

Curriculum Action Request (CAR)- Deletion- University of Hawaii Maui College

1. Author(s) Clifford Rutherford

2. Authors' Departments(s) Vocational/Technical Department

3. Date submitted to Curriculum Committee 11/11/14

4. a. General type of action? course program

b. Specific type of Deletion

course

certificate

from program

program Name of Program

other (specify)

Follow appropriate steps for Program Deletion

5. Reason for this curriculum action: Course has not been taught or reviewed by Curriculum Committee or Program at UHMC in more than 5 years. Course no longer required for any UHMC program.

6. Existing course

Alpha ENRG Number 104 Title Energy Storage and Control Credits 3

7. Is this course cross-listed? yes no If yes, list course

8. Revise current UHMC General Catalog page(s) p. 115-Remove all course information

9. Is this course

a. prerequisite for another course yes no If yes, list course

b. corequisite for another course yes no If yes, list course

c. part of a program map or sequence yes no If yes, list program

d. part of a certificate or degree yes no If yes, list

Are CAR forms included for changes in a through d above? yes no

Energy (ENRG)

20B Energy Conservation in the Home

Covers techniques for conducting an energy audit of the home to identify areas of energy loss or waste, including water heaters, ceiling and wall insulation, major and minor appliances, window reflective films, roof overhang, and window shading. 1cr., 15hr. lect./lab

20C Energy Conservation in the Condominium

Covers techniques for conducting an energy audit of the condo unit and facility to identify areas of energy loss or waste, including water supply systems, air conditioning, infiltration and exfiltration system, insulation, and windows. 1cr., 15hr. lect./lab

101 Introduction to Sustainable Technology

Prereq: ENG 19 with grade C or better or placement at least ENG 22, and MATH 18 or placement at least MATH 82, or consent. Recommended: ICS 101 or BUSN 150, and placement at ENG 100.

Introduces alternative methods for meeting long term energy needs, identifies and explores local resources including demand-side management of conventional gas and electric power and sustainable energy resources such as solar, wind, biomass, small hydroelectricity, geothermal, ocean thermal energy conversion, and alternative transportation fuel options. 3cr., 3hr. lect.

102 Energy Management Systems

Prereq: ENRG 101 (or concurrent), or consent. Introduces methods for meeting long term energy conservation, identifies and explores alternative monitoring and control systems and local energy efficient devices, including demand-side management of conventional gas and electric power as well as analysis of available new and retrofitted energy systems and their place in the integrated resource planning program in Maui County. 3cr., 3hr. lect.

103 Energy Production Systems

Prereq: ENRG 101 (or concurrent), or consent. Introduces theoretical concepts and practical applications of sustainable energy systems. Develops knowledge of photovoltaic, thermal, wind, hydro, ocean thermal, fossil, ocean wave, and absorption systems, with emphasis on solutions for residential and commercial applications in Hawai'i. 3cr., 3hr. lect.

104 Energy Storage and Control

Prereq: ENRG 101 (or concurrent), or consent. Introduces theoretical concepts and practical application of energy storage and control systems. Develops knowledge of batteries, thermal energy storage, pumped hydro, flywheel technology, and phase change storage. Discusses control, monitoring, testing, and safety equipment for energy storage systems, with emphasis on solutions for residential and commercial applications in Hawai'i. 3cr., 3hr. lect.

105 Biomass Energy Processes

Prereq: ENRG 101 (or concurrent), or consent. Introduces theoretical concepts and practical applications of methods for meeting long-term energy needs on Maui and in the State of Hawai'i through the utilization of biomass to produce energy and environmentally friendly by-products. 3cr., 3hr. lect.

193v Internship in Sustainable Technology

Prereq or coreq: ENRG 101, 102, 103, 104, or 105, and consent. Recommended: ENG 100, and ICS 101 or BUSN 150.

Introduces student to the workplace on a job within the student's area of interest and preparation. Student and instructor jointly develop learning outcomes, and the instructor and the employment supervisor jointly perform evaluation. (May be repeated for a maximum of 8 credits.) 1-4cr., 75hr. supervised work per credit

English (ENG)

A. Andaluz, E. Engh, T. Marmack, M. Masuda, L. Nagle, D. Snyder, R. Tasaka, E. White

15 English Language Fundamentals

Prereq: Placement for English language fundamentals, or consent.

Develops fundamental writing, reading, communication, and study skills. (A-F, N, W grades only.) 3cr., 3hr. lect.

19 Writing Skills

Prereq: ENG 15, or placement at ENG 19, or consent.

Concentrates on developing the paragraph: topic sentence and support. Improves sentence level skills of punctuation, grammar, and structure. (A-F, N, W grades only.) 3cr., 3hr. lect.

21 Developmental Reading

Prereq: ENG 19 with grade C or better, or placement at ENG 21, or consent. Recommended coreq: ENG 22.

Provides students with skills to develop college level reading rate, comprehension, and retention of their texts. Improves vocabulary and stresses discovery of main ideas and specific details. Provides practice in drawing inferences and encourages development of critical judgment. (A-F, N, W grades only.) 3cr., 3hr. lect.

22 Introduction to Composition

Prereq: ENG 19 with grade C or better, or placement at ENG 22, or consent. Recommended coreq: ENG 21.

Concentrates on developing the paragraph and introduces the essay. Improves sentence level skills of punctuation, grammar, and structure. (A-F, N, W grades only.) 3cr., 3hr. lect.

55 Business Communications - Written

Prereq: ENG 19 with grade C or better, or placement at least ENG 22, or consent.

Recommended coreq: ENG 21.

Focuses on business writing strategies and techniques. Emphasizes various forms and styles of business correspondence. Improves sentence level skills for business students. (Letter grade only.) 3cr., 3hr. lect.

100 Composition I

Prereq: ENG 22 or 55 with grade C or better, or placement at ENG 100, or consent.

Discovers and applies the concepts of purpose, audience, and tone in writing. Emphasizes evaluating written texts and writing various types of essays, including writing from sources. Focuses on critical thinking. 3cr., 3hr. lect. (FW)