

**Course Evaluation Measures Menu**

**Course number: CPO 100**

**Course title: Intro to Chemical Process Operator Technology**

**Campus location(s): Stanton**

**Effective semester: 202351**

**Core Course Performance Objectives**

1. Discuss the roles, responsibilities, and working environment of the chemical process operator. (CCC 3; PGC 3)
2. Relate basic chemistry and physics concepts to chemical processing situations. (CCC 6; PGC 3)
3. Communicate at a fundamental level using chemical process industry terminology. (CCC 1; PGC 3)
4. Identify and describe the purpose of equipment in process, utility, and auxiliary systems. (CCC 6; PGC 3, 6)
5. Describe basic safety, health, and environmental standards relating to the chemical process industry. (CCC 4; PGC 1)
6. Discuss effective teamwork skills and quality improvement practices. (CCC 3; PGC 3)
7. Describe process system drawings. (CCC 2; PGC 3)
8. Describe the purpose or function of process control instrumentation in the process industry. (CCC 6, PGC 7)

**Summative Evaluations**

|  |  |
| --- | --- |
| **Evaluation Measures:** Include each agreed upon measure and scope of that measure (see above). | **Which CCPO(s) does this evaluation measure?**  |
| Test #1 – True & False (25), Multiple Choice (25), and Matching (23) questions for a total of 73 questions. | CCPO 1, 2, 6 |
| Test #2 – True & False (30), Multiple Choice (30), and Matching (10) questions for a total of 70 questions. | CCPO 3, 4, 5, 6, 7 |
| Test #3 – True & False (30), Multiple Choice (30), and Matching (10) questions for a total of 70 questions. | CCPO 3, 4, 5, 7 |
| Test #4 – True & False (25), Multiple Choice (25), and Matching (25) questions for a total of 75 questions. | CCPO 3, 4, 5, 7, 8 |
| Safety Minute – Students present 5-minute PowerPoint talk on safety topic of their choice two times per semester. | CCPO 5 |
| Homework – Requires reviewing power points and reading chapters from the textbook to answer questions. | CCPO 1, 2, 3, 4, 5, 6, 7, 8 |
| Class Participation – Students complete activities (assignments and discussions) during most classes. | CCPO 1, 2, 3, 4, 5, 6, 7, 8 |

**FINAL COURSE GRADE**

(Calculated using the following weighted average)

|  |  |
| --- | --- |
| **Evaluation Measure** | **Percentage of final grade** |
| Tests (equally weighted) (summative) | 70% |
| Safety Minute (summative) | 10% |
| Homework (formative) | 10% |
| Class Participation (formative) | 10% |
| TOTAL | 100% |

 (Electronic Signature Permitted)

**Submitted by (Collegewide Lead): Lakshmi Cyr**  Date 8/26/2021

**[ ]  Approved by counterparts Stanton Only Program**  Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**[ ]  Reviewed by Curriculum Committee**  Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_