Course Inventory Change Request

Date Submitted: 10/01/14 3:43 pm

Viewing:

**Mathematics (M) 408D**

Last approved: 08/03/14 2:41 pm

Last edit: 10/01/14 3:43 pm

Changes proposed by: mija

---

Catalog pages referencing this course

- Department of Mathematics
  - Graduate Courses

In The Degree Plan:
- M 308M : Multivariable Calculus
- M 408M : Multivariable Calculus

In The Description:
- G E 207D : Supplemental Instruction for Mathematics 408D
- M 325K : Discrete Mathematics
- M 328K : Introduction to Number Theory
- M E 335 : Engineering Statistics

As A Prerequisite:
- ACF 329 : Theory of Interest
- ARE 323K : Project Management and Economics
- BIO 328M : Biostatistics
- BIO 366D : Synaptic Physiology and Plasticity
- BIO 366M : Mathematical and Computational Neuroscience
- BME 335 : Engineering Probability and Statistics
- C E 311K : Introduction to Computer Methods
- C E 311S : Probability and Statistics for Civil Engineers
- C S 323E : Elements of Scientific Computing
- C S 352 : Computer Systems Architecture
- C S 352H : Computer Systems Architecture: Honors
- C S 354 : Computer Graphics
- C S 357 : Algorithms
- C S 357H : Algorithms: Honors
- C S 367 : Numerical Methods
- CH 301 : Principles of Chemistry I
- CH 301H : Principles of Chemistry I: Honors
- CH 302 : Principles of Chemistry II
- CH 302H : Principles of Chemistry II: Honors
- CH 353 : Physical Chemistry I
- CH 353M : Physical Chemistry I for Life Sciences
- CH 354 : Quantum Chemistry and Spectroscopy
- CHE 317 : Introduction to Chemical Engineering Analysis
- E E 331 : Electrical Circuits, Electronics, and Machinery
- E M 306 : Statics
- E M 311M : Dynamics
- E M 319 : Mechanics of Solids
- ECO 329 : Economic Statistics
- ECO 350K : Applied Economic Analysis
<table>
<thead>
<tr>
<th>Academic Level</th>
<th>Lower Division</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Type</td>
<td>Normal Course</td>
</tr>
<tr>
<td>Multiple Semester</td>
<td>Single Term</td>
</tr>
<tr>
<td>Title</td>
<td>Sequences, Series, and Multivariable Calculus</td>
</tr>
<tr>
<td>Course Schedule Title</td>
<td>SEQ, SERIES, AND MULTIVAR CALC</td>
</tr>
<tr>
<td>Same As</td>
<td></td>
</tr>
<tr>
<td>Restrictive Statement</td>
<td>Certain sections of this course are designated as advanced placement or honors sections; they are restricted to students who have scored well on the Advanced Placement Calculus BC exam or have the consent of the mathematics adviser.</td>
</tr>
</tbody>
</table>
This is the second semester of the basic calculus sequence. The introduction to the theory and applications of sequences and infinite series, including those involving functions of one variable, and an introduction to the theory and applications of differential and integral calculus of functions of several variables; subjects include methods of integration, parametric equations, sequences, infinite series, power series, vectors, vector calculus, functions of several variables, partial derivatives, gradients, and multiple integrals.

<table>
<thead>
<tr>
<th>Contact Hours</th>
<th>Lecture</th>
<th>Lab</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 hour:</td>
<td>3.0</td>
<td>2.0</td>
</tr>
</tbody>
</table>

Meeting Statement
Three lecture hours and two discussion hours a week for one semester.

Degree Plan Statement
Only one of the following may be counted: Mathematics 403L, 408D, 408M (or 308M).

Repeatable
No

Grading Method
Student Option

Prerequisites
Mathematics 408C, 408L, or 408S with a grade of at least C-.
Consent of Graduate Adviser: No
Upper Division Standing: No
Consent of Instructor: No

Duplicate Course Relations

Justification for change:
Material covered in M408C, D has been adjusted to conform with Calculus courses at other Universities and placement tests.

Course reviewer comments

Key: 9113