Mathematics

MATH 410  **Lin Algebra & Financial Apps**  credit: 3 OR 4 hours.

Emphasizes techniques of linear algebra and introductory and advanced applications to actuarial science, finance and economics. Topics include linear equations, matrix theory, vector spaces, linear transformations, eigenvalues and eigenvectors and inner product spaces. In addition, current research topics such as modeling, data mining, and generalized linear models are explored. 4 hours of credit requires approval of the instructor and department with completion of additional work of substance. Credit is not given for both MATH 410 and any of MATH 125, MATH 225, MATH 415 or MATH 416. Prerequisite: MATH 241; MATH 210 or FIN 221; or consent of instructor.

<table>
<thead>
<tr>
<th>CRN</th>
<th>Type</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>50884</td>
<td>Lecture-Discussion</td>
<td>E13</td>
<td>01:00 PM - 01:50 PM</td>
<td>MWF</td>
<td>165 - Everitt Laboratory</td>
<td>Varodayan, D</td>
</tr>
</tbody>
</table>

Credit Hours: 3 hours
Restricted to students majoring in Actuarial Science until November 26, 2012. Non-majors interested in this course may register on that date.

| 50885| Lecture-Discussion    | E14     | 01:00 PM - 01:50 PM | MWF  | 165 - Everitt Laboratory | Varodayan, D  |

Credit Hours: 4 hours
Departmental Approval Required
Restricted to Actuarial Science majors.