

# Kankakee Community College

## Course Assessment Plan and Report Form

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**\*\*\*To be completed by Faculty\*\*\***

Complete Part A (Plan) in September, for each course outcome that will be assessed for the semester. A separate form should be completed for each outcome assessed. Part A should be completed and submitted to the assessment committee chair, electronically or through intra-office mail, at the beginning of each semester.

Part B (Report) should be completed at the end of the semester. Submit the completed report to the assessment committee chair, electronically or through intra-office mail. The assessment chair will send the completed assessment reports to the appropriate division chair.

Part A (Plan):

Semester and Year: Fall 2021
Course Title: Commercial Refrigeration
Section(s) Assessed: AIRC – 1124.810
Faculty Member(s) Participating: Charles Cooke
Is This a Follow-Up to a Previous Assessment? <input checked="" type="checkbox"/> Y / N
Course Outcome Assessed: Troubleshoot & replace components
Method of Assessment: Lab assessment exercises; systematic operation fault (troubleshooting); proper handling of electrical and/or mechanical components (replace).
Desired Target (what percentage of students do you want to achieve the outcome): 75%; since exercises will be repeated at least 3 times, by last lab exercise, a level of competency should be achieved.

Part B (Report):

Number of Students Assessed: 8 students assessed 3 times each (24 tasks).
Results of the Outcome Assessed: Of the tasks given, 1 - adjust TXV; 2 – diagnose bad low pressure safety switch; 3 – bad contactor, tasks 1 & 3 were done properly within acceptable time limits for students. Task 2 was misdiagnosed by 4 of the 8 students.
What is the Plan to Improve on the Desired Outcome (if needed)? The students that improperly diagnosed the low pressure switch holding off the walk in cooler had no electrical course work at the time of taking this class. Will either advise students to take electrical course work first (staying in sequence) or will have to survey students that have not take sequential electrical course work and teach small portion of electrical work in Commercial class.

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### Part A (Plan):

Semester and Year: Spring 2022
Course Title: Fundamentals of Air Conditioning
Section(s) Assessed: AIRC – 1014.810
Faculty Member(s) Participating: Charles Cooke
Is This a Follow-Up to a Previous Assessment? Y / <b>N</b>
Course Outcome Assessed: Calculate superheat, sub-cooling and condenser split values
Method of Assessment: Quiz questions, midterm review questions, final exam questions, 2 lab demonstrations
Desired Target (what percentage of students do you want to achieve the outcome): Due to the multiple times this is to be done per students, looking for 85% successful completion.

### Part B (Report):

Number of Students Assessed: 7 students assessed 16 times (112 times).
Results of the Outcome Assessed: By the mid point of the term (56 calculated tasks), the success rate was lower than expected (33 successes-56.8%). By the completion of the term with additional practice, the successes of 56 calculated tasks was 52 successes (92.8%). Total for term was 75.8% successes.
What is the Plan to Improve on the Desired Outcome (if needed)? More lab practice time to reinforce the proper measurement and calculation of results.