

**SEWARD COUNTY COMMUNITY COLLEGE
COURSE SYLLABUS**

I. TITLE OF COURSE: CT2153- Reports and Estimating

**II. COURSE DESCRIPTION: 3 credit hours
1 credit hours of lecture and 2 credit hours of lab per week.**

This course will provide instruction of corrosion reports and estimation of cost associated with projects along with the analytical methods needed to diagnose, treat, monitor, and report corrosion projects to employers, reduce costs, protect the environment, and increase safe practices. Success in this course is based on the expectation that the students will spend for each unit of credit, three hours per week with 1 hour of class and 2 hours for studying outside/preparation outside of class time. Time spent outside the classroom will include work assignments on-line through course management systems, reading, written assignments and other course related activities.

For each unit of credit, a minimum of three hours per week with one of the hours for class and two hours for studying/preparation outside of class is expected.

Pre-requisite: None

III. PROGRAM AND/OR DEPARTMENT MISSION STATEMENT:

The Corrosion Technology program at Seward County Community College provides students with the opportunity to develop and enhance their skills in the corrosion technology field through educational and technical instruction.

IV. TEXTBOOK AND MATERIALS:

Instructor prepared/ Industry reviewed and approved job sheets, task list, and reference material.

V. SCCC OUTCOMES

Students who successfully complete this course will demonstrate the ability to do the following SCCC Outcomes.

- 1: Read with comprehension, be critical of what they read, and apply knowledge gained to real life
- 2: Communicate ideas clearly and proficiently in writing, appropriately adjusting content and arrangement for varying audiences, purposes, and situations.
- 3: Communicate their ideas clearly and proficiently in speaking, appropriately adjusting content and arrangement for varying audiences, purposes, and situations.
- 4: Demonstrate mathematical skills using a variety of techniques and technologies.
- 5: Demonstrate the ability to think critically by gathering facts, generating insights, analyzing data, and evaluating information

9: Exhibit workplace skills that include respect for others, teamwork competence, attendance/punctuality, decision making, conflict resolution, truthfulness/honesty, positive attitude, judgment, and responsibility

VI. COURSE OUTCOMES:

1. Students will write corrosion project reports.

2. Students will estimate project cost & maintenance of project cost
3. Students will estimate & schedule labor estimate & actual cost records
4. Students will understand Company procedural methods for project cost maintenance.
5. Students will illustrate their ability to manage projects, to manage their time, and demonstrate good work habits through punctuality, completion of assigned work on time, and respect for the attendance and honesty policies of SCCC

VII. COURSE OUTLINE:

1. Reporting methods & variations
2. Calculate cost & estimates
3. Write technical reports
4. Manage projects & timelines
5. Demonstrate safe & efficient environmental practices

VIII. INSTRUCTIONAL METHODS:

1. Lecture
2. Demonstrations
3. Discussion
4. Labs

IX. INSTRUCTIONAL AND RESOURCE MATERIALS:

1. Instructor prepared/ Industry reviewed & approved job sheets
2. Task list
3. Reference material

X. METHODS OF ASSESSMENT:

1. Outcome #1 will be assessed through exams, homework assignments, and projects
2. Outcome #2 will be assessed through outside of class room project, and class room projects
3. Outcome #3 will be assessed by rubric, and power point presentation
4. Outcome #5 will be assessed through, exams, homework assignments

XI. ADA STATEMENT:

Under the Americans with Disabilities Act, Seward County Community College will make reasonable accommodations for students with documented disabilities. If you need support or assistance because of a disability, you may be eligible for academic accommodations. Students should identify themselves to the Dean of Students at 620-417-1106 or going to the Student Success Center in the Hobbie Academic building, room 149 A.

Syllabus Reviewed: 6/23/2021