INDOOR AIR QUALITY — HVAC 1110

A. Course Description

- **Credits:** 1.00
- **Lecture Hours/Week:** 1.00
- **Lab Hours/Week:** 0.00
- **OJT Hours/Week:** 0
- **Prerequisites:** None
- **Corequisites:** None
- **MnTC Goals:** None

Indoor air quality is an important consideration for the HVAC technician. This course familiarizes the student with accessories utilized in the HVAC field to improve indoor air quality. Topics covered include the different types of air filters, electronic air cleaners, UV air purifiers, air quality sensors, fresh air ventilation, humidifiers/dehumidifiers and heat/energy recovery ventilators.

B. Course Effective Dates: 8/24/15 – Present

C. Outline of Major Content Areas

As noted on course syllabus

D. Learning Outcomes

1. Demonstrate proper HVAC/R technician behavior and participate in the ride along days, as well as recognizing, defining and practicing safe work habits.
2. Analyze, discuss, and explain whole house ventilation and humidification/dehumidification system selection, operation and installation.
3. Analyze, discuss and explain air filtration and air purification techniques and equipment.
4. Perform preventative maintenance procedures and test for proper operations on miscellaneous ventilation, humidification/dehumidification and purification systems and equipment.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

F. Learner Outcomes Assessment

As noted on course syllabus

G. Special Information
None noted