

Course Syllabus

Wayne County Community College District

HVA 202 Steam I

CREDIT HOURS: 3.00

CONTACT HOURS: 45.00

COURSE DESCRIPTION:

Prereq: HVA 201

This course covers fundamentals of heat, steam and other vapors, gases and vapor cycles of fuels and combustion, steam power plants, heat engines, building heating, systems and instruments. This course and other 200 level HVA courses prepare students for boiler operation and licensing.

EXPECTED COMPETENCIES

Upon successful completion of this course, the student will:

1. Understand the fundamentals of heat, steam and other vapors, gases and vapor cycles, fuels and combustion, steam power plants, heat engines, building heating, systems and instruments.
2. This course will assist along with other 200 level HVA courses to prepare students for boiler operations and licensing.

ASSESSMENT METHODS

Student performance may be assessed by examination, quizzes, case studies, oral reports, group discussion, written reports or 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