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SAULT COLLEGE OF APPLIED ARTS AND TECHNOLOGY

SAULT STE. MARIE, ON

COURSE OUTLINE

COURSE TITLE: FIRE SAFETY

CODE NO.: LAS322

SEMESTER: TWO

PROGRAM: LAW AND SECURITY ADMINISTRATION

AUTHOR: TED LEINDECKER

A DATE: JANUARY, 1992

PREVIOUS OUTLINE DATED: XXX

APPROVED



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LAS322 - Fire Safety
T. Leindecker

1. COURSE OBJECTIVE

The goal of this course is to teach the student the terminology, principles, theory and applications of fire safety; specifically the students will study the following:

- a. causes of fire
- b. classes of fire and combustibles
- c. systems and equipment
- d. training and control; and
- e. protection planning

2. TOPICS TO BE COVERED

1. Causes of fire, fire triangle and tetrahedron fire equation, combustible fuels, oxygen, heat, chemical chain reactions.
2. Combustibility of buildings, construction classifications, testing, flame spread ratings, loads.
3. Combustibility of buildings continued. Fire safety components; fire walls, partitions, ceilings, etc.
4. Classes of extinguishers, types and classes A, B, C, D, Ratings, extinguishing agents, use.
5. Extinguishers continued; selection, placement, inspection and maintenance.
6. Standpipe systems, classes I, II and III, water supplies, types, special cases, FDC's hydrants.
7. Mid-term exam
8. Sprinkler systems, system layout, sprinkler heads and ratings, control and operating valves, water supplies, OS & Y's
9. Sprinkler systems, types, special cases
10. Alarm systems, detectors, control panels, alarms
11. Fire control, WHMIS, MSDS, NFPA7 04, Alarm Awareness.

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12. Fire control continued, WHMIS, MSDS, NFPA704, Alarm Awareness
 13. Training, fire control, evacuation, alarm conditions, attitude, safety, Parts I and II
 14. Fire Protection Planning Parts III, IV, V, and VI
 15. Final Exam

3. EVALUATION METHOD

One Two-Hour Exam - 100 points
Five Quizzes @ 20 points each - 100 points
One Final Exam - 100 points

4. COLLEGE GRADING SYSTEM

270 + points	A+ (90 - 100)
240 - 269 points	A (80 - 89)
210 - 239 points	B (70 - 79)
180 - 219 points	C (60 - 69)
below 180 points	R (Repeat)

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5. SPECIAL NOTE

Students with special needs (eg. physical limitations, visual impairments, hearing impairments, learning disabilities) are encouraged to discuss required accommodations confidentially with the instructor.

Your instructor reserves the right to modify the course as he/she deems necessary to meet the needs of students.