



University of Missouri-Extension
Fire and Rescue Training Institute



MU FRTI ANNUAL REPORT 2006

MISSION

MU EXTENSION'S FIRE AND RESCUE TRAINING INSTITUTE ENABLES FIREFIGHTERS AND ALLIED EMERGENCY SERVICES PERSONNEL TO BETTER PROTECT PEOPLE AND PROPERTY WITHIN THEIR COMMUNITIES BY **PLANNING, DIRECTING AND, ADMINISTERING STATE-OF-THE-ART CONTINUING PROFESSIONAL EDUCATION COURSES** IN STRUCTURAL, WILDLAND, AND AIRCRAFT FIREFIGHTING, EMERGENCY MEDICAL CARE, TECHNICAL RESCUE, INDUSTRIAL SAFETY, ENVIRONMENTAL EMERGENCY MITIGATION, INSTRUCTOR AND COMPANY OFFICER DEVELOPMENT, COUNTER-TERRORISM AND EMERGENCY MANAGEMENT PLANNING, AND EXERCISE EVALUATION STATEWIDE **USING THE MOST EFFICIENT AND EFFECTIVE MEANS POSSIBLE.**



FROM THE DIRECTOR



On behalf of our dedicated faculty and staff, I am pleased to present to you the 2005–2006 Annual Report of the Fire and Rescue Training Institute at the University of Missouri-Columbia. As you read this year's report, please note the diversity of programming offered by the Institute and the accomplishments of our various program areas.

This past year was our most ambitious training year ever, and it paid off with record enrollment numbers. These high enrollments are due, in part, to the diversity of training and the complexity of the training programs offered this year. Two programs, in particular, that factored in to these record enrollments were the Urban Area Security Initiative (UASI) training in Kansas City and St. Louis and the NIMS training. For the latter training, which all organizations must receive before September 30, 2006, we received requests from several agencies outside the fire service, including Emergency Management, the Department of Health, the Department of Agriculture, and public officials. Our high enrollment numbers are also due to the quality of the training we provide. In my opinion, the quality of our programming is a direct reflection of the dedicated members of MU FRTI who work hard to bring these programs to you and others across Missouri and the nation. Ultimately, it is to them that all the success of these programs should be attributed.

In addition to having seven of our courses endorsed by the National Fire Academy, this year nine courses from our technical rescue and ICS curriculum as well as our Hazardous Materials Incident Response: Technician and Work Practice Refresher courses received approval from Grants and Training (formerly known as the Office of Domestic Preparedness). This makes MU FRTI one of only a few state fire-training programs in the country with approved courses from Grants and Training. This approval allows us to use Homeland Security money to subsidize the cost of these courses and to offer these courses to you at no cost.

In FY05, we started the Exercise and Evaluation Program. This program is designed to assist local and state governments, volunteer organizations, and businesses develop exercise programs and simulations that test emergency plans and procedures. The activities of this new program grew impressively this year, and we expect them to continue to grow more in FY07 as more organizations realize that complying with NIMS includes an evaluation component.

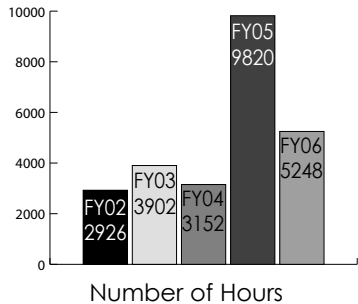
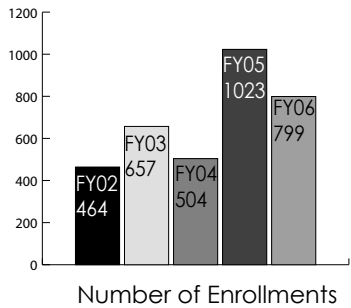
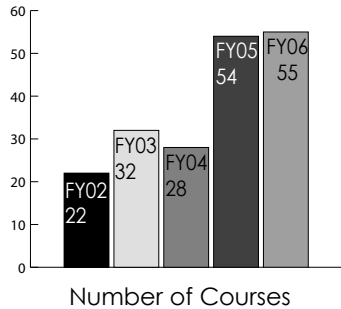
Finally, this year we hosted the 25th Winter Fire School, the flagship program of the Institute. As part of our celebration activities, we brought in former MU FRTI directors, some instructors from the very first Winter Fire School, and the original planning committee. The Winter Fire School has become one of the nation's leading fire schools, in part, because of the vision and contributions of these individuals.

