**First year**

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| --- | --- |
| **The course name**  | **Course title** |
| Mathematics I | 101 SM1 |
| Engineering Drawing  | 102 SED |
| Engineering Mechanic  | 103 SEM |
| Surveying I | 104 SS1 |
| Programming I | 105 SP1 |
| Arabic Language | 106 SAL |
| Principle of Civil Engineering | 107 SPCE |
| Physics | 108 SPh |

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**Second year**

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| --- | --- |
| **subject**  | **code** |
| Mathematics II | 209 SM2 |
| Descriptive and projective  | 210 SDPj |
| Engineering Statistics | 211 SESt |
| Public Freedoms | 212 SPF |
| Surveying II | 213 SS2 |
| Programming II | 214 SP2 |
| Earth science  | 215 SESC |
| Matrices Algebra | 216 SMA |
| Estimation and landuse | 217 SELu |
| English Language | 218 SEL |
| Photogrammetry  | 219 SPo1 |
| Spherical Triangles | 220 SST |

**Third year**

|  |  |
| --- | --- |
| **The course name**  | **Course title** |
| Engineering Analysis  | 321SEA |
| Engineering Surveying  | 322 SES |
| Practical Astronomy  | 323 SPA |
| Adjustment Computations  | 324 SAC |
| Photogrammetry II | 325 SPo2 |
| Cartography  | 326 SC  |
| Remote Sensing | 327 SRS |
| Technical Report Writing  | 328 STRW |
| Project Management | 329 SPM |
| Cadastral Surveying  | 330 SCS |

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**Fourth year**

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| **The course name**  |  | **Course title** |
| Transportation |  | 431 ST |
| Geodesy | 432 SG |
| Surveying Maps with CAD | 433 SCAD |
|  Space Geodesy  |  | 434 SSG |
| Laser and Photogrammetry surveying | 435 SLPS |
| Maps Projection |  | 436 SMP |
| Engineering Project  |  | 437 SEP |
| Geography Information System (GIS) | 438 SGIS |
| Numerical Methods |  | 439 SNM |

**Master courses**

|  |  |
| --- | --- |
| **The course name**  | **Course title** |
| Optimization | 801SO |
| Advanced Statistic | 802SAST |
| Advanced Geodesy | 803SAG |
| Advanced Mathematics | 804SAM |
| Geoinformatics | 805SGEI |
| Advanced Space Geodesy | 806SASG |
| Advanced Remote Sensing | 807SARS |
| Advanced Cartography | 808SAC |
| English Language I | 809SEL1 |
| English Language II | 810SEL2 |
| Advanced Adjustment Computation | 811SAAC |
| Advanced Photogrammetric and laser Scanning (PLS) | 812SPLS |