Course Inventory Change Request

Date Submitted: 12/01/14 2:31 pm

Viewing: **MATH 2730 : Calculus for Engineering and Science III**

Last edit: 12/01/14 2:31 pm

Changes proposed by: TAMTINY

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**In Workflow**

1. MATH Editor
2. MATH Chair
3. SM Undergraduate Curriculum Committee Chair
4. SM Editor
5. SM Associate Dean
6. Coordinator Curriculum Management
7. University Curriculum Committee Chair
8. Coordinator Curriculum Management

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**Approval Path**

1. 12/01/14 2:51 pm  
   HOLLIGD: Approved for MATH Editor
2. 12/01/14 2:57 pm  
   TAMTINY: Approved for MATH Chair
3. 12/01/14 4:46 pm  
   CAMMAVI: Approved for SM Undergraduate Curriculum Committee Chair
4. 12/02/14 9:29 am  
   YARBREL: Approved for SM Editor
5. 12/02/14 9:33 am  
   CAMMAVI: Approved for SM Associate Dean

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**Catalog Pages referencing this course**

Chemical Engineering  
Chemical Engineering - CHEN  
College of Sciences and Mathematics  
Mathematics & Statistics  
Mathematics - MATH  
Physics  
Physics - PHYS  
Samuel Ginn College of Engineering
### Other Courses referencing this course

**Description:**

MATH 2630: Calculus III

### In The Catalog

**Submitter:**

**User ID:** TAMTINY  
**Phone:** 4-6572

**Change Type**

- Description
- Pre Requisite

**Proposing College/School:**

Coll of Sciences & Mathematics

**Department:**

Mathematics & Statistics

**Effective Term:**

Fall 2015

**Subject Code:**

Mathematics (MATH)

**Course Number:**

2730

**Justification for change:**

Students will have better success rate.

**Course Title:**

Calculus for Engineering and Science III

**Abbreviated Title:**

Calculus For Engr And Sci III

<table>
<thead>
<tr>
<th>Schedule Type</th>
<th>Contact/Group Hours</th>
<th>Weekly or Per Term?</th>
<th>Credit Hours</th>
<th>Anticipated Enrollment</th>
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</thead>
<tbody>
<tr>
<td>Lecture</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
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</table>

**Can the course be repeated?** No

**Total Credit Hours:** 4

**Grading Type:** Standard Grades

**Prerequisites:** Pr. grade "C" or better in MATH 1720.

**Prerequisite Courses:**

**Corequisites:**

**Restrictions:**

**Admin Restrictions:**
### Course Description:
Optimization and Lagrange multipliers. Linear, spherical, cylindrical, polar transformations. The Jacobian. Surface integrals and integrals over solids. Divergence, Stokes' Theorem, Gauss' Theorem. **Students may receive credit Credit will only be given for only one of MATH 2630/2637/2730. 2730, MATH 2630, or MATH 2637.**

### May Count Either:

### Affected Program(s):

### Overlapping or Duplicaton of Other Units' Offerings:

### Resources

### Course Objectives/Outcomes

### Is this course considered University Core?
No

### Course Content Outline

### Assignments / Projects

### Rubric and Grading Scale

### Attachments

### Course reviewer comments