



**Course:** Applications of Fire Research  
**Course & Section:** FES 3782  
**Credit Hours:** 3  
**Course Format:** Web-based Distance Learning. There will be times scheduled for online meetings.  
**Instructor:** Dr. Jeffrey Lindsey, PhD, PM, CFO, EFO  
**Location:** Rinker School of Construction Management Room 336

**Bio for Jeffrey Lindsey, Ph.D., PM, EFO, CFO**

Dr. Lindsey is an experienced leader, educator, lecturer, author, and consultant in emergency services. He has authored a number of textbooks for Brady Publishing & REA Publishing. Dr. Lindsey earned his doctorate and master's degree in Curriculum and Instruction from USF. He holds a bachelor's degree in Fire and Safety Engineering from the University of Cincinnati, and an associate in paramedic from Harrisburg Area Community College. He also has earned his Chief Fire Officer designation and completed the Executive Fire Officer program. He was the 2011 recipient of the IAFC EMS section James O. Page EMS award.

Dr. Lindsey has been involved in the emergency services industry since 1980. He has a diverse background with experience as a paramedic, firefighter, 911 dispatcher, and educator. He served in various ranks including fire chief. He is an associate member of the Pre-hospital Research Forum, representative to the Fire and Emergency Services Higher Education EMS degree committee, liaison for the IAFC EMS section to ACEP, and a number of other appointments through his career. He served on the inaugural National EMS Advisory Council and was the safety chairperson of the Council. He has served in the past as a member of the State of Florida EMS Advisory Council, vice-chair of the Florida Fire Chief's EMS section, NAEMT Governor representing Florida, board member of NAEMSE, and Chairperson of the Strategic Planning committee for the Lee County Fire Chief's Association.

**Office Hours:** I am in the office (Rinker 336) Mon – Fri hours vary depending on travel and meetings. You can email me any time. Office phone 352-273-1199

**Course Website:** <http://lss.at.ufl.edu>

**Course Communications:** There is a General Discussion tab that can be used, or send me an email through the course email. Urgent messages can be sent to my [Jeffrey.lindsey@ufl.edu](mailto:Jeffrey.lindsey@ufl.edu) email.

**Required Text:** None

**Additional Resources:** Use resources on the course site under the **File** tab.

## Course Description

This course examines the basic principles of research and methodology for analyzing current fire-related research. The course also provides a framework for conducting and evaluating independent research in the following areas: fire dynamics, fire test standards and codes, fire safety, fire modeling, structural fire safety, life-safety, firefighter health and safety, automatic detection and suppression, transportation fire hazards, risk analysis and loss control, fire service applied research and new trends in fire-related research.

**Prerequisite Knowledge and Skills:** Entrance into FES program

**Purpose of Course:** This course prepares the student to evaluate research. It considers fire dynamics, fire test standards and codes, fire safety, fire modeling, structural fire safety, life-safety, firefighter health and safety, automatic detection and suppression, transportation fire hazards, risk analysis and loss control, fire service applied research and new trends in fire-related research.

**Course Goals and/or Objectives:** By the end of this course, students will:

1. Locate, evaluate, and analyze fire related research.
2. Demonstrate the application of fire research to a research problem related to one of the course topics.
3. Conduct a literature review of current research on a fire related topic.
4. Write a fire related research proposal.
5. Design a research plan using one or more qualitative and/or quantitative methodologies.

**How This Course Relates to the Student Learning Outcomes in the Fire & Emergency Services program:** Identify and evaluate organizational problems associated with fire and emergency services. Illustrate knowledge and legal application of safety, health and environmental regulations at state and federal levels. Demonstrate strong verbal and written communication skills for leadership in fire and emergency services.

**Teaching Philosophy:** I am looking for students to demonstrate a working knowledge of the subject. You need to be creative when you complete your assignments but maintain a professional appearance of your work. Your work needs to be complete and in such a manner that someone can pick up your document and understand what you are trying to convey. Most of your work needs to be supported with research and cited in properly in APA format.

**Instructional Methods:** The course is designed for individual and group interactivity. It is important to post and respond to discussion questions in the course within the time frame allotted. This provides a learning environment by networking with other students in the course. The assignments are individual base to give you the opportunity to do a variety of activities, in many cases, similar to what you will be doing in role as a leader in the emergency services profession.

## Course Policies

**Attendance Policy:** The course is designed in module format. You should check the site at least once a week. You are required to complete the assignments including discussion questions within the time period designated on the module. There will be meetings set up throughout the course. Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found in the online catalog at:

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.

**Quiz/Exam Policy:** There is a final project for this course. There are no exams or quizzes.

**Make-up Policy:** You must contact me if you are going to be late on any assignment to receive credit.

**Assignment Policy:** All assignments have a due date. Please be sure to check the date and time it is due in each module.

**Course Technology:** Class meetings will require a web camera and mic/audio. If you are not able to use a web camera you will need to at least provide audio/mic, you can call in on a phone also.

**UF's Honesty Policy:** UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment." The Honor Code (<http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obliged to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor of in this class.

**Technical support:** If you experience difficulties with accessing components of the site, including lectures, quizzes or tests, contact the UF help desk immediately. **(352) 392-HELP (4357) | [helpdesk@ufl.edu](mailto:helpdesk@ufl.edu)**

If they are not able to resolve your problem, contact Dr. Lindsey with your help desk ticket number and a description of the problem and steps taken to resolve it. Extensions for due dates will be granted for documented technical problems, as needed.

