ME 20000 Thermodynamics I
Sem. 1 and 2. SS. Class 3, cr. 3.
Prerequisites: CHM 11500 or equivalent. Concurrent Prerequisite: MA 26100 and ENGR 13200
First and second laws, entropy, reversible and irreversible processes, properties of pure substance. Application to engineering problems.
PURDUE UNIVERSITY
REQUEST FOR ADDITION, EXPIRATION, OR REVISION OF AN UNDERGRADUATE COURSE
(100-400 LEVEL)

DEPARTMENT: Mechanical Engineering
EFFECTIVE SESSION: Spring 2011

INSTRUCTIONS: Please check the items below which describe the purpose of this request.

- New course with supporting documents
- Add existing course offered at another campus
- Expiration of a course
- Change in course number
- Change in course title
- Change in course credit/ type

PROPOSED:

Subject Abbreviation: ME
Course Number: 20000
Long Title: Thermodynamics I
Short Title: Thermodynamics I

EXISTING:

Subject Abbreviation
Course Number

TERMS OFFERED

Check All That Apply:

- Summer
- Fall
- Spring

CAMPUS(ES) INVOLVED

- Calumet
- Cont Ed
- Ft. Wayne
- Indianapolis
- N. Central
- Tech Statewide
- W. Lafayette

CREDIT TYPE

1. Fixed Credit: Cr. Hrs. (Check One)

2. Variable Credit Range:

   Minimum Cr. Hrs
   Maximum Cr. Hrs
   (Check One)

3. Equivalent Credit:

   Yes
   No

4. Thesis Credit:

   Yes
   No

1. Pass/Not Pass Only
2. Satisfactory/Unsatisfactory Only
3. Repeatable
4. Maximum Repeatable Credit
5. Designator Required
6. Special Fees

INSTRUCTIONAL TYPE

Lecture
Recitation
Discussion
Lab Prep
Studio
Distance
Clinical
Experiential
Research
Ind. Study
Pract/Observ

Minutes Per Week
Meetings Per Week
Weeks Offered
% Credit Allocated
Delivery Method
Internet, Live, Text-Based, Video

Cross-Listed Courses

COURSE ATTRIBUTES: Check All That Apply

- Department
- Instructor
- Registration Approval Type
- Remedial
- Honors
- Full Time Privilege
- Off Campus Experience

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Calumet Department Head
Date
Calumet School Dean
Date

Ft. Wayne Department Head
Date
Ft. Wayne School Dean
Date

Indianapolis Department Head
Date
Indianapolis School Dean
Date

North Central Department Head
Date
North Central Chancellor
Date

West Lafayette Department Head
Date
West Lafayette College/School Dean
Date
West Lafayette Registrar
Date

OFFICE OF THE REGISTRAR
TO: The Engineering Faculty

FROM: The Faculty of the School of Mechanical Engineering

RE: ME 20000 Prerequisite Changes

The Faculty of the School of Mechanical Engineering has approved the following prerequisite change. This action is now submitted to the Engineering Faculty with a recommendation for approval.

From:

ME 20000  Thermodynamics I
Sem. 1, 2, & 3 Class 3, cr. 3
Prerequisite: CHM 11500-General Chemistry or equivalent
Concurrent Prerequisite: MA 26100-Multivariate Calculus

First and second laws, entropy, reversible and irreversible processes, properties of pure substance. Application to engineering problems.

To:

ME 20000  Thermodynamics I
Sem. 1, 2, & 3 Class 3, cr. 3
Prerequisite: CHM 11500-General Chemistry or equivalent
Concurrent Prerequisite: MA 26100-Multivariate Calculus and ENGR 13200-Transforming Ideas to Innovation II

First and second laws, entropy, reversible and irreversible processes, properties of pure substance. Application to engineering problems.

Reason: The added concurrent prerequisite of ENGR 13200 is needed because of the course change in the First-Year Engineering program.

James D. Jones, Associate Professor and Associate Head
School of Mechanical Engineering

Approved for the Faculty of the Schools of Engineering by the Engineering Curriculum Committee

ECC Minutes
Date
Chairman ECC