Class Schedule - Fall 2017

Mathematics

MATH 484  **Nonlinear Programming**  credit: 3 OR 4 hours.
Iterative and analytical solutions of constrained and unconstrained problems of optimization; gradient and conjugate gradient solution methods; Newton's method, Lagrange multipliers, duality and the Kuhn-Tucker theorem; and quadratic, convex, and geometric programming. 3 or 4 undergraduate hours. 3 or 4 graduate hours. 4 hours of credit requires approval of the instructor and department with completion of additional work of substance. Prerequisite: MATH 241; MATH 347 or MATH 348; or equivalent; MATH 415 or equivalent; 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>30809</td>
<td>Lecture-Discussion</td>
<td>F13</td>
<td>02:00 PM - 02:50 PM</td>
<td>MWF</td>
<td>241 - Altgeld Hall</td>
<td>Lavrov, M</td>
</tr>
</tbody>
</table>

Credit Hours: 3 hours
This course is restricted to Mathematics and Math&CS majors initially, but the restriction will be removed during business hours on April 14, 2017 by 1pm.

| 39140 | Lecture-Discussion  | F14     | 02:00 PM - 02:50 PM | MWF  | 241 - Altgeld Hall | Lavrov, M  |

Credit Hours: 4 hours
Instructor Approval Required
Restricted to Graduate - Urbana-Champaign.
Departmental approval forms will be available in 313 Altgeld Hall beginning on the first day of the semester until the 8th week of the semester.