Missouri's fire service continues to be a strong supporter of the Institute. We appreciate your confidence in our ability to deliver quality, professional continuing education programs. While the Institute's most important resource is its people, you—our customers—are our most important priority. We will continue to work hard for your confidence in the coming year.

Gary Wilson
Director

AIRCRAFT RESCUE FIREFIGHTING

Mark Lee, Specialist



This was the fourth year we conducted training for FAA-certificated airports in the north central region. The Mobile Aircraft Firefighting Trainer (MAFT) was used at the following new sites this year: Watertown and Pierre, South Dakota; Cedar Rapids, Iowa; Mattoon, Illinois; and George Bush Intercontinental Airport in Houston, Texas.

OTHER ACCOMPLISHMENTS DURING FY06

- Completed the curriculum for the 40-hour Aircraft Rescue Fire Fighting course
- Revised the Aircraft Rescue Fire Fighting Techniques for Structural Firefighters course

Courses.....	55
Enrollment.....	799
Instructional Hrs.....	5,248

CUSTOMERS IN FY06

(Cooperative partner)*

- Callaway Nuclear Plant (Ameren UE)
- Coles County Airport Authority, IL
- Columbia Regional Airport
- Eastern Iowa Airport (Iowa Fire Training Bureau)*
- George Bush Intercontinental Airport (Texas Engineering Extension Service and Emergency Services Training Institute)*
- Kansas City Downtown Airport
- Kansas City International Airport
- Lambert International Airport
- Pierre Regional Airport, SD (South Dakota Department of Public Safety)*
- Salina Airport Authority, KS (Kansas Fire and Rescue Training Institute)*
- Springfield-Branson Regional Airport
- Watertown Fire Department Airport, SD (South Dakota Department of Public Safety)*



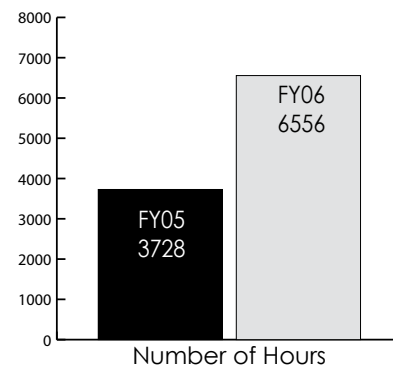
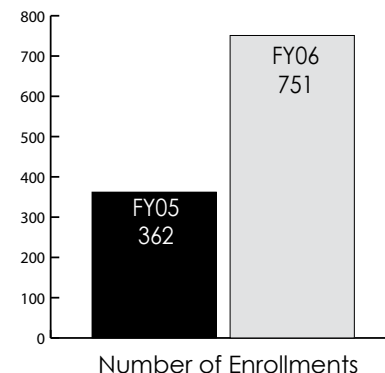
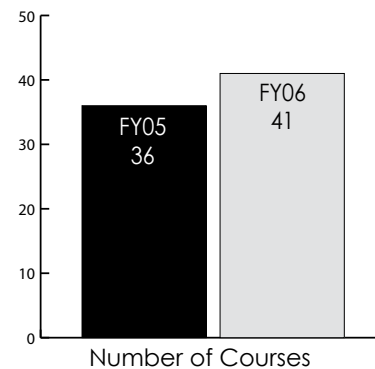
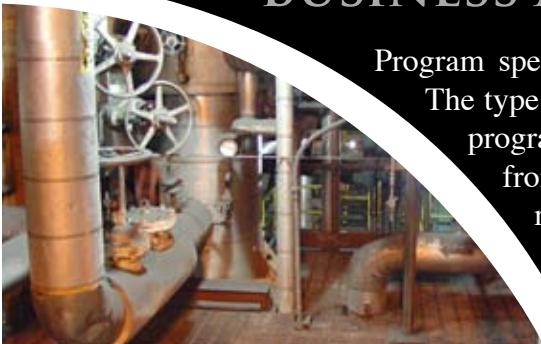
BUSINESS AND INDUSTRIAL SAFETY

Program specialists managed the Business and Industrial Safety Program this year. The type of training delivered was used to determine which specialist oversaw the program. Even without full-time management, training hours increased by 75% from last year. The program will continue to offer fire brigade, HazWoper, and rescue programs in FY07.

