

Program of Instruction

Course Syllabus

Course Title: Fires on the Farm

Course Duration: 4-8 hours

Program: Agricultural, Cornerstone

Course Prerequisites: None

Course Description: This class provides an overview of farm fires and brings strategies, tactics, operations and water supply logistics together. Today, rural fire departments can extinguish most farm fires. Emphasizing pre-planning, thinking "beyond your own back yard" and encouraging joint training and practice rural fires can have successful outcomes. The class covers response capabilities, strengths and weakness of the department as well as considerations for farm fires in buildings, areas involving common farm chemicals, machinery, fields and/or crops.

Course Requirements and/or Recommendations: These can be divided into three categories: those completed prior to arriving in class (Pre-Course Work), those completed during class, such as homework assignments and quizzes (Course Work), and requirements completed after class but prior to receiving a certificate of completion. (Post-Course Work)

Summary of Directions

Pre-Course Work: None

Course Work: Participate in lecture and discussion

Post-Course Work: None

Course Policies:

Safety Policy: Students shall understand and follow all instructions pertaining to operational safety, as stated by instructors or as written in course materials. Instructors and students shall be mindful of safety at all times. Conduct judged to be unsafe shall be grounds for dismissal from the course.

Academic Integrity Policy: IFSI has the responsibility for maintaining academic integrity so as to protect the quality of the education provided through its courses, and to protect those who depend upon our integrity. It is the responsibility of the student to refrain from infractions of academic integrity, from conduct that may lead to suspicion of such infractions, and from conduct that aids others in such infractions. Any violation of the code of conduct is grounds for immediate dismissal from the course.

American Disabilities Act: As guaranteed in the Vocational Rehabilitation Act and in the American Disabilities Act, if any student needs special accommodations they are to notify their instructor and provide documentation as soon as possible so arrangements can be made to provide for the student's needs.

Course Content:

Module: 1

Title: Pre-Planning

Terminal Learning Objectives:

At the conclusion of this module, the student will identify pre-planning considerations for response to incidents on farms.

Module: 2

Title: Fuel Hazards

Terminal Learning Objectives:

At the conclusion of this module, the student will recognize common fuel hazards when responding to fires on the farm.

Module: 3

Title: Structure Fires

Terminal Learning Objectives:

At the conclusion of this module, the student will recognize basic priorities in farm structure fires.

Module: 4

Title: Grain Bins/Silos

Terminal Learning Objectives:

At the conclusion of this module, the student will identify considerations for response to grain bin/silo incidents.

Module: 5

Title: Agricultural Chemicals

Terminal Learning Objectives:

At the conclusion of this module, the student will identify agricultural chemical considerations.

Module: 6

Title: Tractor/Machine Fires

Terminal Learning Objectives:

At the conclusion of this module, the student will recognize different farm implements

Module: 7

Title: Field/Crop Fires

Terminal Learning Objectives:

At the conclusion of this module, the student will identify considerations for field and crop fires.

Reference List:

Essentials of Firefighting 5th Ed., IFSTA, 2008

Extinguishing Fires in Silos and Hay Mows, MWPS Iowa State University, 2000

Fire Fighting Principles & Practices 1st Ed, William Clark, 1974

Fire Officers Handbook of Tactics 4th Ed., John Norman, 2012

Hay and Silage Fires, Northeast Regional Agricultural Engineering Service, 1980

Farm Accident Rescue, Northeast Regional Agricultural Engineering Service,
1980

Illinois Farm Fire Statistics through 2012, Retrieved from

<http://web.extension.illinois.edu/agsafety/factsheets/index.cfm>

Course Schedule

<u>Event</u>	<u>Duration</u>
Module 1 – Pre-Planning	1 hour
Module 2 – Fuel Hazards	1 hour
Fuel Hazard Case Study	40 minutes
Module 3 – Structure Fires	2 hours 30 minutes
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Module 4 – Grain Bins/Silos	1 hour 30 minutes
Module 5 – Ag Chemical	20 minutes
Module 6 – Tractor/Machine Fires	40 minutes
Module 7 – Field/Crop Fires	20 minutes
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