OAKTON COMMUNITY COLLEGE
COURSE SYLLABUS
Fall 2010

I.

COURSE PREFIX	COURSE NUMBER	COURSE NAME	CREDIT	LECTURE	LAB
CAD/FIR	191	Emergency Response Pre-plan Design	4	3	2

II. PREREQUISITE:

None

III. COURSE (CATALOG) DESCRIPTION:

A course for Emergency Responders using computer based software. This course is an introduction to Emergency Response Applications with emphasis on emergency pre-planning. Course will focus on designing plans for use by emergency responders using Firehouse, AutoCAD, and other applicable software. The computer will be used by students to document information about the condition of assets, including buildings and personnel for transmission to emergency operations managers and personnel who need it for planning response, crisis management, and recovery efforts.

Students cannot receive credit for both CAD 191 and FIR 191.

IV. LEARNING OBJECTIVES:

This course is an introduction to Emergency Response Solutions with emphasis on using computer assisted design, database and surveillance applications.

- Students will construct Computer Aided Design pre-plans.
- Students will develop an emergency pre-plan for a high risk occupancy.
- Students will create a pre-plan that can assist emergency management personnel.

V. ACADEMIC INTEGRITY:

Students and employees at Oakton Community College are required to demonstrate academic integrity and follow Oakton's Code of Academic Conduct. This code prohibits:

- cheating,
- plagiarism (turning in work not written by you, or lacking proper citation),
- falsification and fabrication (lying or distorting the truth),
- helping others to cheat,
- unauthorized changes on official documents,
- pretending to be someone else or having someone else pretend to be you,
- making or accepting bribes, special favors, or threats, and
- any other behavior that violates academic integrity.

There are serious consequences to violations of the academic integrity policy. Oakton's policies and procedures provide students a fair hearing if a complaint is made against you. If you are found to have violated the policy, the minimum penalty is failure on the assignment and, a disciplinary record will be established and kept on file in the office of the Vice President for Student Affairs for a period of 3 years.

Details of the Code of Academic Conduct can be found in the Student Handbook.

VI. OUTLINE OF TOPICS:

Week	Date	Topic
1	9/21	Class introduction and overview. Pre-Plans Module 1
2.	9/28	Pre-Plan symbology Fire Pre-plan Drawings Module 2
3.	10/5	Fire Pre-plan Maps Incidence reporting and notification Module 3
4.	10/12	Landmark information Emergency Resource Identification Module 4
5.	10/19	Creating safety zones Markup and highlight crucial information Module 5
6.	10/26	Structure Risk Assessment Hostile Intruder Analysis Module 6
7.	11/2	Fire-Flow Analysis Natural Disaster Planning Module 7
8.	11/9	Final Project – Pre-Plan
9.	11/16	TBA
10.	11/23	TBA
11.	11/30	TBA
12.	12/7	Presentations – Final Projects
13.	12/14	Presentations – Final Projects

The instructor reserves the right to make adjustments by informing the class accordingly.

VII. METHODS OF INSTRUCTION:

Lectures demonstrate drawing techniques with a hands on focus emphasizing the solution of emergency response problems.

Problems will be assigned on-line.

VIII. COURSE PRACTICES REQUIRED:

- Completion of drawings and reports.
- Passing examinations and quizzes.
- Completion of final project.

IX. INSTRUCTIONAL MATERIALS:

Emergency Response Planning
Author: Paul A. Erickson
Publisher: Academic Press; 1st edition (January 15, 1999)
ISBN-10: 012241540X
ISBN-13: 978-0122415401
Disaster Response & Recovery
Publisher: Wiley; 1 edition (August 18, 2006)
ISBN-10: 0471789747
ISBN-13: 978-0471789741

Emergency Management Technology
Paperback: 312 pages
Publisher: Wiley; 1 edition (October 20, 2006)
Language: English
ISBN-10: 0471789739
ISBN-13: 978-0471789734

Introduction to Emergency Management
Hardcover: 496 pages
Publisher: Butterworth-Heinemann; 3 edition (October 19, 2007)
Language: English
ISBN-10: 075068514X
ISBN-13: 978-0750685146

FireHouse Software
AutoDesk Software

X. METHODS OF EVALUATING STUDENT PROGRESS:

Drawings and reports will be graded according to conventions provided on assignment sheets, notes and handouts.

60% Drawing Labs
25% Final Report
15% Homework assignments

100% Grade Total

Grading Scale
A 90%
B 80%
C 70%
D 60%
F Below 60%

XI. OTHER COURSE INFORMATION:

If you have a documented learning, psychological, or physical disability you may be entitled to reasonable academic accommodations or services. To request accommodations or services, contact the ASSIST office in the Learning Center. All students are expected to fulfill essential course requirements. The College will not waive any essential skill or requirement of a course or degree program.