Courses41
 Enrollments751
 Instructional Hrs.....6,556

CUSTOMERS IN FY06

- Internet
- Johnson Controls
- MEMC Electronics Materials, Inc.
- Merial
- Noranda Aluminum, Inc.
- Nordenia USA



EMERGENCY MANAGEMENT

Eric Evans, Specialist

The Emergency Management Program continues to be a viable program for both MU FRTI and Community Development within Cooperative Extension. This year, we actively delivered NIMS training to various health and emergency management agencies. We also assisted with recovery from the tornadoes that occurred in northwest Missouri, receiving recognition from SEMA for our efforts. We continued to be an active participant of the Extension Disaster and Education Network by taking a lead role in the development of the Plant Biosecurity course.

OTHER ACCOMPLISHMENTS DURING FY06

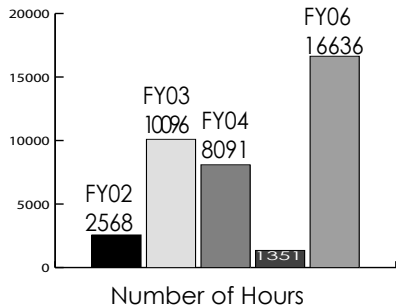
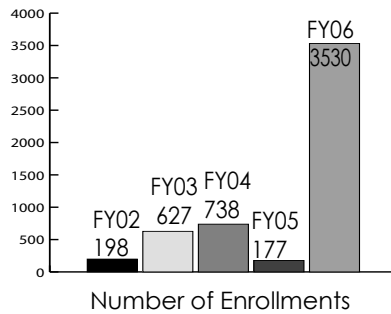
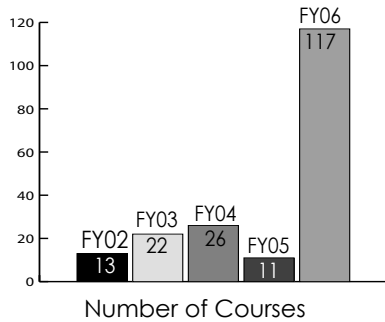
- Adapted the Introduction to Emergency Management for Fire Service course for online delivery
- Developed a CERT Training Management workshop for the State of Missouri

Courses..... 117
 Enrollments..... 3,530
 Instructional Hrs..... 16,636
 (Numbers include NIMS-related training)

CUSTOMERS IN FY06

- Camden County LEPC
- Cape Girardeau County EMA
- Clay County Emergency Management
- City of New Florence
- Clarence Emergency Management
- Cole County Emergency Management
- Columbia/Boone County Emergency Management
- Federal Executive Board of Chicago
- Jefferson County LEPC
- Missouri Department of Administration
- Missouri Department of Agriculture
- Missouri Department of Corrections, Moberly
- Missouri Department of Natural Resources
- Missouri Department of Social Services
- Missouri Funeral Directors Association
- Platte County Sheriff's Department

- Randolph County Health
- Scott County EMA
- St. John's Hospital
- Sullivan County Sheriff's Department
- State Emergency Management Agency



HAZARDOUS MATERIALS AND COUNTER-TERRORISM PROGRAM

Robb Pilkington, Specialist

This year, the Hazardous Materials and Counter-Terrorism Program continued to train first responders who may be asked to respond to intentional or unintentional releases of hazardous chemicals. Courses also were taught at the U.S. Army Chemical School, CBIFF, and at several National Guard units around the country.



OTHER ACCOMPLISHMENTS DURING FY06

- Conducted terrorism tabletop exercise for the MU Police Department
- Assisted with a radiological emergency tabletop exercise for Cass County
- Received approval from Grants and Training for the Hazardous Materials Incident Response: Technician and Work Practice refresher courses
- Developed and delivered, in cooperation with Missouri Hospital Association, a Hospital Operations Based PPE, Respiratory, and Decontamination course
- Increased instructional hours by 19.5% from last year

Courses..... 162
 Enrollments 5,887
 Instructional Hrs70,046

CUSTOMERS IN FY06

(other than Missouri fire departments)

- 3rd Chemical Brigade
- Audrain Medical Center
- Bothwell Regional Health Center
- Cameron Regional Medical Center
- Capital Region Medical Center
- Cole County LEPC
- Hannibal Regional Hospital
- Heartland Paramedics Ambulance Service
- Hedrick Medical Center
- Mid-America Regional Council

- Ripley Co. Memorial Hospital
- Shelby County LEPC
- Skaggs Community Health Ctr.
- St. Francis Hospital
- SEMA
- U.S. Army Chemical School

