SYLLABUS EADP 4070
COMPUTERS IN EMERGENCY MANAGEMENT II-95C

Instructor—Robert Reed
Edwards Hall Rm 205
Office Hours—8:00–5:00
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REQUIRED TEXTS

Disaster Recovery Planning—Managing Risk & Catastrophe in Information Systems

Jon William Toigo, Yourdon Press, New Jersey, 1989

INTRODUCTION

The practice of emergency management principles is becoming more and more complex due to the increasing interaction between public and private sector resources. The use of computer technology to manage the planning for and response to disasters is becoming mandatory. Contingency planning requirements are being mandated for certain private sector businesses. This has initiated the development of computer software specifically designed for emergency management.

Computers in Emergency Management II is designed for undergraduate-level study leading toward a Bachelor of Science degree with a major in emergency administration. This course will allow the students to study, examine, analyze, and evaluate generic applications software for use in emergency management. Programs utilized in this course will include, (a) word processing, (b) spreadsheet, and (c) database management systems. Students will gain hands-on experience with four commercial emergency management/contingency planning programs, (a) Bayesian Decision Support System (BDSS), (b) Living Disaster Recovery Planning System (LDRPS), (c) Emergency Information System (EIS), and (d) SoftRisk. These software programs, have been donated to EADP to be used in classroom instruction. Students will assist in the development of the University of North Texas' Disaster Recovery Plan employing LDRPS for Windows, WAN version.

The major goals of this course are to acquaint the students with the state of-the-art software that is available to the emergency management community. This course will cover the principles that apply in the development of disaster/contingency plans utilizing, (a) hazard identification/risk assessment to include statistical probabilities, (b) recovery of critical computer-generated data bases and essential applications, (c) computer-generated emergency planning documents, (d) computer-generated exercise design, and (e) allocation of' resources in the response phase of the emergency.

EXPECTATIONS, FORMAT AND EVALUATION

Regular class attendance is a *minimum* expectation. Class sessions will generally follow a lecture/discussion/laboratory/seminar format—which implies a need for student preparation. This preparation will involve systematic reading and practice between class sessions. Students will be expected to work independently in the preparation of the UNT Disaster Recovery Plan.

The final course grade will be a weighted composite of the following:

1. Attendance/Participation 25%—Please note that it is difficult to participate unless one is present for class. The "participation" adjustment will be made to the following scale: 0 absence—95/one—90/two—80/three—60. Four unauthorized absences will be grounds for removal.
2. Tests 30%—two tests, mid-term 15% and final 15%.
3. Writing assignments 45%
   Critical analysis of three of the four software packages, BDSS, LDRPS, EIS, or SoftRisk (15% each).

DATE   ACTIVITY

Jan   18   Course overview—expectations
      25   Windows—Principles & Practice
Feb   1   BDSS
       8   Living Disaster Recovery Planning (LDRPS)
            Demonstration & Practice
      15   LDRPS
      22   Guest Lecturer
Mar   1   LDPRS
       8   SoftRisk—Principles & Practice

   13-17   - - - - - - -SPRING BREAK- - - - - - - -

      22   SoftRisk
      29   SoftRisk
Apr   5   Emergency Information System (EIS)
      12   EIS
      19   EIS
      26   EIS
May   3   Exercise
      10   Final

ADA STATEMENT

ADDENDUM TO ALL EADP SYLLABI

       The Emergency Administration and Planning Department, in cooperation with the Office of Disability Accommodation (ODA), complies with the *Americans with Disabilities Act* in making reasonable accommodations for qualified students with disabilities. Please present your written accommodation request within the first week of the semester. Students registered with ODA may present the Special Accommodation Request form from that office in lieu of a written request.