**THREE YEARS’ DIPLOMA OF ASSOCIATE ENGINEER IN**

**LAND & RESOURCE SURVEY & MANAGEMENT**

**SCHEME OF STUDIES - 03 YEARS**

**FIRST YEAR**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Course code** | | **Course Name** | **T** | **P** | **C** |
| Gen | 111 | Islamiat & Pakistan Studies | 1 | 0 | 1 |
| Eng | 112 | English | 2 | 0 | 2 |
| GenC | 112 | Chinese Language-I | 2 | 0 | 2 |
| Math | 113 | Applied mathematics-I | 3 | 0 | 3 |
| Phy. | 122 | Applied Physics | 1 | 3 | 2 |
| Ch. | 112 | Applied Chemistry | 1 | 3 | 2 |
| LRSM | 111 | Introduction to Natural Resources | 1 | 0 | 1 |
| LRSM | 123 | Fundamentals of Surveying and Mapping | 2 | 3 | 3 |
| LRSM | 132 | Digital mapping | 1 | 3 | 2 |
| LRSM | 142 | General Geology | 2 | 0 | 2 |
| LRSM | 152 | Geographic Information System | 1 | 3 | 2 |
| **Total** | | | **17** | **15** | **22** |

**SECOND YEAR**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Course code** | | **Course Name** | **T** | **P** | **C** |
| Gen | 211 | Islamiat & Pak Studies | 1 | 0 | 1 |
| Math | 212 | Applied Mathematics-II | 2 | 0 | 2 |
| MgmC | 212 | Understanding China | 2 | 0 | 2 |
| GenC | 212 | Chinese Language- II | 2 | 0 | 2 |
| LRSM | 212 | Tectonic Geology | 1 | 3 | 2 |
| LRSM | 223 | Mineral and Rock Identification | 2 | 3 | 3 |
| LRSM | 232 | Real Estate Registration Investigation | 1 | 3 | 2 |
| LRSM | 242 | Digital Cartography | 1 | 3 | 2 |
| LRSM | 252 | Remote Sensing Application of Land and Resources | 2 | 0 | 2 |
| LRSM | 262 | Hydrology and Engineering Geology | 2 | 0 | 2 |
| **Total** | | | **16** | **12** | **20** |

**THIRD YEAR (1ST SEMESTER)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Course Code** | | **Course Name** | **T** | **P** | **C** |
| Gen | 311 | Islamiat & Pak Studies | 1 | 0 | 1 |
| GenC | 322 | Chinese Comprehensive-1 | 1 | 3 | 2 |
| GenC | 311 | Chinese Listening | 0 | 3 | 1 |
| GenC | 331 | Chinese Speaking | 0 | 3 | 1 |
| GenC | 351 | Chinese Reading and Writing | 0 | 3 | 1 |
| GenC | 341 | Chinese Culture -1 | 1 | 0 | 1 |
| GenC | 361 | Chinese Cultural Practice -1 | 0 | 3 | 1 |
| LRSM | 312 | Deposit Geology | 2 | 0 | 2 |
| **Total** | | | **05** | **15** | **10** |

**THIRD YEAR (2ND SEMESTER)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Course Code** | | **Course Name** | **T** | **P** | **C** |
| LRSM | 322 | Land and Resources Survey | 2 | 0 | 2 |
| LRSM | 332 | Land Remediation and Ecological Restoration | 1 | 3 | 2 |
| LRSM | 342 | Mineral Geological Survey | 1 | 3 | 2 |
| LRSM | 352 | Land Spatial Evaluation | 2 | 0 | 2 |
| LRSM | 362 | Land Spatial Database Application | 1 | 3 | 2 |
| GenC | 372 | Chinese Comprehensive-2 | 1 | 3 | 2 |
| GenC | 381 | Chinese Culture -2 | 1 | 0 | 1 |
| GenC | 391 | Chinese Cultural Practice -2 | 0 | 3 | 1 |
| **Total** | | | **09** | **15** | **14** |