# PURDUE UNIVERSITY

REQUEST FOR ADDITION, EXPIRATION, OR REVISION OF AN UNDERGRADUATE COURSE
(10000-40000 LEVEL)

**Department:** Materials Engineering  
**Effective Session:** Spring 2009

**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
- [X] Change in course number
- [ ] Change in course title
- [ ] Change in course credit/type
- [ ] Change in course attributes (department head signature only)
- [ ] Change in instructional hours
- [ ] Change in course description
- [ ] Change in course requisites
- [ ] Change in semesters offered (department head signature only)
- [ ] Transfer from one department to another

**PROPOSED:**

<table>
<thead>
<tr>
<th>Subject Abbreviation</th>
<th>MSE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Number</td>
<td>260</td>
</tr>
<tr>
<td>Long Title</td>
<td>Thermo of Materials</td>
</tr>
<tr>
<td>Abbreviated title</td>
<td>Thermo of Materials</td>
</tr>
</tbody>
</table>

**EXISTING:**

<table>
<thead>
<tr>
<th>Subject Abbreviation</th>
<th>MSE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Number</td>
<td>350</td>
</tr>
</tbody>
</table>

**TERMS OFFERED**

- [X] Spring
- [ ] Fall
- [ ] Summer

**CAMPUS(ES) INVOLVED:**

- Calumet
- Cont Ed
- Ft. Wayne
- Indianapolis
- X. W. Lafayette

**CREDIT TYPE**

- 1. Fixed Credit: Cr. Hrs. [3]
- 2. Variable Credit Range: Minimum Cr. Hrs. [18]
- 3. Equivalent Credit: Yes [X] No [ ]

**COURSE ATTRIBUTES:** Check All That Apply

- [ ] Pass/Not Pass Only
- [ ] Satisfactory/Unsatisfactory Only
- [ ] Repeatable
- [ ] Maximum Repeatable Credit: [16]
- [ ] Credit by Examination
- [ ] Special Fees
- [ ] Registration Approval Type Department [X] Instructor [ ]
- [ ] Variable Title [X]
- [ ] Honors [ ]
- [ ] Full Time Privilege [ ]
- [ ] Off Campus Experience [ ]

**Schedule Type**

<table>
<thead>
<tr>
<th>Lecture</th>
<th>Minutes Per Mtg</th>
<th>Meetings Per Week</th>
<th>Weeks Offered</th>
<th>% of Credit Allocated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lab</td>
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<tr>
<td>Studio</td>
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<td>Distance</td>
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<tr>
<td>Clinic</td>
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<td>Exp.</td>
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<tr>
<td>Research</td>
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<tr>
<td>Ind.</td>
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<tr>
<td>Pract/</td>
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<tr>
<td>Obs.</td>
<td></td>
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</tbody>
</table>

**COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):**

Fundamental laws of thermodynamics and their applications to material systems; criteria for equilibrium; reaction and phase equilibria; properties of solutions; thermodynamic origins of phase diagrams.

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**Calumet Department Head**

Date

Calumet School Dean

Date

---

Fort Wayne Department Head

Date

Fort Wayne School Dean

Date

---

Indianapolis Department Head

Date

Indianapolis School Dean

Date

---

[Signatures]

West Lafayette Department Head

Date

West Lafayette College/School Dean

Date

West Lafayette Registrar

Date

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OFFICE OF THE REGISTRAR
# PURDUE UNIVERSITY
REQUEST FOR ADDITION, EXPIRATION, OR REVISION OF AN UNDERGRADUATE COURSE (10000-40000 LEVEL)

## PARTMENT Materials Engineering
EFFECTIVE SESSION Spring 2009

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

- [ ] 1. New course with supporting documents
- [ ] 2. Add existing course offered at another campus
- [ ] 3. Expiration of a course
- [X] 4. Change in course number
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- [ ] 10. Change in course requisites
- [ ] 11. Change in semesters offered (department head signature only)
- [ ] 12. Transfer from one department to another

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</tr>
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<tbody>
<tr>
<td>MSE</td>
<td>260</td>
<td>MSE</td>
<td>350</td>
</tr>
<tr>
<td>Class Title</td>
<td>Thermodynamics of Materials</td>
<td>Class Title</td>
<td>Thermo of Materials</td>
</tr>
<tr>
<td>Short Title</td>
<td>Thermo of Materials</td>
<td>Abbreviated title will be entered by the Office of the Registrar if omitted. (30 CHARACTERS ONLY)</td>
<td></td>
</tr>
</tbody>
</table>

### CREDIT TYPE

1. Fixed Credit: Cr. Hrs. 3
2. Variable Credit Range:
   - Minimum Cr. Hrs
   - Maximum Cr. Hrs
3. Equivalent Credit: Yes

### TERMS OFFERED

- [ ] Summer
- [ ] Fall
- [X] Spring

### CAMPUS(ES) INVOLVED

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

### COURSE ATTRIBUTES:

Check All That Apply

- [ ] 1. Pass/Not Pass Only
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### COURSE DESCRIPTION (INCLUDE REQUISITES/RESTRICTIONS):
Fundamental laws of thermodynamics and their applications to material systems; criteria for equilibrium; reaction and phase equilibria; properties of solutions; thermodynamic origins of phase diagrams.

### Cross-Listed Courses

- [ ]
- [ ]
- [ ]

### OFFICE OF THE REGISTRAR

Calumet Department Head Date

Calumet School Dean Date

Fort Wayne Department Head Date

Fort 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
TO: The Engineering Faculty

FROM: The Faculty of the School of Materials Engineering

DATE: March 1, 2008

RE: Course Number and Prerequisite Change

The faculty in the School of Materials Engineering have approved the changed course number and prerequisites of the course listed below. This action is now submitted to the Engineering Faculty with a recommendation for approval.

From: MSE 350 Thermodynamics of Materials
Sem. 2, Class 3, cr. 3.
Prerequisite: CHM 373 or consent of instructor

To: MSE 260 Thermodynamics of Materials
Sem. 2, Class 3, cr. 3.
Prerequisite: MA 261; Co-requisite: MSE 230 or consent of instructor

Reason for Change:

The School of Materials Engineering has implemented a new curriculum (See EFD 50-07) in which the content of MSE 350 is presented in the sophomore year. Thus, the course number should begin with a 200 prefix. CHM 373 is removed from the new curriculum as a course requirement and thus is no longer a prerequisite.

Keith J. Bowman, Professor and Head
School of Materials Engineering

APPROVED FOR THE FACULTY
OF THE SCHOOLS OF ENGINEERING
BY THE ENGINEERING
CURRICULUM COMMITTEE

ECC Minutes  # 6
Date  10-8-06
Chairman ECC  RJ Copia