culture**

This course studies the various aspects of the Arab Nabataean culture, including the Nabataean settlements, architecture, and arts.

**Arch 230 Islamic Archaeology (2)**

This course introduces students to the architecture and arts of the mosques, castles, city planning, tombs and their evolution in both the western and eastern parts of the Islamic state under the Abbasids and Fatimids.

**Arch 231 Islamic Archaeology in Morocco and al-Andalus**

This course deals with the Islamic Architecture and art in Morocco and al -Andalus, such as mosques, schools, public fountains and tombs. The course deals also with the mutual influence between the eastern Islamic and western Islamic worlds.

**Arch 240 Reconstruction of Past Technologies**

This course introduces the students to the raw materials and manufacturing techniques used by ancient man to produce his tools and materials. The course examines the factors underlying the choice and manipulation of raw materials by ancient man for the production of his materials and tools.

**Arch 250 Old Aramaic and Nabataean Inscriptions**

The course aims at providing the student with basic knowledge of the Aramaic languages, their distribution and types of scripts. In the course, selected texts will be studied according to their chronological order. Reference will be made to the main tools of study: grammars, dictionaries and historical works.

**Arch 251 The Relationship between Bilad al-Sham and the Arab Peninsula in the Light of the Inscriptions**

The course studies the political, economical, and religious relationships between the peoples who lived in this region. These relationships will be illustrated with help of various texts, selected according to their chronological and thematic backgrounds.

**Arch 301 Field Archaeology**

This course provides field training for the students on the methods and techniques used in surveying and excavating of archaeological sites, documentation of sites and materials in-situ, conservation of archaeological materials, packaging, handling and transportation.

**Arch 310 Stone Ages in the Near East**

The course concentrates on studying the cultures of the Stone Ages in Jordan, Palestine, Syria, Iraq, Lebanon, and Turkey, in order to shed light on their most important accomplishments. The course will also deal with the most significant sites of these ages.

**Arch 311 Lithic Tools**

This course will examine lithic tools, their technology, manufacturing techniques and morphology, from the Palaeolithic Age until the historical era. The course could include practical training in manufacturing and usage of lithic tools.

**Arch 312 Ancient Pottery**

Students will be introduced to the manufacturing techniques of pottery, from the Neolithic Age to the Hellenistic period. The course will study pottery vessels according to their shapes, chronology and decorative elements.

**Arch 320 Classical Archaeology (1)**

This course studies the Classical cultures in the Levant, especially the Hellenistic period from the fourth century BC to the fourth century AD. It will study the material culture, the architecture and arts.

**Arch 321 Irrigation and Agriculture Systems in the Classical Periods**

The course studies the irrigation and agricultural systems in the Classical periods, along with the water-supply systems such as channels, cisterns, dams, and pools. It will deal also with the agricultural production, the economical and agricultural conditions of each culture.

**Arch 330 Islamic Archaeology (3)**

This course will examine the variety of architectural elements and arts of the different dynasties following the fall of the Fatimids: Buwayhids, Saljuqs and Atabigs to the rise of the Ayyubids. The study covers military and civil architecture such as mosques, madrasas, baymaristans, tombs and their evolution and styles in Syria, Egypt, Iraq, Iran and Turkey.

**Arch 331 Islamic Archaeology in Egypt and the Arabian Peninsula**

This course will cover the architecture and arts in Egypt and Arabian Peninsula including Yemen along with the eastern parts of the Peninsula, starting from the

construction of the mosque of the Prophet and its evolution. It also tackles the architecture of gates, madrasas, Kkanaqahs, mosques and baymaristans and their spatial distribution inside Cairo under the Ayyubids, Mamluks and Ottomans.

**Arch 340 Scientific Analysis of Archaeological Materials**

This course acquaints the student with a number of analytical techniques and methods, which are useful in the investigation of organic and inorganic archaeological materials. It provides a theoretical introduction as well as practical experience on a selection of methods. The potentials and limitations of methods are discussed through specific case studies.

**Arch 341 Environmental Archaeology**

The course focuses on how people have interacted with their environments and have used resources in the past. Topics such as human-environmental dynamics (history and theory), environmental change and human responses, people and natural resources and changing environments and resources in a long-term perspective are discussed in this course.

