Lab Naming Opportunities Available

We are looking for an industry partner to sponsor our teaching and research labs in the Collaborative Energy Complex (CEC).

Collaborative Energy Complex (CEC) at UND

- Currently under construction
- Completion date: Fall 2016

UND is seeking industry support to fill the laboratories with equipment in the CEC building. The following labs space has been generously allocated by Hess. Please consider donating

Virtual 3D Reservoir Simulation Labs

Well Control Simulation Labs

For further information contact Petroleum Engineering Department Chair at UND: vamegh.rasouli@engr.und.edu
BS Program

University of North Dakota's College of Engineering and Mines offers the only Petroleum Engineering degree program in the state. With the discovery and development of the unconventional resources, this program is strategically important to UND and the state in terms of educating practical and hands-on engineers who can work in the field, and also develop the latest technologies for discovery, exploration, drilling and production of the oil and gas fields to produce future energy. The department offers on-campus and distance-learning (DEDP) undergraduate programs in Petroleum Engineering.

The future for the Petroleum Engineering program at UND is very promising based on the strategic location of North Dakota. With the strong support of the state, the University and the industry, it is expected that high quality hands-on and practical graduates will be produced to join the workforce and play an important role in leading the future of the energy industry in the country.

Petroleum has played a vital role in shaping North Dakota into the state it is today, and will surely be a guiding force in the region's future. The Petroleum Engineering program at UND provides students with the problem solving skills needed to be leaders in this rapidly growing field.

As the only petroleum engineering program in the state, we aim to develop a unique applied education and research program that includes recovery of oil and gas from conventional petroleum reserves as well as unconventional petroleum reserves such as the Bakken Formation in North Dakota. Students will gain practical, hands-on experience during laboratories throughout their time with the program. They're given the opportunity to design, conduct and analyze their own experiments much like they will in real world settings.

Programs to be offered from Fall 2016

Master Program

Both MEng and MS programs will be offered with a focus on teaching specialized courses in unconventional plays to serve the strong needs of the oil and gas industry in the State. Some of these courses are Reservoir Geomechanics, Petroleum Geostatistics, Advance Production Eng, Pressure Transient Testing, Data Mining in Petroleum Eng, Exploration Methods in Petroleum Eng, and Natural Gas Engineering.

PhD in Petroleum Eng

Currently, the Department is admitting PhD students through other Engineering disciplines, however, from fall 2016, it is expected that all students will be transferred and new PhD students to be admitted under Petroleum Engineering PhD Program. The PhD program will include practical research projects which will be tightly partnered with the industry.

Certificate Program in Petroleum Eng

Taking minimum of 16 credits from the Undergraduate Petroleum Eng curriculum through the distance mode, one can receive a certificate in Petroleum Engineering. The courses offered towards this program will be structured in a way to provide subject matter hands on and practical experiences. People who already work in the industry or those with major in other Engineering disciplines would highly advantage from this program.

Industry Support

The Department has representative from different companies in its Industry Advisory Council (IAC) board, who provide feedback to the Department towards improving the delivery of its program.

Contact

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