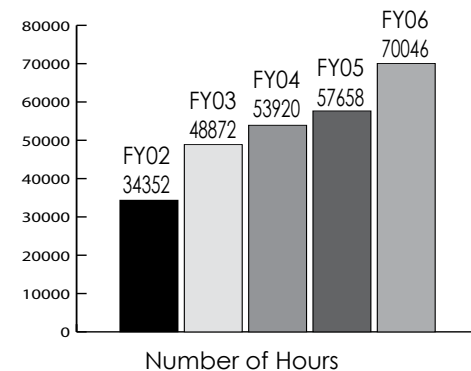
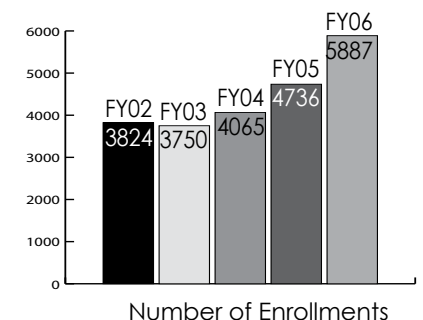
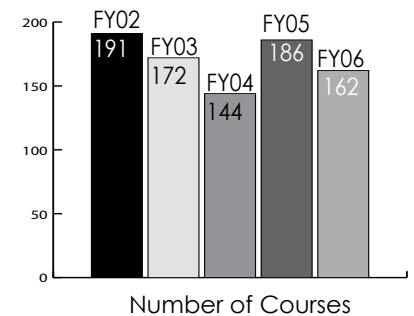
Missouri National Guard-CERF Training, 7th CST

Missouri Southern Health Care

Monroe County LEPC

Nevada Regional Medical Ctr.

Pantheon Inc.



MU EXERCISE AND EVALUATION PROGRAM (MU EEP)

Conne Burnham, Specialist

The MU Exercise and Evaluation Program's activities and momentum grew during its second year of operation as more organizations across the state took advantage of this new service. We had increases in the number of contacts and participants in both small and large communities throughout Missouri this past year.

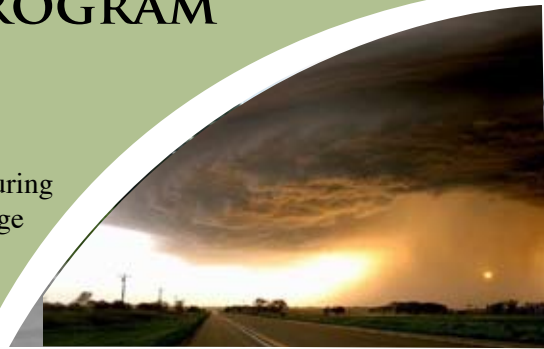
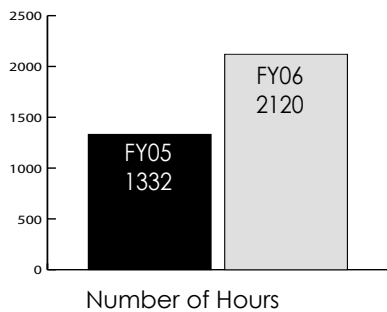
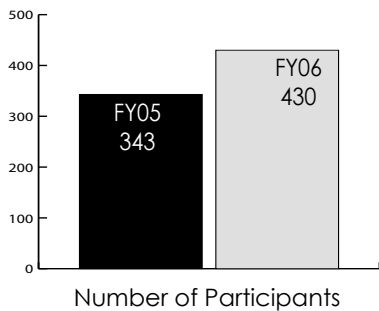
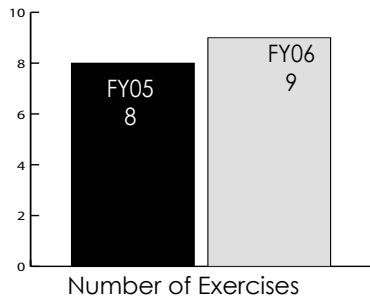
OTHER ACCOMPLISHMENTS DURING FY06

- Developed a tabletop exercise for Missouri Police/Fire Chiefs Conference in Eureka
- Evaluated an exercise for the Missouri State Public Health Lab
- Assisted in the delivery of NIMS training for emergency management agencies
- Developed a tabletop exercise for MU's administrative staff