**Arch 342 Remote Sensing and Geophysics in Archaeology**

This course covers the application of modern methods and techniques in discovering archaeological sites and features. The general principles and application of remote sensing, aerial photography, geophysical and thermal prospecting techniques are covered in this course.

**Arch 350 Old Greek**

This course aims at giving a historical outline of Greek language. It aims also at teaching the basics of the Greek grammar, the origin of Greek script and at training the students in the translation of Greek texts into Arabic and vice versa using books of grammar and dictionaries.

**Arch 351 Latin Language and Writings**

This course aims at giving a historical outline of Latin. It aims also at studying the essentials of the Latin grammar, the origin of the script and at training the students in translation of Latin texts into Arabic and vice versa, using the basic grammars and dictionaries.

**Arch 410 Early Cities in the Ancient Near East**

The course will discuss the rise of cities and the formation of city-states in the ancient Near East in Iraq, Bilad al-Sham, and Anatolia. The Course will also emphasize the most important and capital cities of the ancient kingdoms of the Near East.

**Arch 420 Classical Archaeology (2)**

This course deals with the Greek and Roman cultures in the western Mediterranean from the sixth century BC to fourth century AD, and studies the material culture such as temples, theaters and city plans.

**Arch 430 Islamic Archaeology (4)**

This course provides an in-depth examination of architecture and arts such as the architecture of citadels, mosques, mausoleums and madrasas from the Ayyubid and the Mamluk periods to the end of the Ottoman period. Special attention will be given to the military, religious and civil monuments, their style and evolution in Syria, Egypt and Iraq.

**Arch 440 Dating Methods and Chronology**

This course covers the techniques available for archaeologists for dating archaeological sites and materials. The general principles and application of relative dating techniques such as stratigraphy and typological sequences as well as absolute dating techniques such as C14, thermoluminescence and uranium series are covered in this course.

**Arch 441 Archaeology and Geographical Information Systems**

Advanced computer techniques such as Geographic Information System (GIS), and Global Positioning System (GPS) are used to address regional archaeological problems. This applied course examines digital encoding and manipulation of archaeological and environmental data, and methods for testing hypotheses, analyzing, and modeling the archaeological record.

**Arch 450 Old South Arabic and Old North Arabic Inscriptions**

This course concerns the main epigraphical groups in the Arabian Peninsula, like Sabaeen, Minaean, Qatabanian and Hadramitic inscriptions in the South and Safaitic, Thamudic, Lihyanite and Hasaeen inscriptions in the North. The course will cover also the script of these inscriptions and their grammar in brief.

**Arch 499 Special Topics in Archaeology**

To be determined by the instructor.

**An 101 Introduction to Anthropology**

This course consists of an exposition of the various branches of anthropology and their links with the economic, cultural, political, and educational aspects of human life. It nevertheless, explains topics such as human genetics and evolution, races, and environmental adaptation. Besides, it discusses social anthropology, its methodology, goals, its relations with other sciences and its several theoretical and practical areas.

**Ar 241 General Syntax**

General and basic concepts of syntax like parts of speech, parsing, unaffectedness; emphasis on words in the nominative case such as subject (doer of the action), para subject; subject of nominal clause or sentence, predicate, kana (the defective "was") and its "sisters", verbs of comparison, Inna (semi verbal "surely") and its "sisters", words doing the function of Laisa (not). All these are to be dealt with in a comprehensive and integrated method which raises them above the Secondary School General Certificate level and refers the student to the main source books of syntax.

**CM 101 Introduction to Conservation and Management of Cultural Heritage**

This course introduces students to the various types of cultural resources. It deals with the general policies, strategies and techniques that should be used for the preservation and management of cultural heritage. The course emphasizes the role that cultural heritage can play in the sustainable development.

**CS 101C Programming in a Selected Language**

This course presents the fundamental concepts of programming using a selected programming language (in this case using Visual Basic). The course covers the basic structures and programming tools.

**Env 103 General Environmental Sciences**

This course presents the basic concepts of environmental science. It focuses on the major natural eco systems and wild life.

**Geo 103 General Geology**

This course deals with the relationships between geology and archaeology. The course discusses rocks, its types and properties, minerals, clay and its uses in archaeology, weathering and erosion stratigraphy, geological epochs, like emphasis on the Quaternary earthquakes and volcanoes.