Course Prefix & Number: OGPT 131                      Credit Hours: 3-3-0

Course Title: Well Completions and Workovers

Prerequisites: OGPT 103

Prerequisite or Corequisite: OGPT 245

Textbook(s): None

Course Description: Topics covered include: completion design process; reservoir parameters and hydrostatics; well performance; service rig; wellbore and completion equipment; artificial lift equipment; completion and workover fluids; well testing; stimulation; primary and remedial cementing; sand scale and hydrates; wireline; and coiled tubing. Students estimate production and completion data and develop a personal plan of action for completing and working over a well.

Learning Outcomes:
At the end of this course, the student will:
   A. understand geology related to the oil and gas industry;
   B. understand well completion, including completion types, and equipment;
   C. understand logging and testing techniques;
   D. understand the justification for well servicing and workovers;
   E. understand the need for fishing and equipment required; and
   F. demonstrate stimulation techniques and procedures.

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 understanding of geology related to drilling processes, including reservoirs and hydrostatics; (A)
   2. develop understanding of well completions, including types of completion, fluids, tubing, casing, and evaluation; (B)
   3. develop basic understanding of logging and testing techniques, including basic interpretation; (C)
   4. develop understand of workovers, including basic services and common equipment; (D)
   5. develop understanding of fishing requirements and equipment; (E) and
   6. develop basic understanding of the importance and evaluation of stimulation techniques and procedures; including fracturing and acidizing. (F)

Course Requirements: Textbook, Scientific Calculator
Course Grading Scale:

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<tr>
<th>Percentage Range</th>
<th>Grade</th>
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<tbody>
<tr>
<td>90% to 100%</td>
<td>A</td>
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<tr>
<td>80% to &lt; 90%</td>
<td>B</td>
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<td>70% to &lt; 80%</td>
<td>C</td>
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<td>60% to &lt; 70%</td>
<td>D</td>
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<tr>
<td>&lt; 60%</td>
<td>F</td>
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Attendance Policy: The college attendance policy is available at [http://www.bpcc.edu/catalog/current/academicpolicies.html](http://www.bpcc.edu/catalog/current/academicpolicies.html)

Course Fees: N/A

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Title VI, Section 504, and ADA Coordinator
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Email: sculpepper@bpcc.edu
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Human Resources Office, A-105
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