East Tennessee State University • Department of Engineering Technology ENTC 4900-002 • Industrial Efficiency • Spring 2012

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巴加德巴	Classroom	111C Wilson Wallis Hall		
14.7	E-mail	ghearingg@etsu.edu		
计输出 网络	Phone	(423) 439-7825		
213元 正确的	Office	111A Wilson Wallis Hall		
	Office Hours	Mon., Wed., & Fri. 6:45-9:15AM		
	Class Homepage	https://elearn.etsu.edu/d2l/		

I Course Description, Credit Hours, and Prerequisites

ENTC 5900 (4 credits). Independent Study – Industrial Efficiency. Evaluation of a real world manufacturer's energy usage and developing a program of improvement for increasing efficiency and decreasing energy usage. Independent Study Schedule and Instructional Method.

II Course Objectives

The purpose of this class is to allow the students to work on a real world engineering technology assignment with complex requirements. Upon the successful completion of the course, the student will have developed and demonstrated the ability to:

- determine problem areas in a plant's energy usage;
- determine and record the metrics required for analysis;
- develop programs for improving efficiencies or reducing energy usage;
- determine projections for savings, including a payback analysis;
- test a system that maintains ergonomics, efficiency, quality, and safety;

III Texts and Materials

No Text Required

IV Attendance Policy

Attendance is a nonissue as this is an independent study course that follows no set class schedule.

V Evaluation and Grading

Grading is based on performance as revealed in the functionality and quality of the system's design and fabrication as well as the quality and comprehensiveness of the accompanying report and presentation about the system and its development.

·	•					Percent of Final Grade)
1. Project							
2. Paper/Presentation							
*						Points Total 100%	
Minimum Score to Receive							
A = 90	B + = 87	B = 83	B- = 80	C+ = 77	C= 70	F = Below 60%	

VI Attachment Link for Academic Misconduct, Disabilities, Counseling, Dates, Tutoring, etc. http://www.etsu.edu/reg/academics/syllabus.aspx

