

Bossier Parish Community College

Master Syllabus

Course Prefix and Number: OGPT 221

Credit Hours: 3-3-0

Course Title: Reservoir Analysis

Course Prerequisite: MATH 102 and OGPT 131

Textbook: Material covered will be taken from various sources including, but not restricted to, various textbooks, articles, public records, and instructor's company non-confidential job files.

Course Description: The course encompasses well production operations from exploration until the well is abandoned. Primary focus is on reservoir characteristics and relation to well completions, workovers, and stimulation, which are key and critical to producing operations.

Learning Outcomes:

At the end of the course, the student will:

- A. understand geologic conditions relevant to oil and gas production;
- B. understand hydrocarbon reservoir considerations;
- C. evaluate hydrocarbon reserves using geological and engineering data;
- D. understand the importance of logging, coring and testing;
- E. understand how to retrieve well information from State Oil and Gas databases.

Course Objectives:

To achieve the learning outcomes, the student will:

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

1. evaluate geologic conditions relevant to oil and gas reservoirs; (A)
2. evaluate temperature, pressure, porosity, and saturation, as related to hydrocarbon reservoirs; (B)
3. calculate and estimate hydrocarbon reserves; (C)
4. identify terms and describe processes related to coring; logging, and well testing (D)
5. utilize online resources to evaluate well data. (E)

Course Requirements: Complete all homework assignments, lab assignments, lecture, tests, and final exam. Computer access and scientific calculator are required.

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: None

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.

Title VI, Section 504, and ADA Coordinator

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Equity/Compliance Coordinator

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