



Wayne County Community College District

COURSE SYLLABUS

GTT 101 Principles of Thermogeology

CREDIT HOURS: 3.00

CONTACT HOURS: 45.00

COURSE DESCRIPTION:

This course will cover the basic principles of the Earth's heat sources and their use as alternative, renewable, and baseload energy. Attention will be given to the Earth's formation, its core as a heat source, and its crust for solar energy storage. Ground source heat and its use as a renewable energy heating and cooling source will be emphasized. Field experience to geothermal sites will be conducted.

PREREQUISITES: NONE

EXPECTED COMPETENCIES:

Upon successful completion of this course, the student will:

1. Demonstrate and identify alternative heat sources for the purpose of renewable energy.

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