

| | | | | | | | | | | | | | | |
|-------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PGE 220 | Fluid Properties | 3 | 2 | - | 2 | - | - | - | - | - | - | - | - | 3 |
| NTE | Non- Technical Elective | - | 2 | - | 2 | - | 5 | 2 | - | 2 | - | 5 | 2 | - |
| 3rd Year - 1st Semester | | | | | | | | | | | | | | |
| MTH 251 | Statistics and Probability | 5 | 2 | - | 2 | - | - | - | - | - | - | - | - | 1 |
| PGE 300 | Summer Practice I | - | - | - | - | - | 1 | - | 4 | 4 | 1 | 2 | - | - |
| PGE 301 | Introduction to Fluid Mechanics | 2 | 3 | 3 | 3 | 2 | - | - | - | - | - | - | - | 1 |
| PGE 303 | Production Engineering I | 5 | 2 | 2 | 2 | - | 5 | - | - | 2 | - | 2 | - | 1 |
| PGE 305 | Reservoir Engineering I | 5 | 2 | 2 | 2 | - | 5 | - | - | 2 | - | 2 | - | 1 |
| PGE 307 | Drilling Engineering I | 5 | 2 | 2 | 2 | - | 5 | - | - | 2 | - | 2 | - | 1 |
| AIT103 AIT 101 | Principles of Atatürk and the History of Turkish Revolution I | - | - | - | - | - | - | 5 | - | - | - | - | - | 3 |
| 3rd Year - 2nd Semester | | | | | | | | | | | | | | |
| PGE 304 | Production Engineering II | 5 | 2 | 2 | 2 | - | 5 | - | - | 2 | - | 2 | - | 1 |
| PGE 306 | Reservoir Engineering II | 5 | 2 | 2 | 2 | - | 5 | - | - | 2 | - | 2 | - | 1 |
| PGE 308 | Drilling Engineering II | 5 | 2 | 2 | 2 | - | 5 | - | - | 2 | - | 2 | - | 1 |
| PGE 310 | Oil and Gas Pipeline System | 5 | 2 | 2 | 2 | - | 5 | - | - | 2 | - | 2 | - | 1 |
| PGE 312 | Well Logging | 5 | 2 | 2 | 2 | - | 5 | - | - | 2 | - | 2 | - | 1 |
| UTE | Unrestricted Technical Elective | - | 2 | - | 2 | - | - | - | - | - | - | 1 | 1 | 1 |
| 4th Year - 1st Semester | | | | | | | | | | | | | | |
| PGE 400 | Summer Practice II | - | - | - | - | - | 1 | - | 4 | 4 | 1 | 2 | - | - |
| PGE 403 | Natural Gas Engineering | 5 | 2 | 2 | 2 | - | 5 | - | 2 | - | 2 | - | - | 1 |
| PGE 405 | Engineering Design | - | 2 | 2 | 2 | 2 | 5 | - | 2 | 2 | 2 | - | - | 1 |
| PGE 411 | Petroleum Property Valuation | 5 | 2 | - | 2 | - | - | - | - | - | - | 2 | - | 1 |
| AIT104 AIT 102 | Principles of Atatürk and the History of Turkish Revolution II | - | - | - | - | - | - | 5 | - | - | - | - | - | 3 |
| TE | Technical Elective | 5 | 2 | - | 2 | - | 5 | 2 | - | 2 | - | - | - | 1 |
| TE | Technical Elective | 5 | 2 | - | 2 | - | 5 | 2 | - | 2 | - | - | - | 1 |
| 4th Year - 2nd Semester | | | | | | | | | | | | | | |
| PGE 402 | Graduation Project | - | 2 | 2 | 2 | 2 | 5 | - | 2 | 2 | 2 | - | - | 1 |
| ECC 426 | Economics for Engineers | 2 | - | 2 | 4 | - | - | - | 1 | - | 1 | 2 | - | 3 |
| TE | Technical Elective | 5 | 2 | - | 2 | - | 5 | 2 | - | 2 | - | - | - | 1 |
| TE | Technical Elective | 5 | 2 | - | 2 | - | 5 | 2 | - | 2 | - | - | - | 1 |
| TE | Technical Elective | 5 | 2 | - | 2 | - | 5 | 2 | - | 2 | - | - | - | 1 |

| | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TE | Technical Elective | 5 | 2 | - | 2 | - | 5 | 2 | - | 2 | - | - | - | 1 |
| Technical (Field-Related) Elective Courses | | | | | | | | | | | | | | |
| PGE 407 | Reservoir Characterization | 2 | 3 | 2 | 4 | - | 5 | - | - | 2 | - | 2 | - | 1 |
| PGE 408 | Geophysical Analysis | 5 | 2 | 3 | 2 | - | 5 | - | - | 2 | - | 5 | - | - |
| PGE 409 | Process Control and Instrumentation | 2 | 2 | 3 | 2 | 2 | 4 | - | 1 | - | - | - | - | 2 |
| PGE 410 | Special Topics in Petroleum and Natural Gas Engineering | 4 | 4 | 4 | 5 | 4 | 3 | 3 | 1 | 1 | 2 | 2 | - | 2 |
| PGE 412 | Reservoir Rock and Fluid Properties | 3 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - | - |
| PGE 413 | Globalization and Petroleum Politics | - | - | 3 | 3 | - | - | 1 | 3 | - | 2 | 2 | - | 3 |
| PGE 414 | Transport Phenomena in Geosystems | 3 | 3 | 3 | 4 | 3 | 3 | - | - | - | - | - | - | - |
| PGE 415 | Pipeline Transportation Systems | 4 | 4 | 4 | 4 | 4 | 4 | - | - | - | 3 | 2 | - | 2 |
| PGE 416 | Environmental Control in Petroleum Engineering Operations | 3 | 4 | 4 | 4 | 4 | 2 | - | - | - | 3 | 2 | - | 2 |
| PGE 417 | Petroleum and Refining Processes | 3 | 3 | 3 | 3 | 3 | 3 | - | 3 | - | 4 | 4 | - | 4 |
| PGE 418 | Oil Transportation and Storage | 3 | - | 3 | 4 | 4 | 4 | - | - | - | 3 | 2 | - | 2 |
| PGE 419 | Health & Safety and Risk Management | - | 3 | 2 | 4 | 4 | 2 | - | 5 | 2 | 5 | - | - | 2 |
| PGE 420 | Project Management | 4 | 3 | 4 | 3 | 3 | 4 | - | 2 | 2 | 2 | - | - | 2 |
| PGE 421 | Introduction to Geothermal Reservoir Engineering | 4 | 2 | 3 | 2 | 2 | 4 | - | 2 | - | 2 | - | - | 2 |
| PGE 422 | Enhanced Oil Recovery | 3 | 3 | 4 | 3 | 4 | 3 | - | 2 | - | 2 | - | - | 2 |
| PGE 423 | Pressure Control | 5 | 3 | 4 | 3 | 4 | 3 | - | 2 | - | 2 | - | - | 2 |
| PGE 424 | Physical and Engineering Properties of Rocks | 3 | 1 | 3 | 5 | 4 | 3 | - | 2 | - | 2 | - | - | 2 |
| PGE 425 | Directional Drilling | 5 | 2 | 3 | 4 | - | 3 | - | 2 | - | 2 | - | - | 2 |
| PGE 426 | Petroleum Geochemistry | 3 | 5 | 4 | 4 | - | 4 | - | 2 | - | 2 | - | - | 2 |
| PGE 427 | Well Stimulation | 4 | 4 | 4 | 5 | - | 4 | - | 3 | - | 2 | - | - | 2 |
| PGE 428 | Transportation and Storage of Natural Gas | 4 | 5 | 4 | 3 | - | 4 | - | 3 | - | 3 | 2 | - | 2 |
| PGE 429 | Well Design Control | 3 | 3 | 3 | 3 | - | 4 | - | 3 | - | 3 | 2 | - | 2 |
| PGE 430 | Hydrocarbon Geophysics | 4 | 3 | 4 | 4 | - | 5 | - | - | 2 | - | 5 | - | 1 |
| PGE 431 | Geological Maps and Cartography | 3 | 4 | 4 | 4 | - | 2 | 1 | 1 | 2 | 3 | 2 | - | 3 |
| PGE 432 | Safety & Environmental Protection | - | 3 | 4 | 4 | 4 | 3 | - | 5 | 2 | 5 | - | - | 2 |
| PGE 433 | Well Design | 3 | 3 | 3 | 4 | - | 4 | - | 3 | - | 3 | 2 | - | 2 |
| PGE 434 | Individual Study | 2 | 4 | 5 | 3 | - | 3 | - | 1 | 2 | 2 | - | - | 1 |
| PGE 435 | Petroleum Fuels Market & Segment | 1 | 5 | 4 | 3 | - | 3 | - | 3 | - | 3 | - | - | 1 |

| | | | | | | | | | | | | | | |
|--------------------------|---|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|
| PGE 436 | Simulating of Geosystems | 5 | 4 | 4 | 5 | 2 | 4 | - | 3 | - | 3 | 3 | - | 3 |
| PGE 437 | Well Test Analysis | 3 | 4 | 4 | 4 | 4 | 3 | - | 3 | - | 2 | 2 | - | 2 |
| PGE 438 | Eastern Mediterranean Hydrocarbon Geopolitics | - | - | 5 | 5 | - | - | 1 | 3 | - | 2 | 2 | - | 3 |
| PGE 439 | LPG Technology and Sector | 3 | 2 | 3 | 4 | - | 3 | - | 3 | - | 3 | - | - | 1 |
| Second Foreign Languages | | | | | | | | | | | | | | |
| Xxx101 | Second Foreign Languages I | Please Select a Language | | | | | | | | | | | | |
| Xxx 102 | Second Foreign Languages II | Please Select a Language | | | | | | | | | | | | |
| Xxx101 | Second Foreign Languages III | Please Select a Language | | | | | | | | | | | | |
| Xxx102 | Second Foreign Languages IV | Please Select a Language | | | | | | | | | | | | |

* 1 Lowest, 2 Low, 3 Average, 4 High, 5 Highest