El Paso Community College
Syllabus
Part II
Official Course Description

SUBJECT AREA	**Renewable Energy**
COURSE RUBRIC AND NUMBER	**RETS 1370**
COURSE TITLE	**Introduction to Renewable Energy Technologies**
CONTACT HOURS	**3 (Credits) 2 (Lec) : 2 (Lab)**

I. Catalog Description

Studies the scientific examination of the energy technology fields, with emphasis on alternate energy sources, their technology and application for the present and future needs and demands. Provides an introduction to the different technologies such as solar energy, wind energy, geothermal, wave and tidal, hydroelectric, fuel cells, and others. Provides the theory and practices, as well as economics involved in alternative renewable energy systems compared to conventional systems. **(2:2).**

II. Course Objectives

Upon satisfactory completion of this course the student will be able to:

A. List and explain the main sources of energy and their primary applications in the US and the world
B. List and describe the primary renewable energy resources and technologies
C. Describe the challenges and problems associated with the use of various energy sources with regard to future supply and the environment
D. Discuss remedies with potential solutions to the supply and environmental issues associated with fossil fuels and other energy sources.
E. Collect and organize information on renewable energy technologies as a basis for further analysis and evaluation

III. Evaluation

A. Home Work Assignments and Quizzes
Students are required to turn in review questions at the end of each unit of the textbook upon completion of that unit. The student will be given two quizzes; these grades will constitute 30% of the final grade.

B. Lab assignments will constitute 40% of final grade.

C. Final Exam
This exam will constitute 30% of the final grade.

D. Grading Scale:

The students must demonstrate the knowledge and skills stated in the objectives in order to complete the course. Letter grades will be arranged as follows:

100 - 90 =	A
89 - 80 =	B
79 - 70 =	C
69 - 60 =	D
59 - 0 =	F

Students should be able to compute their grade average anytime during the course. Missed assignments and make-up tests will be given at the discretion of the instructor.

IV. Disability Statement (Americans with Disabilities Act [ADA])

EPCC offers a variety of services to persons with documented sensory, mental, physical, or temporary disabling conditions to promote success in classes. If you have a disability and believe you may need services, you are encouraged to contact the Center for Students with Disabilities to discuss your needs with a counselor. All discussions and documentation are kept confidential. Offices located: VV Rm C-112
(831-2426); TM Rm 1400 (831-5808); RG Rm B-201 (831-4198); NWC Rm M-54 (831-8815);
and MDP Rm A-125 (831-7024).

V. 6 Drop Rule

Students who began attending Texas public institutions of higher education for the first time during the fall 2007 semester or later are subject to a 6-Drop limit for all undergraduate classes. Developmental, ESL, Dual Credit and Early College High School classes are exempt from this rule. All students should consult with their instructor before dropping a class. Academic assistance is available. Students are encouraged to see Counseling Services if dropping because exemptions may apply. Refer to the EPCC catalog and website for additional information.