Exercises 9
 Participants..... 430
 Instructional Hrs..... 2,120

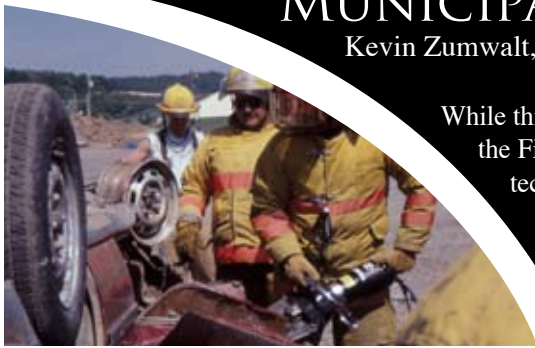
CUSTOMERS IN FY06

- Cape Girardeau Fire Department
- Cass County Emergency Management
- Clay County Emergency Management
- Cole County Health Department
- Missouri Department of Agriculture
- Missouri Police Chiefs Association
- North Kansas City Fire Department
- Peabody Energy
- Polk County Emergency Management
- University of Missouri-Columbia



MUNICIPAL FIRE PROGRAMS/CONFERENCES

Kevin Zumwalt, Specialist



While this year was good for fire training contract funds from both the Division of Fire Safety and the Fire Education Commission, it was overshadowed by the amount of funding for NIMS and technical rescue training contracts received from the State Emergency Management Agency and the Urban Area Security Initiative (UASI) sites in Missouri. In addition, we received a grant to purchase rescue equipment, which we will use to support the UASI training in Kansas City and St. Louis. Addressing these two major training initiatives this year was one of the most ambitious training schedules ever attempted by MU FRTI.



This year we also celebrated the 25th Winter Fire School. Over the past twenty-five years, the Winter Fire School has brought in hundreds of state and national speakers to educate Missouri's fire service on timely topics and on issues facing emergency responders. This year alone, we had over 40 courses on topics that ranged from lessons learned from Hurricane Katrina to surviving the routine structure fire. The school continues to receive national and regional recognition for its programming.

We also hosted the Big Rivers Forest Fire Management Compact for the Midwest Wildfire Training Academy, the Summer Fire School, the Train-the-Trainer Weekend, the Instructors Conference, and the Missouri Homeland Security Conference.

OTHER ACCOMPLISHMENTS DURING FY06

- Coordinated the fourth annual Fire Service Leadership Enhancement Program in cooperation with MU's Harry S Truman School of Public Policy
- Sponsored the National Fire Academy regional delivery of Advanced Safety Operations and Management with the St. Louis County Fire Academy
- Provided thirty-three train-the-trainer programs for 617 state-certified instructors
- Increased course deliveries by 24% from last year

AGENCIES PROVIDING CONTRACTS AND GRANTS IN FY06

Missouri Division of Fire Safety

Missouri Fire Education Commission

Missouri State Emergency Management Agency

Missouri Propane Education and Research Council

Missouri Highway Safety Commission

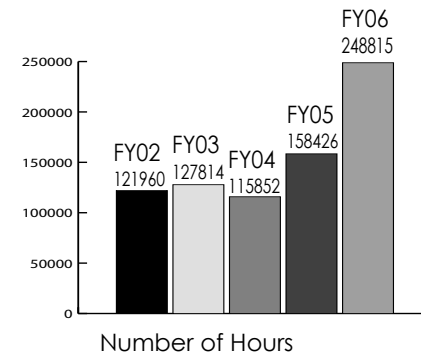
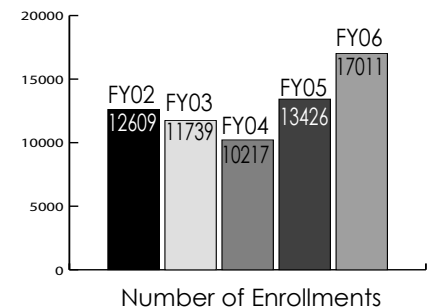
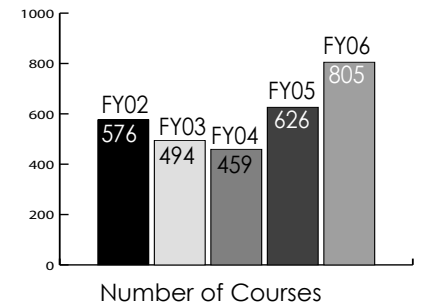
STARRS/East-West Gateway

