CARSE SYLLABUS

SED 140 Sustainable Materials

CREDIT HOURS: 3.00

CONTACT HOURS: 45.00

COURSE DESCRIPTION:
This course will discuss the historical concepts of traditional building and how it has affected the environment. Students will become familiar with renewable materials and they will also learn how to maximize the efficient use of natural resources. This course will also assess the sustainable design principles as it relates to the salvaging of existing structural materials. Students will analyze the environmental impacts associated with utilizing renewable and recycled materials.

PREREQUISITES: NONE

EXPECTED COMPETENCIES:
Upon completion of this course, the student will be familiar with:
- Sustainable Environmental Design focuses on the fundamental concepts of renewable energy sources, sustainable building materials and site selection.
- The program offers two Certificates, one in Renewable Energy Technologies and the other in Sustainable Buildings and Sites. Students may also use these classes to obtain an Associate Degree in Sustainable Environmental Design.
- Graduates who decide to move forward and obtain a degree from a four year institution will be prepared for the future careers in the rapidly growing Green Industry.
- Future career areas for students will include Green Engineering and Renewable Energy Production, Sustainable Urban Planning and Design, Sustainable Interior Design, Architecture, Landscape Architecture as well as Sustainable Building Construction.
- This curriculum prepares students for the LEED Accredited Professional Exam, the standard environmentally friendly certification in the construction industry.

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