Course Inventory Change Request

Date Submitted: 09/15/14 4:55 pm

Viewing:

Mathematics (M) 427K

Last edit: 09/15/14 4:55 pm

Changes proposed by: mija

Catalog pages referencing this course

In The Description:
- G 207K: Supplemental Instruction for Mathematics 427K
- ASE 211K: Engineering Computation
- ASE 330M: Linear System Analysis
- ASE 366K: Spacecraft Dynamics
- BME 113L: Introduction to Numerical Methods in Biomedical Engineering
- BME 214L: Computational Fundamentals of Biomedical Engineering Design
- BME 365R: Quantitative Engineering Physiology
- C E 380P: Ocean Engineering Principles: Theory and Applications
- CSE 383D: Numerical Analysis: Interpolation, Approximation, Quadrature, and Differential Equations
- M 329W: Cooperative Mathematics
- M 361: Theory of Functions of a Complex Variable
- M 364K: Vector and Tensor Analysis
- M 372: Fourier Series and Boundary Value Problems
- M 372K: Partial Differential Equations and Applications
- M 374: Fourier and Laplace Transforms
- M 375M: Mathematical Modeling in Science and Engineering
- M 376C: Methods of Applied Mathematics
- PGE 310: Formulation and Solution of Geosystems Engineering Problems
- PGE 322K: Transport Phenomena in Geosystems
- PGE 323L: Reservoir Engineering II: Secondary and Tertiary Recovery
- PGE 326: Thermodynamics and Phase Behavior

Graduate Courses

As A Prerequisite:
- ASE 311: Engineering Computation
- ASE 330M: Linear System Analysis
- ASE 366K: Spacecraft Dynamics
- AST 352L: Positional, Dynamical, and Kinematical Astronomy
- BME 113L: Introduction to Numerical Methods in Biomedical Engineering
- BME 251: Biomedical Image, Signal, and Transport Process Laboratory
- BME 311: Network Analysis in Biomedical Engineering
- BME 314: Engineering Foundations of Biomedical Engineering
- BME 341: Tools for Computational Biomolecular Engineering
- BME 343: Biomedical Engineering Signal and Systems Analysis
- BME 344: Biomechanics
- BME 348: Modeling of Biomedical Engineering Systems
- BME 353: Transport Phenomena in Living Systems
- BME 365R: Quantitative Engineering Physiology
- C E 380P: Ocean Engineering Principles: Theory and Applications
- C S 383D: Numerical Analysis: Interpolation, Approximation, Quadrature, and Differential Equations
- CHE 253K: Applied Statistics
- CHE 322: Thermodynamics
- CHE 348: Numerical Methods in Chemical Engineering and Problem Solving

Other courses referencing this course

In Workflow

1. MATH Chair
2. NASC Deans Assistant
3. NASC Dean
4. Registrar
5. NRCRN
### Academic Level
- Upper Division

### Course Type
- Normal Course

### Multiple Semester
- Single Term

### Title
- Advanced Calculus for Applications I

### Course Schedule Title
- ADV CALCULUS FOR APPLICATIONS I

### Degree Plan Statement
- Mathematics 427J and Mathematics 427K may not both be counted

### Repeatable
- No

### Grading Method
- Student Option

<table>
<thead>
<tr>
<th>Academic Level</th>
<th>Upper Division</th>
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<tbody>
<tr>
<td>Course Type</td>
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<td>Single Term</td>
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**Contact Hours**

<table>
<thead>
<tr>
<th></th>
<th>Lecture</th>
<th>Lab</th>
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<td>4 hour</td>
<td>5.0</td>
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**Meeting Statement**

- Five class hours a week for one semester.

**Restrictive Statement**

- Ordinary and partial differential equations and Fourier series.
Prerequisites
Mathematics 408D, 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:
There is too much overlap between M 427K and M 427J for both to count.

Course reviewer comments