





Collaborative Bachelor's Degree Program of Fire Protection and Safety Engineering Technology between Southwest Jiaotong University and Oklahoma State University, U.S.A.





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FPST 3013


Safety Management

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How do we manage Safety as a business issue?


What will I learn in this class?

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Three rationale for Safety



- Financial
 - No safety costs money
 - Lost Production
 - Damage to Equipment
 - Medical Costs
 - Good safety saves/makes money
 - Increase productivity, quality, efficiency
 - Improved morale – happy workers work better
- Legal
 - Government fines and penalties
 - Lawsuits
- Humanitarian
 - It is wrong to hurt workers in the pursuit of making money
 - Protecting workers is the ethical and moral thing to do

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SYLLABUS & SCHEDULE

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Course Objectives



- This course will familiarize the students with the fundamentals and understanding of standard terminology, concepts, and technical areas encompassing **safety and health management system development, implementation, and improvement.**
- At the completion of this course, students will be able to recognize and apply various principles of managed safety and health systems, articulate business ethics.

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Learning Objectives



- Recognize the **historical origins** of the **safety movement** in the industrialized world.
- Understand the **relationship** of the Occupational Safety and Health Administration (**OSHA**) to the management of safety systems in the United States.
- Understand the key concepts of **Safety Leadership and Culture.**
- Evaluate the ways that **incidents and loss can happen.**
- Identify **cost factors** related to industrial loss incidents.
- Identify **behavioral and root causes** of loss incidents
- Develop **control strategies** for the prevention of occupational loss incidents.
- **Communicate** the role of various levels of corporate management in the accident prevention process.
- Evaluate occupational events for **risk** and apply those assessments to loss control strategies.

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Student Responsibilities



A. Access
Textbook &
course materials

B. Complete
Required
Coursework

C. Watch
Lectures and
seminars

D. Avoid
Academic
Misconduct

E. Demonstrate
Appropriate
behavior

F. Communicate
in a Professional
Manner

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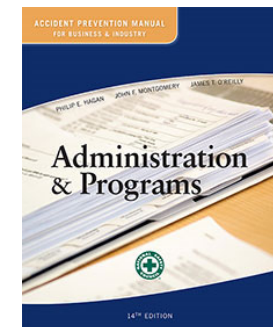
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Required Text and Materials:





- Accident Prevention Manual Administration and Programs 14th edition,
- Hagan, P.E., Montgomery, J.F., O'Reilly, J.T.,
- National Safety Council, 2015
- ISBN 978-0-87912-321-5
-
- Professional journal articles and regulatory information
 - Canvas
 - www.osha.gov



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CANVAS COURSE PAGE

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Reading Assignments, Homework,

- Reading Assignments
- Listed in Course Outline/Schedule
- Expected to be completed before each class
- Online Quizzes in Canvas

- Projects
- Must be submitted in Canvas by established due date
- Late work will not be accepted
- Handwritten work will not be accepted unless specifically directed by instructor.
 - Submitted documents must be scanned, not photographed

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Projects

- Individual (I)
 - Work independently
- Group (G)
 - You will be assigned to a group of 4 or 5

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Assignments

1. Letter to a loved one (I)
2. Incident Investigation (G)
3. OSHA Logs (G)
4. Safety Moment (I)
5. Term Paper (I)

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Safety Moment Presentation



- With Prepare a 3 minute safety moment video
 - topic of your choosing (must be timely and relevant)
 - use any multi-media that you like
 - demonstration
 - Powerpoint or Prezi,
 - YouTube, etc.
 - External Video content cannot exceed 25% of your overall presentation.
 - Cite your sources
 - Business Casual attire expected for presentation.
- **Topics:** Must be safety related and relevant. Topics can focus on Campus Safety, Driving Safety, Home Safety, Workplace Safety, etc.
- Peer review 3 of your class-mates videos

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Demonstrate Appropriate Behavior



- Junior Level class
- Professional conduct is expected

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Assignment #1

Letter to a loved one

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About your Instructor - Leslie Stockel, MS, CSP, SMS



- Assistant Professor of Professional Practice, OSU Fire Protection & Safety Engineering Technology
- BS in Fire Protection & Safety Engineering Technology from OSU, 1989
- MS in Engineering & Technology Management from OSU, 2005
- PhD Student – Texas Tech University, expected graduation 2023
- Manager, Health & Safety, OGE Energy Corp
- Las Vegas Valley Water District, Safety Manager
- OSHA Director, State of Oklahoma DOL
- ARCO Chemical, Corporate EHS
- International Paper, Plant Safety
- Board of Directors, Board of Certified Safety Professionals
 - President



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Teaching Experience



Oklahoma State University 2016 to present

- FSEP 5133 Principles of Process Safety
- FPST 2023 Industrial and Occupational Safety
- FPST 3013 Safety Management
- FPST 3213 Human Factors in Accident Prevention
- FPST 4333 System and Process Safety Analysis
- FSPT 4683 Industrial Loss Prevention/Risk Control Engineering
- FPST 4993/1982/4992 Advanced Fire Protection & Safety Problems
- CET 4443 Construction Safety and Loss Control

Adjunct Instructor

- OSHA Education Center 2017- current
- Oklahoma Safety Council 2009 - current
- University of Central Oklahoma – 2010 – 2016
- OSU-OKC 2009-2013
- Rose State College – 2008-2010

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Fun fact
about me

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My Family

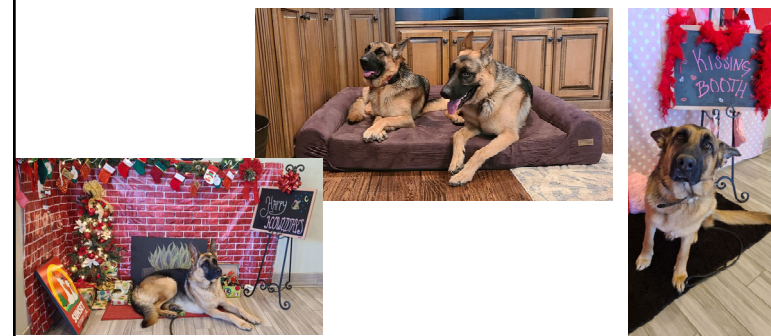
- Husband Chip – Lt. Col USAF, retired
 - Owns a hobby store in Edmond, OK
- My Oldest son Jeff
 - Junior at OSU in Industrial Engineering
 - Top Ten Freshman - 2019
- My youngest son Jeremy
 - Senior in High School
 - Wrestler
 - USMC, ROTC
 - OSU Spring 2023, Mechanical Aerospace



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Fred & Izzy



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How to Succeed



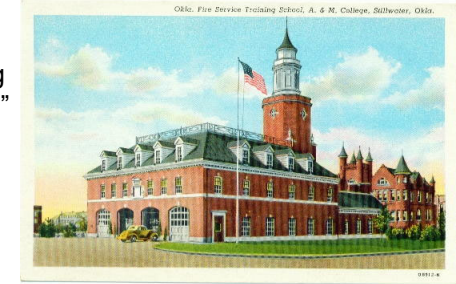
- Read assignments before class
- Use university resources
- Stay organized and manage your time
- Attend class
- Stay Well
- Healthy Diet, Sleep, Exercise
- Get involved
- Have FUN!



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- "Men resemble Gods in nothing so much as doing good for their fellow man."
- ~Cicero



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