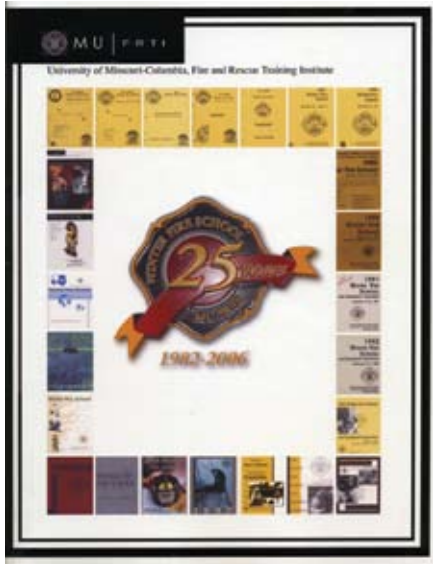
U.S. Fire Administration, National Fire Academy

Courses.....805

Enrollments.....17,011

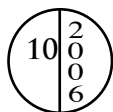
Instructional Hrs.....248,815





Speakers at the Winter Fire School Banquet included (clockwise) MU FRTI Director Gary Wilson, Missouri Department of Public Safety Director Mark James, University of Missouri-Columbia Provost Dr. Brian Foster and Missouri Ninth District Congressman Kenny Hulshof.

25TH ANNIVERSARY WINTER FIRE SCHOOL
 COLUMBIA, MISSOURI
 February 3-5, 2006





Twenty five years of MU FRTI directorship (left to right) Bill Westhoff, Paul Adams, Bruce Piring and Gary Wilson.



MU FRTI Director Gary Wilson is presented with mementos from Mike Stroinski and Klaus Kappert from the Feuerwehr Moers, Germany Fire Department.



Planning members and instructors of the first Winter Fire School (left to right) John Sachse, Bill Markgraf, Bill Westhoff, Gene Carlson, Dave House and Ron Paubel.



MU FRTI Specialist Kevin Zumwalt is presented with a special gift from the 25th Winter Fire School Command Team.



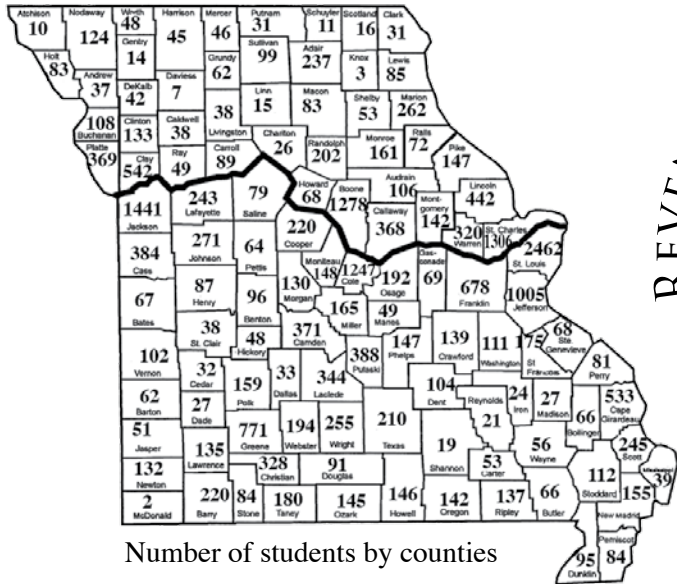
Posting of the colors was performed by the Columbia Fire Department Honor Guard and the Boone County Fire Protection District Bagpipe Corps.



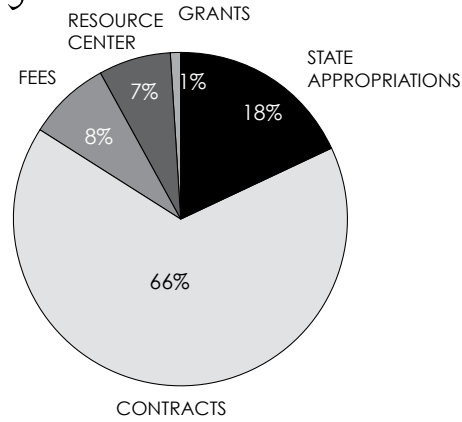
Johnny I and the Receders rocked the Winter Fire School Dance with a variety of classic rock, country and rhythm and blues.

FY06 PROGRAM DATA

In FY06, we had 1,189 courses, 28,408 enrollments, 349,421 instructional hours (at \$6.76 per instructional hour), and 1,165 SFTE. Students from all 114 Missouri counties and from 42 states enrolled in MU FRTI courses. We also delivered training programs in 94 Missouri counties.

