

UMBC UGC Change in Existing Course: ENME 217 Engineering Thermodynamics

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Proposed Effective Date: Fall 2017

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COURSE INFORMATION: (please provide all information in the “current” column, and only the information changing in the “proposed” column)

change	current	proposed
<input type="checkbox"/> Course Number(s)	ENME 217	
<input type="checkbox"/> Formal Title	Engineering Thermodynamics	
<input type="checkbox"/> Transcript Title (≤30c)	Engineering Thermodynamics	
<input type="checkbox"/> Recommended Course Preparation	.	
<input checked="" type="checkbox"/> Prerequisite NOTE: Unless otherwise indicated, a prerequisite is assumed to be passed with a “D” or better.	You must have completed ENME 110 and MATH 152 and PHYS 121 all with a grade of “C” or better.	You must have completed both ENME 110 and MATH 152 with a grade of “B” or better, and PHYS 121 with a grade of “C” or better.
<input type="checkbox"/> Credits	3	
Repeatable?	Yes <input checked="" type="checkbox"/> No	Yes No
<input type="checkbox"/> Max. Total Credits	3	c r s c t r
Grading Method(s)	<input checked="" type="checkbox"/> Reg (A-F) <input type="checkbox"/> Audit Pass-Fail	<input type="checkbox"/> Reg (A-F) <input type="checkbox"/> Audit Pass-Fail

CURRENT CATALOG DESCRIPTION:

Properties, characteristics and fundamental equations of state of materials, work and heat transfer. First and second laws of thermodynamics, thermodynamic power and refrigeration cycles, gas/vapor mixtures and psychrometrics.

This course may be subject to a Course Materials Charge. The charge may vary by semester, depending on the course materials required. The Course Materials Initiative (CMI) was established to provide students with more affordable course materials, enhance the students’ experience on a common digital platform via Blackboard, and position UMBC to be ahead of the curve with digital content. More information is available at UMBC [Bookstore](#)’s website.

PROPOSED CATALOG DESCRIPTION (no longer than 75 words): leave blank if no changes are being proposed to the catalog description. NOTE: information about prerequisites should NOT appear in the catalog description.)

RATIONALE FOR CHANGE:

ME program’s posted gateway requirements include a grade of “B” in both ENME 110 and Math 152. This change makes the pre-requisites consistent with the gateway requirements.