8 September 2015

MEMORANDUM

To: Lance Uyeda, Chair Curriculum Committee
From: Joseph Ciotti, Pre-Engineering/"IKE Coordinator
Professor of Physics, Astronomy & Mathematics

Subject: Inclusion of physics course into pre-engineering concentration

I am requesting that PHYS 274 (General Physics III — Modern Physics) be listed as one of the pre-engineering options in WCC’s ASNS Pre-Engineering Concentration. PHYS 274 is a required course for an Electrical Engineering degree and a BS degree of physics at UH Mānoa.

PHYS 274 was approved by WCC’s Curriculum Committee in late Spring 2014. Since the ASNS Pre-Engineering Concentration proposal had been submitted in Feb 2014 for implementation in Fall 2014, PHYS 274 had not yet been approved and so was not ready for inclusion in the Pre-Engineering list of courses.

Now that PHYS 274 has been officially approved, it should be included as one of the pre-engineering options in Spring Year 2. The pathway matrix for this concentration should be revised to read: “CE 270 OR EE 160 OR EE 211 OR PHYS 274” .... “Applied Mechanics I Prereq: PHYS 170; credit for or registration in MATH 231 OR Programming for Engineers Prereq: Credit for or registration in MATH 140, Rec Prep: ICS 101 OR Basic Circuit Analysis I Prereq: Credit for or registration in MATH 231 or higher, credit for or registration in PHYS 272 OR General Physics III (Modern Physics) Prereq: : Credit for or registration in PHYS 272 and PHYS 272L, and credit for or registration in MATH 231.”

Your assistance in expediting this request is very much appreciated.
Curriculum Proposal Review Levels

Proposal: ASNS Pre-Engineering Concentration Modification

Joseph E. Ciotti
Date: 9-8-15

Department Chair

Jane R. Yeh
Date: 9/12/15

Curriculum Chair

Robert E. Wada
Date: 9-22-15

Faculty Senate Chair

Division Dean

Date: 10/8/15

Vice Chancellor

Date: 10/29/15

Chancellor

Date: Nov 3, 2015