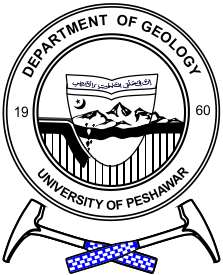
**Department of Geology**

**University of Peshawar, Pakistan**

**LIST OF NEW APPROVED COURSES**

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| **COURSE NO.** | **TITLE OF COURSE** | **CREDIT HOURS** |
| Geol. 500 | Computer Applications for Earth Sciences | 2 |
| Geol. 505 | Mathematics / Statistics | 2 |
| Geol. 510 | Geostatistics | 2 |
| Geol. 700 | Sedimentary Depositional Systems | 3 |
| Geol. 701 | Transitional Environments and Facies | 3 |
| Geol. 705 | Principles of Basin Analysis | 3 |
| Geol. 710 | Sedimentary Structures | 3 |
| Geol. 712 | Carbonate Structures | 2 |
| Geol. 715 | Paleomagnetism | 3 |
| Geol. 720 | Marine Geology | 3 |
| Geol. 722 | Coal Geology | 2 |
| Geol. 725 | Oceanography | 3 |
| Geol. 730 | Hydrogeology | 3 |
| Geol. 731 | Engineering Geology | 3 |
| Geol. 735 | Environmental Geology (Part-I) | 3 |
| Geol. 736 | Environmental Geology (Part-II) | 3 |
| Geol. 737 | Paleoclimatology (Part-I) | 3 |
| Geol. 738 | Paleoclimatology (Part-II) | 3 |
| Geol. 740 | Invertebrate Paleontology | 3 |
| Geol. 745 | Alkaline Igneous Rocks | 2 |
| Geol. 750 | Tectonics of North Pakistan | 3 |
| Geol. 751 | Interpretation of Geological Maps | 3 |
| Geol. 755 | Thrust Tectonics | 2 |
| Geol. 760 | Exploration Geochemistry | 3 |
| Geol. 761 | Mineralogy | 3 |
| Geol. 765 | Ore Deposits Geology | 3 |
| Geol. 767 | Metallogeny and Mineral Deposits of Pakistan | 2 |
| Geol. 770 | Metamorphic Structures | 3 |
| Geol. 771 | Gemology | 3 |
| Geol. 772 | Field Geology | 3 |
| Geol. 775 | Specialized Field and Lab. Techniques in Structural Geology | 3 |
| Geol. 777 | Igneous Petrology | 3 |
| Geol. 780 | Geochemistry | 3 |
| Geol. 783 | Sedimentary Petrology | 3 |
| Geol. 785 | Metamorphic Petrology | 3 |
| Geol. 788 | Petroleum Geology | 3 |
| Geol. 789 | Petroleum Engineering | 3 |
| Geol. 790 | Seminar (Teaching/Research of selected topics | 1-4 |
| Geol. 791 | Seminar in Mineralogy (selected topics to be decided by the instruction) | 1-4 |
| Geol. 792 | Remote Sensing | 3 |
| Geol. 793 | Geographic Information System (GIS) | 3 |
| Geol. 796 | Geophysics | 3 |
| Geol. 797 | Advance Instrumentation | 3 |
| Geol. 800 | Diagenesis of Sediments | 3 |
| Geol. 801 | Vertebrate Paleontology | 3 |
| Geol. 802 | Sequence Stratigraphy | 3 |
| Geol. 803 | Clastic Sedimentology | 3 |
| Geol. 804 | Non-Clastic Sedimentology | 3 |
| Geol. 805 | Principles of Stratigraphic Analysis | 3 |
| Geol. 806 | Biostratigraphy | 3 |
| Geol. 810 | Continental Environments and Facies | 4 |
| Geol. 812 | Marine Depositional Environments | 3 |
| Geol. 815 | Rock Magnestism | 3 |
| Geol. 820 | Regional Tectonics | 3 |
| Geol. 825 | Metallogeny and Plate Tectonics | 3 |
| Geol. 830 | Economic Evaluation in Exploration | 3 |
| Geol. 835 | Geological Data Analysis | 3 |
| Geol. 840 | Plate Tectonics and Kinematic of Plate Movements | 3 |
| Geol. 845 | Mesoscopic Structures | 2 |
| Geol. 850 | Adnavced Igneous Petrology | 3 |
| Geol. 855 | Advanced Geochemistry | 3 |
| Geol. 860 | Advanced Metamorphic Petrology | 3 |
| Geol. 865 | Seminar | 1-4 |
| Geol. 870 | Seminar in Advanced Paleontology | 1-4 |