(PTEC-C110) Course Level SLO & Qualitative Notes

Describe the chemical processes used in petro-chemical refinement.

81654-(PTEC-C110-001)-Intro to Process Technology
by Ronald Smith,Kristi Smemoe

Students had trouble with some elements in Quiz 2 related to quality and physics which cause this outcome to be slightly lower. Consider including additional reference material for chemistry in Lesson 5. Also, improvements in lesson 4 and 6 should drive this number higher.

Given a process control scenario, the student will be able to design a process flow chart diagramming the movement through the major components used in the distillation of petro-chemical products.

81654-(PTEC-C110-001)-Intro to Process Technology
by Ronald Smith,Kristi Smemoe

8 Students Failed to complete the Final Exam causing a higher failed to meet % than might have been expected. Early dropping of non-participating students would cause this to improve.

(PTEC-C110) Institutional SLO & Qualitative Notes

Demonstrate ability to apply critical thinking and analysis.

81654-(PTEC-C110-001)-Intro to Process Technology
by Ronald Smith,Kristi Smemoe

1/3 of the class did not complete the Lesson 7 check your understanding quiz resulting in a lower score. A larger percentage completed the Mid Term.

Demonstrate ethical civic, environmental, and social responsibility.

81654-(PTEC-C110-001)-Intro to Process Technology
by Ronald Smith,Kristi Smemoe

Students did not do well on quiz 2. Analysis of the most frequently missed questions demonstrates a lack of understanding of some quality principles and some chemistry principles. This will impact a students knowledge of the environment and social responsibility. Recommend improvement of the Lesson 4 and 6.

(PTEC-C110) Program Level SLO & Qualitative Notes

Comply with environmental and safety regulations.

81654-(PTEC-C110-001)-Intro to Process Technology
by Ronald Smith,Kristi Smemoe

Lack of participation in Safety Topic discussion forums caused this SLO to drop lower. Also, difficulty with Quiz 2 on Quality and Physics (unrelated topics) had some effect.

Safely operate process equipment.

81654-(PTEC-C110-001)-Intro to Process Technology
by Ronald Smith,Kristi Smemoe

Eight out of 30 students failed to take the Final Exam causing the 26% failed to meet number. Earlier dropping of non-participating students might have had a positive impact on this number.

Work as a team member.

81654-(PTEC-C110-001)-Intro to Process Technology
by Ronald Smith,Kristi Smemoe

Low participation in the Lesson 7 check your understanding caused a higher failed to meet number than might otherwise have been expected. Need to increase the points allocated for this activity.

(PTEC-C113) Course Level SLO & Qualitative Notes

Assess equipment needs based on a given scenario.

81108-(PTEC-C113-001)-Process Tech 1: Equipment
by Randall Jewell

Need to explain better the charts, schmatics, and plot maps,for students to better understand equipment relationships.

Describe the function of process control equipment.

81108-(PTEC-C113-001)-Process Tech 1: Equipment
by Randall Jewell

Need to adjust some of the quizzes to better reflect the functions of some of the process control equipment.

Design a Flow Diagram Process outlining the path of resources through production and ending with the final products.

81108-(PTEC-C113-001)-Process Tech 1: Equipment
by Randall Jewell

Need to make some changes on the lesson plan to better reflect what the needs are necessary for.

(PTEC-C113) Institutional SLO & Qualitative Notes

Demonstrate ability to apply critical thinking and analysis.

81108-(PTEC-C113-001)-Process Tech 1: Equipment
by Randall Jewell

Need to improve in some of the instructions to help students in understanding the necessity to be complete in their answering of materials requested.

(PTEC-C113) Program Level SLO & Qualitative Notes

Safely operate process equipment.

81108-(PTEC-C113-001)-Process Tech 1: Equipment
by Randall Jewell

Need to have more lit. on the results of operational error and the consequences.

(PTEC-C115) Course Level SLO & Qualitative Notes

Compare monitoring requirements for the various equipment types within the TimTene Unit.

83239-(PTEC-C115-001)-Process tech 3: Operations
by Ronald Smith

Several students did not complete quiz 4 causing them to fail to meet the requirement.

Given an emergency scenario, select and diagram the corrective action that needs to be taken.

83239-(PTEC-C115-001)-Process tech 3: Operations
by Ronald Smith

Three students failed to complete quiz 4 causing a higher than expected failed to meet number.

(PTEC-C115) Institutional SLO & Qualitative Notes

Use effective communication and interpersonal skills.

83239-(PTEC-C115-001)-Process tech 3: Operations
by Ronald Smith

Most students met this SLO

(PTEC-C115) Program Level SLO & Qualitative Notes

Comply with environmental and safety regulations.

83239-(PTEC-C115-001)-Process tech 3: Operations
by Ronald Smith

Most students met this SLO.

Safely operate process equipment.

83239-(PTEC-C115-001)-Process tech 3: Operations
by Ronald Smith

Some student lack of participation toward the end of the semester caused lower failed to meet numbers.

Work as a team member.

83239-(PTEC-C115-001)-Process tech 3: Operations
by Ronald Smith

Several students failed to complete Quiz 4 resulting in a higher than expected failed to meet percentage.

(PTEC-C117) Course Level SLO & Qualitative Notes

Evaluate monitoring control output signals and recommend adjustments to the process based on that output.

83240-(PTEC-C117-001)-Instrumentation 2
by Ronald Smith

Slightly high rate of failed to meet SLO was due to students having some difficulty with questions about computer programming and logic. Part of the program include classes on computer science that might not have been completed prior to taking this class.

Given a basic description of a process and a P&ID of its ESD Systems, select appropriate emergency shutdown devices.

83240-(PTEC-C117-001)-Instrumentation 2
by Ronald Smith

Failed to meet percentage was due to student difficulty with computer programming and logic and not much to do with this SLO.

(PTEC-C117) Institutional SLO & Qualitative Notes

Demonstrate innovative thinking, and adaptive, creative problem solving skills.

83240-(PTEC-C117-001)-Instrumentation 2
by Ronald Smith

Section on troubleshooting and system analysis was well received by students and is an important part of this program.

(PTEC-C117) Program Level SLO & Qualitative Notes

Measure and control a process.

83240-(PTEC-C117-001)-Instrumentation 2
by Ronald Smith

Two students failed to complete the final exam and some had trouble with computer programming and logic causing a small failed to meet percentage.
