CREDIT HOURS: 5.00

CONTACT HOURS: 75.00

COURSE DESCRIPTION:
This course is designed to provide the student with the additional knowledge necessary for entry level positions on fire departments. This course builds on the knowledge acquired in FPT 110. Topics include vehicle extrication and hazardous materials operations. Students who complete all the requirements will be eligible to take the State of Michigan Fire Fighter Training Council (MFFTC) Fire Fighter II written and practical examinations leading to certification as a Fire Fighter II.

PREREQUISITES: State of Michigan Fire Fighter I Certification
COREQUISITE: FPT 125

EXPECTED COMPETENCIES:
Upon successful completion of this course, the student will:
- List questions that the first person arriving at an emergency should answer.
- List the priorities of an Incident Action Plan.
- Select facts about the transfer of command.
- List information that should be included in a situation status report.
- List aspects of response resources that should be tracked.
- State the purpose of incident termination.
- Complete statements about the effects of fire and suppression activities on selected building materials.
- List signs of structural instability and potential building collapse.
- Describe ways in which suppression activities may create dangerous building conditions.
- List actions to take when imminent building collapse is suspected.
- Match facts about power plants to the equipment to which they apply.
- List the two types of lighting commonly used to support emergency operations.
- Complete statements regarding the care and use of auxiliary electrical equipment.
- Describe guidelines for maintaining power plants and lighting equipment.
- Identify rescue and extrication tools and equipment.
- Match hydraulic extrication and rescue tools to their purposes.
- List hydraulic tool safety guidelines.
- Match manual jacks and cribbing to their purposes.
- List jacking and cribbing safety guidelines.
- Match pneumatic rescue and extrication tools to their purposes.
- List pneumatic tool safety guidelines.
- List winch safety guidelines.
- Complete air lifting bag safety guidelines.
- Label the parts of a block and tackle.
• List block and tackle safety guidelines.
• List considerations to be made when sizing up a vehicle accident.
• List concerns of rescuers who assess the situation at automobile accidents.
• State the primary goal of vehicle stabilization.
• List methods of gaining access to victims in vehicles.
• List complications of extrication efforts as a result of passenger restraint and protection systems.
• Select facts about disentanglement and patient management.
• State the purpose of packaging.
• Distinguish between laminated glass and tempered glass.
• Select the correct method for removing vehicle glass.
• Match vehicle roof posts to their letter designations.
• Match types of building collapse to their descriptions.
• List the two types of hazards associated with structural collapse rescue operations.
• Distinguish between shoring and tunneling.
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• Match types of building collapse to their descriptions.
• List the two types of hazards associated with structural collapse rescue operations.
• Match types of alarm-initiating devices to their descriptions.
• Select facts about heat detectors.
• Select facts about smoke detectors.
• Complete statements about flame detectors.
• Complete statements about fire-gas detectors.
• State the reason for having a variety of alarm-indicating devices.
• Match types of automatic alarm systems to their descriptions.
• Select facts about supervising fire alarm systems.
• List auxiliary services provided by fire detection and alarm systems.
• Complete statements about water flow alarms.
• Match sprinkler system applications to their descriptions.
• Identify components of fire suppression systems.
• List responsibilities of a fire investigator.
• Select facts about conduct and statements at the scene.
• Select facts about securing the scene and legal considerations.
• Select facts about protecting and preserving evidence.
• Select facts about making calls for additional response.
• List information that should be included in incident reports.
• Provide examples of personal traits and skills required of personnel who conduct fire safety surveys.
• Provide examples of the type of equipment required to conduct fire safety surveys.
• List goals of pre-incident surveys.
• Provide examples of the types of information that a pre-incident survey can provide.
• Match standard map symbols to their correct meanings.
• List objectives of the exit interview during a pre-incident survey.

ASSESSMENT METHODS:
Student performance may be assessed by examination, quizzes, case studies, oral conversation, group discussion, oral presentations. The instructor reserves the option to employ one or more of these assessment methods during the course.

GRADING SCALE:
90%-100% = A
80%-89.9% = B
70%-79.9% = C
60%-69.9% = D
<60% = E