AGEC 689
Homeland Security
Economic issues
Implications for Policy Design

Bruce McCarl
Blocker 340D
mccarl@tamu.edu

David A. Bessler
Blocker 349 A
d-bessler@tamu.edu

Class for
MS and PhD Students
Multiple disciplines
Class Intent

Designed to examine
Economic and policy issues
Decision making under risk of accidental or deliberate events
Mainly agricultural threats
Animal disease,
Food contamination,
Invasive species,
Infrastructure disruption
Issues regarding
Assessment of damage
Assessment of vulnerability
Decision making regarding
  Prevention
  Detection
  Response
  Recovery
Policy design
Prerequisites

MS or PHD standing.

First part of class students will provide basic economic instruction to bring students to a common basis.
Class Materials

No Textbook

Reading materials will be assigned or suggested and will include lecture notes, journal articles, and government reports,

Lists of which will be provided on a topic-by-topic basis.

Most materials will be provided through the web site

http://agecon2.tamu.edu/people/faculty/mccarl-bruce/689Homeland.htm.
Grading:

The class grade will be made up of 4 parts

<table>
<thead>
<tr>
<th>Instrument</th>
<th>% of Final Grade</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>Midterm in class</td>
<td>25%</td>
<td>Oct. 14th</td>
</tr>
<tr>
<td>Project</td>
<td>25%</td>
<td>Nov 18 4pm</td>
</tr>
<tr>
<td>Homework</td>
<td>15%</td>
<td>As Assigned</td>
</tr>
<tr>
<td>Final</td>
<td>25%</td>
<td>Dec. 10th, 1:00 pm</td>
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<tr>
<td>Class part.</td>
<td>10%</td>
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Project Details:

Students will be expected to

• Address a broad homeland security issue
• Describe it from a technical and economic viewpoint
• Develop a maximum 10 page document applying class concepts to the issue.

Projects can be conducted by teams of no more than 3 (2 or 3) people.

A presentation will be given in class by the teams.
Project Details:

Several intermittent products will be due during semester as assigned including:

- Basic problem definition
- Economic impact scope,
- Approaches to reduce vulnerability.

Tentatively there are two dates for project presentation,

- November 20 and 25.

Students choose on a first-come, first-served base.

To encourage participation, students must submit at least two questions to instructors on each of other projects.
other than their own. Project proposals will be distributed in advance of the presentation so that students will have time to prepare questions for discussion.

Both the project report and the discussion questions are due by 4pm, November 18th. Instructors will forward a list of questions submitted to project teams for discussion during their presentation.