NORTHERN ILLINOIS UNIVERSITY
(DEPARTMENT OF TECHNOLOGY)
SYLLABUS - FALL 1995

COURSE DESCRIPTION

Organizational for survival from natural and man-made disasters. Warning, communication and radiological monitoring.

OBJECTIVES: The student will study, evaluate, and analyze:

1. natural and man-made disasters, before during, and after
2. the economic, social, psychological, physiological, and environmental effects of the disasters
3. the organizations and agencies involved in the relief
4. the components of a disaster plan

COURSE OUTLINE

1. Disasters
   1.1. Natural
   1.2. Man-made
2. Preparedness and planning
   2.1. Community and Industry disaster planning
   2.2. State and Federal
   2.3. Disaster warning and prevention
   2.4. Psychological, sociological, and behavioral response to disaster
   2.5. Emergency medical procedures
   2.6. Hospital disaster planning
   2.7. Emergency public health procedures
   2.8. Food relief
   2.9. Emergency shelters
3. Disaster oriented organizations and agencies
   3.1. National Defense System
   3.2. Police (local, state)
   3.3. Fire Department
   3.4. National Guard
3.5. Army
3.6. Red Cross
3.7. Salvation Army
3.8. Volunteers
3.9. Religious organizations

4. The role of the Federal Government
4.1. Department of Defense
4.2. Corps of Engineers
4.3. Bureau of Public Roads
4.4. Department of Agriculture
4.5. Small Business Administration
4.6. Public Health Service
4.7. Federal Housing Administration
4.8. Veterans Administration
4.9. General Service Administration
### COURSE SCHEDULES
#### DISASTER PREPAREDNESS
#### TECHNOLOGY 432

<table>
<thead>
<tr>
<th>WEEK</th>
<th>DATE</th>
<th>TOPIC</th>
<th>ASSIGNMENT</th>
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<tbody>
<tr>
<td>1</td>
<td>8/29/95</td>
<td>Introduction course overview</td>
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<tr>
<td>2</td>
<td>9/5/95</td>
<td>Natural/Technological disasters</td>
<td>Introduction to Disaster Planning (local level)</td>
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<td>3</td>
<td>9/12/95</td>
<td>Disaster Planning (continued)</td>
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<td>4</td>
<td>9/19/95</td>
<td>A.S.S.E. Conference or Alternative assignments</td>
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<td>5</td>
<td>9/26/95</td>
<td>American Red Cross and Disaster Response</td>
<td>State Planning for Disaster (overview)</td>
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<td></td>
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<td>Disaster Response</td>
<td>MID-TERM</td>
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<tr>
<td>6</td>
<td>10/3/95</td>
<td>Physical/Medical Aspects of Disaster</td>
<td>Psychological/Social Aspects</td>
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<tr>
<td>7</td>
<td>10/10/95</td>
<td>Overview of Group Projects</td>
<td>Radiological Monitoring</td>
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<tr>
<td>8</td>
<td>10/17/95</td>
<td>Industry Planning for Disasters</td>
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<tr>
<td>9</td>
<td>10/24/95</td>
<td>School Planning for Disasters</td>
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<td>10</td>
<td>10/31/95</td>
<td>Group Term Project Research</td>
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<tr>
<td>11</td>
<td>11/7/95</td>
<td>Overview of Group Plans</td>
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<td>12</td>
<td>11/14/95</td>
<td>Federal Role in Disasters</td>
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<tr>
<td>13</td>
<td>11/21/95</td>
<td>Field Research</td>
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<td>14</td>
<td>11/28/95</td>
<td>Group Oral Plan Overview</td>
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<tr>
<td>15</td>
<td>12/5/95</td>
<td>Group Oral Plan Overview</td>
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<td>16</td>
<td>12/12/95</td>
<td><strong>FINAL EXAM</strong></td>
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This schedule is subject to modification which will be announced in class.
TECH 432 - DISASTER PREPAREDNESS

COURSE ASSIGNMENTS:

Each participant will work in one of three groups developing a plan to deal with disasters in Northern Illinois in one of three settings: (1) communities, (2) industries, or (3) schools. A written sample plan will be developed, duplicated and orally presented.

Each participant will also identify an actual disaster and critique the disaster from a disaster preparedness perspective highlighting the strengths and weaknesses in the preparation and actual carrying out of a disaster program.

Graduate students will contract with the instructor to meet their graduate requirement.

<table>
<thead>
<tr>
<th>EVALUATION:</th>
<th>GRADING</th>
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<tbody>
<tr>
<td>Midterm</td>
<td>100 points</td>
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<tr>
<td>Final</td>
<td>100 points</td>
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<tr>
<td>Group Report</td>
<td>100 points</td>
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<tr>
<td>Disaster Critique</td>
<td>50 points</td>
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<tr>
<td>Group Report (oral)</td>
<td>100 points</td>
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<tr>
<td>Total 400 points</td>
<td>Letter grade reflect % of point total</td>
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100-90% = A
89-80% = B
79-70% = C
69-60% = D
59% or less = F

EXTRA CREDIT:

Extra credit can be contracted for prior to the mid-term with the instructor (25 pts. max.)

NOTE:

All work must be typed.
No unexcused late work will be accepted.
All work is due by the last class session prior to the final exam.
Keep a COPY of YOUR work for your record: work will not be returned.