## UF Policies

University Policy on Accommodating Students with Disabilities: Students requesting accommodation for disabilities must first register with the Dean of Students Office (<https://www.dso.ufl.edu/drc/>). The Dean of Students Office will provide documentation

to the student who must then provide this documentation to the instructor when requesting accommodation. You must submit this documentation prior to submitting assignments or taking the quizzes or exams. Accommodations are not retroactive, therefore, students should contact the office as soon as possible in the term for which they are seeking accommodations.

**University Policy on Academic Misconduct:** Academic honesty and integrity are fundamental values of the University community. Students should be sure that they understand the UF Student Honor Code at <http://www.dso.ufl.edu/students.php>.

**Netiquette:** Communication Courtesy: All members of the class are expected to follow rules of common courtesy in all email messages, threaded discussions and chats. [Describe what is expected and what will occur as a result of improper behavior] <http://teach.ufl.edu/docs/NetiquetteGuideforOnlineCourses.pdf>

## Getting Help

For issues with technical difficulties for E-learning in Canvas, please contact the UF Help Desk at:

- [Learning-support@ufl.edu](mailto:Learning-support@ufl.edu)
- (352) 392-HELP - select option 2
- <https://lss.at.ufl.edu/help.shtml>

Any requests for make-ups due to technical issues MUST be accompanied by the ticket number received from LSS when the problem was reported to them. The ticket number will document the time and date of the problem. You MUST e-mail your instructor within 24 hours of the technical difficulty if you wish to request a make-up.

Other resources are available at <http://www.distance.ufl.edu/getting-help> for:

- Counseling and Wellness resources
- Disability resources
- Resources for handling student concerns and complaints
- Library Help Desk support

Should you have any complaints with your experience in this course please visit <http://www.distance.ufl.edu/student-complaints> to submit a complaint.

## Course Schedule

	Introduction – online post
	Read Syllabus and review course content
Week 1	Introduction to Research
	Assign Module One – Discussion and Assignment
	Assign Final Project

Week 2	Reviewing the Literature <b>Module 1 Discussion and Assignment due</b>
Week 3	Performance Management Assignment Module 2 – Discussion and Assignment
Week 4	Defining and Measuring the Problem <b>Module 2 Discussion and Assignment due</b>
Week 5	Analyzing Baseline Results Assign Module 3 Discussion and Assignment
Week 6	Maintaining Control <b>Module 3 Discussion and Assignment due</b>
Week 7	Improving the Process Assign Module 4 Discussion and Assignment
Week 8	<b>Module 4 Discussion and Assignment due</b>
Week 9	Qualitative Research Assign Module 5 Discussion and Assignment
Week 10	Ethical Considerations <b>Module 5 Discussion and Assignment due</b>
Week 11	Disseminating and Archiving Results Assign Module Six discussion and assignment
Week 12	<b>Module Six discussion and assignment due</b>
Week 13	Sources for Research on Fire Related Activities Assign Module Seven discussion and assignment
Week 14	<b>Module Seven discussion and assignment due</b>

## Grading Policies

The grade is based on a point system. You divide the total number of earned points into the total amount of points available to determine your grade. A grading rubric for the final project is under the Resource Tab on the course.

Assignment	Points or percentage
Grading Discussion Participation – 20 points each discussion	140 points
Homework Assignments – 15 points each assignment	105 points
Final Project - comprehensive and applied	100 points
<b>Total Grade</b>	<b>345 points</b>

### Late Assignments and Discussion Posts

- Assignments 48 hours late will receive a 10% deduction in their grade.
- Assignments more than 48 hours but less than 30 days late will receive a 20% deduction in their grade.
- Assignments more than 30 days late but submitted during the semester will receive a 50% deduction in their grade.

### Discussion Post Grading

Discussions are like being in class. Initial posts are due one week before the module due date for full credit. You will receive 1 point deduction for every day late. You must respond to two other students by the due date. If you do not respond to two other peers initial posts by the due date you will receive a deduction of 2.5 points per student to a max of 5 points. The discussion post will close on the due date with no credit earned after the due date.

### Incompletes

Please note that any student have less than 75% of their work complete for the semester cannot earn an "I" contract. If you have 75% of the work complete, you can propose an I contract to the instructor.

It is your responsibility to keep your instructor informed at all times. The instructor does have the right under extenuating circumstances with proper notification to assist the student by extending the above time requirements.

### **Grading Scale**

A = 93.0 to 100%	C = 73.0 to 76.9
A- = 90.0 to 92.9	C- = 70.0 to 72.9
B+ = 87.0 to 89.9	D+ = 67.0 to 69.9
B = 83.0 to 86.9	D = 63.0 to 66.9
B- = 80.0 to 82.9	D- = 60.0 to 62.9
C+ = 77.0 to 79.9	F = below 60

## Evaluation Process

Students are expected to provide feedback on the quality of instruction in this course based on 10 criteria. These evaluations are conducted online at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three

Weeks of the semester, but students will be given specific times when they are open.

Summary results of these assessments are available to students at

<https://evaluations.ufl.edu>.