SA405: Advanced Math Programming  
Fall AY2016  
Course Policies  
ASSOC. PROF. DAVID PHILLIPS

**Course goals:** This course is the sequel to SA305 and builds on the topics discussed there. Specifically, students are expected to have learned:

- How continuous linear optimization algorithms can be used to solve linear integer programs;
- How to model a variety of problems as linear integer programs; and
- How to use different software to code and solve linear integer programs.

**Contacting me:** You are encouraged to ask me questions in class and via email: dphillip@usna.edu.

**Course website:** [http://www.usna.edu/Users/math/dphillip/sa405.s15/index.html](http://www.usna.edu/Users/math/dphillip/sa405.s15/index.html)

**Extra Instruction:** Wednesday 3rd and 4th, by appointment in my office, CH334.

**Homework, quizzes, coding:**

- Each week, problems from the book will be assigned and the solutions will be posted on Blackboard. You are responsible for ALL of the assigned problems, but will only turn in those indicated on the syllabus for grading. The homework will form the basis for the quizzes.
- Quiz dates are indicated on the syllabus. These quizzes will be based on the homework. A small amount of the quizzes will NOT be on the homework, but on material discussed in lecture.
- Coding projects consisting of GUSEK, Excel, and Visual Basic will be assigned throughout the semester. These assignments will be collected as noted on the syllabus. You may discuss coding with other students, but should write your OWN code. Software may be used to verify that code is not copied, and violators will be reported in accordance with the Brigade Honor Concept.

**Tests:** There are two scheduled tests with the estimated dates given on the syllabus.

**Group Project:** You will be assigned to a small group of students to work together on a project. More information about this assignment will be provided in class.

**Grades:** Grades are assigned by point values as follows:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>90–100</td>
<td>80–89</td>
<td>70–79</td>
<td>60–69</td>
<td>0–59</td>
<td></td>
</tr>
</tbody>
</table>

The following table will be used to calculate semester grades.

<table>
<thead>
<tr>
<th>Evaluation</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Homework/projects</td>
<td>25%</td>
</tr>
<tr>
<td>2 Tests</td>
<td>50%</td>
</tr>
<tr>
<td>Quizzes</td>
<td>25%</td>
</tr>
</tbody>
</table>

Your final grade will be 70% of your final semester grade plus 30% of your final.