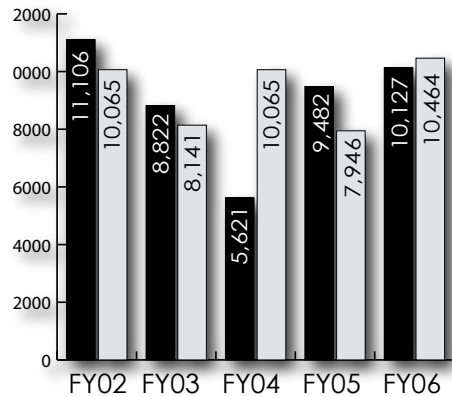
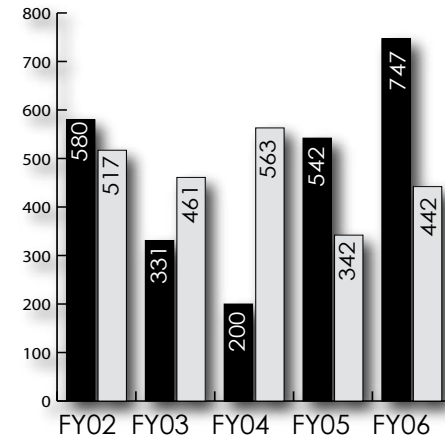


REVENUE SOURCES



	Course	Instructor	Classroom	Outside Activities	Visual Materials	Printed materials	Overall
FY02	2.8	3.1	3.0	2.7	2.9	2.9	2.9
FY03	2.9	3.1	2.8	2.8	2.9	2.9	2.9
FY04	2.9	3.2	2.8	2.9	3.0	3.0	3.0
FY05	3.0	3.2	2.9	2.9	3.0	3.0	3.0
FY06	2.8	3.0	2.8	2.6	2.9	2.9	2.8

Customer Satisfaction Ratings



Volunteer
 Career
 All students did not record status

INSTITUTE
 Courses
 Enrollments
 Instructional Hours
 Cost Per Hour
 SFTE

	FY02	FY03	FY04	FY05	FY06
Courses	1,097	792	709	885	1,189
Enrollments	21,171	17,776	16,176	20,059	28,408
Instructional Hours	221,569	205,482	188,110	233,042	349,421
Cost Per Hour	\$8.92	\$5.93	\$9.20	\$7.90	\$6.76
SFTE	739	685	627	777	1,165

GRANTS AND TRAINING (FORMERLY ODP) REVIEW

Grants and Training evaluated nine MU FRTI courses for approval to use Homeland Security funds in the delivery of these courses. This evaluation was an important step toward enabling MU FRTI to assist Kansas City and St. Louis in their Urban Area Security Initiative training. It also is important for the NIMS training, since MU FRTI NIMS: Advanced ICS and NIMS: Command and General Staff programs have been recognized by SEMA as level 300 and 400 equivalent courses for NIMS compliance. The following programs were approved:

- Introduction to Technical Rescue
- Rope Rescue: Technician
- Confined Space: Technician
- Trench Rescue: Technician
- NIMS: Advanced ICS
- NIMS: Command and General Staff
- Hazardous Materials Incident Response: Technician and Work Practice Refreshers for Decon and Detection

THE VIRTUAL CLASSROOM

In cooperation with the Center for Distance and Independent Study, MU FRTI added three additional online courses this year: Introduction to Emergency Management for the Fire Service, Principles of Building Construction: Combustible, and Principles of Building Construction: Noncombustible.



FIRST GRADUATE OF FIRE SERVICE ADMINISTRATION DEGREE IS MU FRTI EMPLOYEE

This past December, Kyle Smith, Logistics Coordinator for MU FRTI, became the first person to graduate with an associate's degree in Fire Service Administration from Columbia College. Smith, who is also a lieutenant with the Boone County Fire Protection District, took several online courses and traveled throughout the state to earn his eighteen MU FRTI credit hours for the degree. Taking advantage of these two delivery mechanisms enabled Smith to complete the degree within two years.



KYLE SMITH

MU FRTI COURSE RECEIVES AWARD

This year's University Continuing Education Association (UCEA) Mid-America Region Award for creative noncredit program excellence went to two of MU FRTI online programs: Hazardous Materials Incident Response: Awareness and Hazardous Materials Incident Response: Operations. The Mid-America Region Award recognizes creative and innovative programs in the field. These programs were developed by MU FRTI in cooperation with the Center for Distance and Independent Study.



