

INTRODUCTION TO ENERGY MANAGEMENT**COURSE NUMBER:** NRG 101**INSTRUCTOR:** Roger Ebbage**CLASS HOURS:** Online**OFFICE HOURS:** By Appointment**COURSE CREDIT:** 3**OFFICE LOCATION:** DTC 402**E-MAIL ADDRESS:** ebbager@lanecc.edu**TELEPHONE/VOICE MAIL:** 463-6160**REQUIRED TEXTS & MATERIALS:** Plan B 4.0 Mobilizing to Save Civilization: Lester Brown**Or One from the Following List:**

The Power of Sustainable Thinking: Doppelt

Cradle to Cradle: McDonough and Braungart

Ecology of Commerce: Hawkin

Energy SoftPaths: A. Lovins

Natural Capitalism: A. Lovins, H. Lovins, Hawkin

The Lorax (Movie)

CLASS OBJECTIVES:

Introduction to Energy Management will provide an overview of the Energy Management, Renewable Energy, and Building Controls fields by looking at some of the technology and performing calculations that are related to these industries. The course will also define the need for Energy Management, Renewable Energy, and Building Controls as an integral part of society at all levels. We will investigate the various professional opportunities in Energy Management, Renewable Energy, and Building Controls through lectures and guest speakers.

ATTENDANCE POLICY:

Attending this course is very important. If you must miss a class, it will be necessary for you to give prior notice so you will have an opportunity to arrange for make-up work. You may call 463-6160, to speak with me or leave a message.

GRADING POLICY:

Vocabulary Quiz (2)	20%	“A” grade:	90-100%
Book Report (1)	20%	“B” grade:	80-89%
Personal Energy Use Project	30%	“C” grade:	70-79%
Informational Interview	30%	“D” grade:	60-69%

ACADEMIC INTEGRITY: LCC takes cheating and plagiarism seriously. Consequences include failing a test, an assignment, or the entire course, depending on severity, and students may be subject to further college sanctions. However, students are encouraged to study together. By all means discuss homework problems and solution techniques, but put your own work down on paper. See the instructor if you have questions.

COMPUTER AND INTERNET USE: This course requires students to use a computer and to have consistently reliable internet access. Campus computer labs are available for your convenience. Contact the Student Help Desk (SHed) about any computer, email or Moodle issues. See their website for contact information, options and hours of availability.

<https://www.lanecc.edu/learningcommons/student-help-desk>

MOODLE GUIDLINES: You are required to log onto Moodle at least 3 times week. Smartphones are not reliable for access to Moodle. Exceptions or accommodations will not be made for missed assignments or messages caused by smartphone/Moodle incompatibility. You must also follow proper online etiquette (Netiquette) and the student code of

conduct when interacting online. Contact the Student Help Desk (SHeD) about any computer, email or Moodle issues. See their website for contact information, options and hours of availability.

<https://www.lanecc.edu/learningcommons/student-help-desk>

Quality of Work: College level work requires that you thoroughly read and properly interpret assignment instructions. It also requires that you present work that is neat, legible, grammatically correct, properly formatted with complete headings and includes sited references or resources used to complete the assignment. Also, all resources should be sited from credible sources.

Student Conduct and Netiquette: In this class you are required to practice proper student conduct and netiquette. Any interaction or language that breeches these guidelines will be reported and students whom are responsible will be dropped from the course. Be acutely familiar with the netiquette guidelines from the following links.

- <http://www.onlinecolleges.net/using-online-course-etiquette-to-succeed-in-online-classes/>
- <http://www.centenarycollege.edu/cms/en/academic-services/blackboard-guidelines/online-etiquette/>

Provided is the link to the LCC Student Code of Conduct. <https://www.lanecc.edu/copps/student-code-conduct>

COMMUNICATION PLOICY: The instructor may take up to 48 hours to respond to student questions or concerns submitted via email, Moodle or voicemail. To set yourself up for success, review and begin completing assignments at the beginning of the week so that any questions can get addressed well before the weekend. Extensions will not be offered for students that delay in seeking help before the weekend. Most assignments will be due on Sunday night at 11:55PM.

STATEMENT OF TOLERANCE: Lane Community College is committed to providing a respectful working and learning environment that is free from discrimination, harassment and retaliation. Lane Community College is committed to equal opportunity, affirmative action, cultural diversity and compliance with the Americans with Disabilities Act. The College prohibits discrimination in admissions, employment and access to college programs, activities, and services. Sexual harassment and other conduct with creates hostile, intimidating or offensive environment is prohibited by the College. For assistance, support or help in resolution of problems, or information about complaint procedures, please refer to the Lane Community College Catalog.

ADMINISTRATIVE WITHDRAWAL: Students must attend at least 50% of the class during the first week. Any students who fail to attend or contact the instructor will be dropped to make room for other students. **After Sunday, October 4, 2015 at 11:59 p.m. NO tuition or fees will be refunded.** Students are financially and academically responsible for all courses in which they enroll. Those wishing to discontinue college attendance must complete official withdrawal procedures. For college policies regarding refunds see the class schedule.

ACCOUNTABILITY: I do not accept late work and I do not accept work via email. All assignments will be uploaded onto Moodle. If you foresee challenges with assignment deadlines, then it is your responsibility to contact the instructor in advance to make arrangements.

Students With Disabilities: If you need support or assistance because of a disability, you may be eligible for academic accommodations through Disability Services. For more information, contact Disability Services at (541) 463-5150 (voice), or 463-3079 (TTY), or stop by Building 1, Room 218.

<p>In Case Of MEDICAL EMERGENCY, call Student Health, x6666 For Other Emergencies, call Public Safety, x5555 THERE IS NO COST TO CALL 911.</p>

COURSE SCHEDULE:

<u>Week</u>	<u>Date</u>	<u>Topic</u>	
1	Sept 26/28	Introductions. Course / Program Overview (Vocabulary List 1)	
2	Oct 3/5	Joe Levesque, Energy Engineer Siemens Building Technology	Bruce Alford, Faculty Energy Management Program

3	Oct 10/12	Personal Energy Use Project Informational Interview Informational Interview	What is Energy Management and Why Should We Care?
4	Oct 17/19	Steve Jole, HACSAW Residential Energy	How Buildings Consume Energy
5	Oct 24/26	Moodle exercises Roger Out!	1st Vocabulary Quiz The First Step -Energy Accounting
6	Oct 31 Nov 2	Devon Guyette - Commercial Energy (Vocabulary List 2)	Internet Applications, On-Line Energy Information Professional Associations, Newsletters Industry Publications
7	Nov 7/9	The Second Step – Energy Utilization Index – EUI Splits	Guest Speaker-Renewable Energy
8	Nov 14/16	Bench Marking	Lynne Eichner-Kelly, Eugene Energy Specialist
9	Nov 21/23	2nd Vocabulary Quiz	
10	Nov 28 Nov 30	Course Wrap-up (all assignments due)	
11	Dec 5	Finals Week	