



# Wayne County Community College District

## COURSE SYLLABUS

### HVA 109 Ventilation & Duct Fabrication

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**CREDIT HOURS:** 5.00

**CONTACT HOURS:** 75.00

**COURSE DESCRIPTION:** This course covers sheet metal design, layout, and construction. Sizing and installation of air handling systems based on selected blueprints is included in this course, as well as construction of common ducts and sheet metal components.

**PREREQUISITES:** HVA 106

#### **EXPECTED COMPETENCIES:**

*Upon completion of this course, the student will be familiar with:*

- Understand the fundamentals of fabrication system design and blueprint reading
- Demonstrate duct fabrication and installation using all common duct fabrication conventions

#### **ASSESSMENT METHODS:**

Student performance may be assessed by examination, quizzes, case studies, oral conversation, group discussion, oral presentations. The instructor reserves the option to employ one or more of these assessment methods during the course.

#### **GRADING SCALE:**

90%-100% = A  
80%-89.9% = B  
70%-79.9% = C  
60%-69.9% = D  
<60% = E