

Bossier Parish Community College
Master Syllabus

Course Prefix and Number: OGPT 101

Credits: 3-3-0

Course Title: Introduction to Exploration and Production of Oil and Gas

Course Prerequisite: MATH 099

Textbook(s): Denehy, Deby. Oil and Gas: The Production Story, 2nd edition. The University of Texas Petroleum Extension Service, 2008. ISBN 0886982251

Course Description: This course is an introduction to the various aspects of the oil and gas industry, including equipment, systems, instrumentation, operations, and the related scientific principles. The origins of oil and gas, exploration, leasing, drilling, testing and completing wells, stimulating reservoirs, reservoir production, lifting, recovering, and separation are also included. This course also meets the computer literacy requirement.

Learning Outcomes:

At the end of the course, the student will:

- A. understand basic oil and gas concepts;
- B. understand basic oil and gas exploration, drilling, and completion techniques;
- C. understand and identify basic oil and gas production processing and comprehend instrumentation and measurements; and
- D. understand basic oil and gas distribution.

To achieve the learning outcomes, the student will or will be able to:

(The letter designations at the end of each statement refer to the learning outcome(s).)

1. develop basic understanding of oil and gas concepts, including oil and gas terminology, composition, and geology; (A)
2. develop basic understanding of oil and gas exploration techniques, including data, leasing, and seismic techniques; (B)
3. develop basic understanding of drilling and completion techniques, including simple and complex wells, logging, casing/tubing, and fracturing; (C)
4. develop basic understanding of oil and gas production processing and equipment, including separation, dehydration, and compression; (D)
5. develop basic comprehension of oil and gas instrumentation and measurement, including tanks, valves, positive displacement, and two-phase flow; (C)
6. develop basic understanding of oil and gas processing, including products, hydrocarbon recovery, and amine sweetening; (D) and
7. develop basic understanding of oil and gas distribution; (D)

Course Grading Scale:

- 90% to 100% = A
- 80% to < 90% = B
- 70% to < 80% = C

60% to < 70% = D
< 60% = F

Attendance Policy: The college attendance policy is available at <http://www.bpcc.edu/catalog/current/academicpolicies.html>

Course Fees: This course is accompanied with an additional non-refundable fee for supplemental materials, laboratory supplies, software licenses, certification exams, and/or clinical fees.

Nondiscrimination Statement: Bossier Parish Community College does not discriminate on the basis of race, color, national origin, gender, age, religion, qualified disability, marital status, veteran's status, or sexual orientation in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of its operations. Bossier Parish Community College does not discriminate in its hiring or employment practices.

COORDINATOR FOR SECTION 504 AND ADA

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