COURSE DESCRIPTIONS BY COURSE DISCIPLINE PREFIX

BUILDING CONSTRUCTION

FIP-132 Building Construction 3 (3-0) Spring
Prerequisites:
Corequisites:
This course covers the principles and practices reference in NFPA standard 220 related to various types of building construction,including residential and commercial, as impacted by fire conditions. Topics include types of construction and related elements, fire resistive aspects of construction materials, building codes, collapse, and other related topics. Upon completion, students should be able to understand and recognize various types of construction and their positive or negative aspects as related to fire conditions. (2014 FA)

CHEM OF HAZARDOUS MAT I

FIP-230 Chem of Hazardous Mat I 5 (5-0) Fall
Prerequisites:
Corequisites:
This course covers the evaluation of hazardous materials referenced in NFPA standard 1072. Topics include use of the periodic table, hydrocarbon derivatives, placards and labels, parameters of combustion, and spill and leak mitigation. Upon completion, students should be able to demonstrate knowledge of the chemical behavior of hazardous materials. (2014 FA)

DETECTION & INVESTIGATION

FIP-128 Detection & Investigation 3 (3-0) Fall
Prerequisites:
Corequisites:
This course covers procedures for determining the origin and cause of accidental and incendiary fires referenced in NFPA standard 921. Topics include collection and preservation of evidence, detection and determination of accelerants, courtroom procedure and testimony, and documentation of the fire scene. Upon completion, students should be able to conduct a competent fire investigation and present those findings to appropriate officials or equivalent.(2014 FA)

FIRE FIGHTING STRATEGIES

FIP-220 Fire Fighting Strategies 3 (3-0) Spring
Prerequisites:
Corequisites:
This course provides preparation for command of initial incident operations involving emergencies within both the public and private sector referenced in NFPA standards 1561, 1710, and 1720. Topics include incident management, fire-ground tactics and strategies, incident safety, and command/control of emergency operations. Upon completion, students should be able to describe the initial incident system as it relates to operations involving various emergencies in fire and non-fire situations. (2014 FA)

FIRE INSTRUCTOR I & II

FIP-224 Fire Instructor I & II 4 (4-0) Fall
Prerequisites:
Corequisites:
This course covers the knowledge, skills, and abilities needed to train others in fire service operations. Topics include planning, presenting, and evaluating lesson plans, learning styles, use of media, communication, and other related topics. Upon completion, students should be able to meet the requirements of the Fire Instructor I and II objectives from National Fire Protection Association (NFPA) 1041. (2014 FA)

FIRE PREVENTION & PUBLIC ED

FIP-124 Fire Prevention & Public Ed 3 (3-0) Fall
Prerequisites:
Corequisites:
This course introduces fire prevention concepts as they relate to community and industrial operations referenced in NFPA standard 101. Topics include the development and maintenance of fire prevention programs, educational programs, and inspection programs. Upon completion, students should be able to research, develop, and present a fire safety program to a citizens or industrial group. (2014 FA)

FIRE PROTECTION LAW

FIP-152 Fire Protection Law 3 (3-0) Spring
Prerequisites:
Corequisites:
This course covers fire protection law as referenced in NFPA standard 1. Topics include legal terms, contracts, liability, review of case histories, and other related topics. Upon completion, students should be able to discuss laws, codes, and ordinances as they relate to fire protection. (2014 FA)

FIRE SERVICE SUPERVISION

FIP-240 Fire Service Supervision 3 (3-0) Spring
Prerequisites:
Corequisites:
This course covers supervisory skills and practices in the fire protection field. Topics include the supervisor's job, supervision skills, the changing work environment, managing change, organizing for results, discipline and grievances, and safety. Upon completion, students should be able to demonstrate an understanding of the roles and responsibilities of effective fire service supervision, meeting elements of NFPA 1021. (2014 FA)

HYDRAULICS & WATER DIST

FIP-232 Hydraulics & Water Dist 3 (2-2) Fall
Prerequisites:
Corequisites:
This course covers the flow of fluids through fire hoses, nozzles, appliances, pumps, standpipes, water mains, and other devices reference in NFPA standard 25. Emphasis is placed on supply and delivery systems, fire flow testing, hydraulic calculations, and other related topics. Upon completion, students should be able to perform hydraulic calculations, conduct water availability tests, and demonstrate knowledge of water distribution systems. (2014 FA)

INSPECTIONS & CODES

FIP-136 Inspections & Codes 3 (3-0) Fall
Prerequisites:
Corequisites:
This course covers the fundamentals of fire and building codes and procedures to conduct an inspection referenced in NFPA standard 1730. Topics include review of fire and building codes, writing inspection reports, identifying hazards, plan reviews, site sketches, and other related topics. Upon completion, students should be able to conduct a fire code compliance inspection and produce a written report. (2014 FA)

INTRO TO FIRE PROTECTION

FIP-120 Intro to Fire Protection 3 (3-0) Fall
Prerequisites:
Corequisites:
This course provides an overview of the development, methods, systems and regulations that apply to the fire protection field. Topics include history, evolution, statistics, suppression, organizations, careers, curriculum, and related subjects. Upon completion, students should be able to demonstrate a broad understanding of the fire protection field. (2014 FA)

LOCAL GOVT FINANCE

FIP-228 Local Govt Finance 3 (3-0) Spring
Prerequisites:
Corequisites:
This course introduces local governmental financial principles and practices. Topics include budget preparation and justification, revenue policies, statutory requirements, audits, and the economic climate. Upon completion, students should be able to comprehend the importance of finance as it applies to the operations of a department. (2014 FA)

MANAGING FIRE SERVICES

FIP-276 Managing Fire Services 3 (3-0) Spring
Prerequisites:
Corequisites:
This course provides an overview of fire department operative services referenced in NFPA standard 1021. Topics include finance, staffing, equipment, code enforcement,management information, specialized services, legal issues, planning, and other related topics. Upon completion, students should be able to understand concepts and apply fire department management and operations principles. (2014 FA)

MUNIC PUBLIC RELATIONS

FIP-256 Munic Public Relations 3 (3-0) Spring
Prerequisites:
Corequisites:
This course is a general survey of municipal public relations and their effect on the governmental process referenced in NFPA standard 1035. Topics include principles of public relations, press releases, press conferences, public information officers, image surveys, and the effects of perceived service on fire protection delivery. Upon completion, students should be able to manage public relations functions of organizations which meet elements of NFPA 1021 for Fire Officer I and II. (2014 FA)