Did you know?

- On average 23 courses started each week
- 183 firefighters have enrolled in the Company Officer noncredit Certificate Program since 2003.
- MU FRTI increased courses delivered in FY06 by 34%
- A total of 2,480 students completed online programs in FY 06.

COMPANY OFFICER CERTIFICATE PROGRAM:

Seventeen individuals completed the noncredit Company Officer Certificate Program this year. This program requires 328-contact hours of instruction in different areas pertinent to a company officer. This year's graduates were:

- Matthew A. Chapman
O'Fallon Fire Protection District
- James A. Doyle III
North Kansas City Fire Department
- Jason E. Ekis
Southern Platte Fire Protection District
- Irwin O. Fischer IV
Cedar Hill Fire Protection District
- Robert A. Jaycox
High Ridge Fire Protection District
- David M. Johnson
Southern Platte Fire Protection District
- David A. Marlo
Wentzville Fire Protection District
- Corey S. McCammon
Southern Platte Fire Protection District
- Patrick J. McDermott
Metro West Fire Protection District
- Jonathon L. Messick
Southern Platte Fire Protection District
- John A. Meyer
O'Fallon Fire Protection District
- Ralph F. Nell
Southern Platte Fire Protection District
- Brian L. Richardson
Southern Platte Fire Protection District
- Steven W. Siebert
Glendale Fire Department

- Kyle Smith
Boone County Fire Protection District
- Robert D. Stinson
Pleasant Valley Fire Department
- Jeffrey L. White
Southern Platte Fire Protection District

4TH ANNUAL FIRE SERVICE LEADERSHIP ENHANCEMENT PROGRAM

The Leadership Enhancement Program continued to grow with a total of 28 executive officers this year. This was also the first year that students were turned away from the program due to class size. This program is co-sponsored by the Missouri Association of Fire Chiefs, the Missouri Association of Fire Protection Districts and the Harry S Truman School of Public Affairs at MU.

TIME WITH THE NEW PROVOST



New MU Provost Dr. Brian Foster, is given an overview of the MU FRTI program by Director Gary Wilson. The MAFT and LP Gas Props were staged outside of Whitten Hall for Dr. Foster's visit. MU FRTI was one of the few Extension programs given special time with Dr. Foster.



FY06 FSLEP GRADUATES

COMPANIES WHO ASSISTED MU FRTI

The quality of our programs this year was due, in part, to the support we received from various allied organizations. Their support came in many forms, including expertise and equipment. Through such assistance, we were able to demonstrate to our students the latest equipment on the market while keeping our overhead and inventory costs to a minimum. MU FRTI would like to extend our sincere appreciation to the following organizations:

3M
Battalion 3
Bergquist Education Division:
LP Gas Equipment
Consolidated Energy
DuPont
Elkhart Brass
Halmatro Tools
IFSTA/Fire Protection Publications
MFA Propane
Missouri Propane Gas Association
Midwest Breathing Air
Phoenix Tools
Precision Fire Apparatus
Reis Environmental
Schuhmacher Fire Equipment
Scott Air
Tower Fire Equipment
U.S. Rents-It

MU FRTI AND MOCHIEFS PROVIDE WEB CAST FOR IAFC FIREFIGHTER STAND DOWN

On June 21, 2006, in support of the International Association of Fire Chiefs Stand Down, MU FRTI and MOCHIEFS teamed up to offer a two-hour web cast on firefighter safety. One hundred and eight individuals logged on to the live video feed. The presentation was provided by the Maryland Fire Rescue Institute at the University of Maryland-College Park. Osher Lifelong Learning Institute, MU Video Group, and MU Extension provided additional help.

Anyone can view the web cast throughout the year at www.mufrti.org/download/misc.shtml



MU FRTI ASSISTS WITH TABLETOP EXERCISE FOR MU ADMINISTRATIVE OFFICIALS

The University of Missouri-Columbia, hosted an exercise on February 22, 2006, to gain an understanding of the problems they could face if a natural disaster hit the campus. The exercise was attended by Chancellor Brady Deaton and his staff, MU Provost, Brian Foster and department heads from various university departments. The exercise provided an opportunity to assess the campus capabilities in the likely event of such a disaster. The exercise was developed through the MU Extension Emergency Management Program.



OTHER ACCOMPLISHMENTS



WWW.MUFRTI.ORG