



Master Program in Petroleum Geosciences

Based on the College of Geosciences, the International Master Program in Petroleum Geosciences enjoys unparalleled advantages for years. Aiming at pioneering knowledge, practical abilities, international perspective and creative thinking, students of this program are prepared with various geology-related courses by domestic and overseas elite faculties. This program is dedicated to providing its students with an education that combines rigorous academic lecture, field work and the excitement of group discussion with the intellectual stimulation of a diverse academic community. Seeking to develop each member the ability and passion to work wisely, creatively, and effectively for the betterment of resource exploration, it has been receiving continuous favorable responses from graduates, staffs, and faculties of the College of Geosciences.

COMPULSORY COURSES

- ◆ Numerical analysis
- ◆ Seismic interpretation
- ◆ Petrophysical analysis
- ◆ Geochemical evaluation
- ◆ Sedimentology
- ◆ Structural analysis
- ◆ Reservoir modeling.

SOME OPTIONAL COURSES

- ◆ Reservoir Geophysics
- ◆ Reservoir logging evaluation
- ◆ Scientific writing in English



SOME OF THE TOPICS OF THE MASTER THESIS OF 2011/2014 EDITION:

- ◆ Seismic Reservoir prediction of Shaximiao Group, Gaomiaozi Area, Zhongjiang, Sichuan
- ◆ Sandstone-conglomerate reservoir characterization with conventional wireline log and FMI
- ◆ Carbonate microfacies study in southwest Chaidamu Basin
- ◆ Microscopic tight gas reservoir characteristic and its distribution in Member Xu5 Upper Triassic, West Sichuan Depression.
- ◆ Shale reservoir heterogeneity and its mechanics of terrestrial rift
- ◆ Reservoir evaluation of Baikouquan Group, Tertiary, north slope, Mahu Sag.
- ◆ Tectonic deformation and experimental simulation of K-B faulted zone in Northwest Junggar Basin.
- ◆ Water flooded zone evaluation of Block 102 East Hebei Oilfield.
- ◆ Thin sandstone prediction in Shushanhe Group, Cretaceous, Yingmaili Area, North Tarim Basin.
- ◆ Tight hydrocarbon formation and favorable target for Fengcheng Group, Permian, Fengcheng Area, Junggar Basin

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