

Course Outline of Record

Los Medanos College

2700 East Leland Road

Pittsburg CA 94565

Course Title: Company Officer 2C: Fire Inspections and Investigations

Subject Area/Course Number: Fire 125

New Course OR **Existing Course**

Author(s): German Sierra

Subject Area/Course No.: Fire 125

Units: 2

Course Title: Company Officer 2C: Fire Inspections and Investigations

Discipline(s): Fire Technology

Pre-Requisite(s):

Co-Requisite(s):

Advisories: Must meet the educational requirements for State Fire Marshall Firefighter II

Catalog Description:

This course provides information on conducting inspections, identifying hazards and addressing violations, following a local, federal set of ordinances and fire codes where applicable. A simulated fire investigation to determine preliminary cause and securing the incident scene and preserving evidence. This course is one of five core courses required in the California State Fire Training Company Officer Certification. This course has mandatory material fees that range from \$10-\$40 dollars.

Schedule Description:

Are you a Firefighter looking to promote to the rank of Company Officer, this class is for you! This course is designed for current firefighter professionals seeking to advance their career. Information will be provided on conducting inspections, identifying hazards and addressing violations. This is one of the 5 core courses required to promote to the rank of company officer within the CSFM certification track. Please note you must bring a copy of your Firefighter II certificate to the first day of class. Be advised, this course has mandatory material fees that range from \$10 - \$40.

Hrs/Mode of Instruction: Lecture: 40 Scheduled Lab: HBA Lab: Composition: Activity: Total Hours 40

Credit	<input checked="" type="checkbox"/> Credit Degree Applicable (DA)	Grading	<input checked="" type="checkbox"/> Pass/No Pass (P/NP)	Repeatability	<input checked="" type="checkbox"/> 0
	<input type="checkbox"/> Credit Non-Degree (NDA)		<input type="checkbox"/> Letter (LR)		<input type="checkbox"/> 1
			<input type="checkbox"/> Student Choice (SC)		<input type="checkbox"/> 2
					<input type="checkbox"/> 3

Last date of Assessment: _____ Cohort #: 4

Please apply for:

LMC General Education Requirement(s): _____

Transfer to: CSU UC IGETC Area _____ CSU GE Area _____ C-ID Number _____

Course is Baccalaureate Level: Yes No

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Signatures:

Department Chair _____ Date _____

Librarian _____ Date _____

Dean (Technical Review) _____ Date _____

Curriculum Committee Chair _____ Date _____

President/Designee _____ Date _____

CCCCD Approval Date (Board or Chancellor's Office) _____ Date _____

STAND ALONE COURSE: YES NO

Course approved by Curriculum Committee as Baccalaureate Level: YES NO

LMC GE Requirement Approved by the Curriculum Committee: _____

FOR OFFICE OF INSTRUCTION ONLY. DO NOT WRITE IN THE SECTION BELOW.

Begin in Semester _____ Catalog year 20____/20_____ Class Max: _____

Dept. Code/Name: _____ T.O.P.s Code: _____ Crossover course 1/ 2: _____

ESL Class: _____ Yes / No _____ DSPS Class: _____ Yes / No _____ Coop Work Exp: _____ Yes / No _____

- Class Code A Liberal Arts & Sciences B Developmental Preparatory C Adult/Secondary Basic Education D Personal Development/Survival E For Substantially Handicapped F Parenting/Family Support G Community/Civic Development H General and Cultural I Career/Technical Education J Workforce Preparation Enhanced K Other non-credit enhanced Not eligible for enhanced
- SAM Code A Apprenticeship B Advanced Occupational C Clearly Occupational D Possibly Occupational E* Non-Occupational
- Remediation Level B Basic Skills NBS Not Basic Skills
- *Additional criteria needed
 1 One level below transfer
 2 Two levels below transfer
 3 Three levels below transfer

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Institutional Student Learning Outcomes:



General Education SLOs:

At the completion of the LMC general education program, a student will:

1. read critically and communicate effectively as a writer and speaker.
2. understand connections among disciplines and apply interdisciplinary approaches to problem solving.
3. think critically and creatively
4. consider the ethical implications inherent in knowledge, decision-making and action.
5. possess a worldview informed by diverse social, multicultural and global perspectives.



None

Program-Level Student Learning Outcomes (PSLOs): n/a

Course-Level Student Learning Outcomes (CSLOs):

CSLO 1 Describe basic fire cause and origin determination of a fire and the basics of Fire Behavior

CSLO 2 Execute routine unit-level administrative functions, completing reports and logs, and maintaining files in accordance with policies and procedures

CSLO 3 Explain fire inspection procedures during a commercial building inspection

Assessment Table	Formative Quizzes	Problem based learning activities, case study, facilitated discussions and field observation projects	Final Summative Exam
CSLO 1	X	X	
CSLO 2	X	X	X
CSLO 3	X	X	X

Assessment Instruments:

In-class Assignments

1. Analyze case studies from the following:

1. Course textbook(s)

2. Reference the following sources for class activities:

1. Course textbook

3. Conduct a fire life safety inspection of an occupancy, asking students to record their findings and present them in class.

Out-of-class Assignments

1. Reading assignments are required and may include but, are not limited to, the following:

1. Course textbook(s)
2. Writing Assignment

2. Develop a pre-incident plan that includes:

1. Building construction
2. Fire protection systems and features
3. Fuel Loading
4. Special hazards and safety concerns
5. Utility control locations
6. Ventilation systems

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7. Water supplies

Method of Evaluation/Grading:

- College level or pre-collegiate essays
- Written formative and Summative Test
- Field/physical activity observations
- Presentations/student demonstration observation
- Student participation/contribution

Assessment Instruments:

CSLO 1 Describe basic fire cause and origin determination of a fire

Students demonstrate competencies in the evaluation and application of fire investigations and learn their respective roles and responsibilities as a company officer through quizzes and general in class discussions and role playing.

CSLO 2 Execute routine unit-level administrative functions, completing reports and logs, and maintaining files in accordance with policies and procedures.

Student demonstrate competencies within the scope of a company officers and learn to perform the following tasks: complete fire reports and maintain files and logs according to their agency specific SOPs. This is accomplished by role playing and table top exercises

CSLO 3 Explain fire inspection procedures during a commercial building inspection

Students demonstrate and apply the core concepts and procedures of a commercial building inspection and describe the criteria for assessing a building through the use of table top exercises, field exercises and simulations.

Methods of evaluation and grading:

A Level Work: Is characterized by clear, concise and consistent proficiency in the ability of the student to function in the capacity of a company officer with heavy emphasis on the administrative duties of the profession. Assessments scores are in the range of 90%-100%.

C Level Work: Student demonstrate minimal competence in the ability to act in the role of a company officer and is seldom able to perform the administrative duties of the profession. Assessments are in the range of 70%-79%.

Assignment	Percentage of total grade
Written Final Summative Exam	40%
Written Formative Quizzes	25%
Discussions, Problem Based Learning, role play and table top exercises	35%

Course Content:

1. Introduction
 1. Orientation and Administration
 2. Fire Officer Certification Process
 3. Definition of Duty
2. Fire and Life Safety Inspections
 1. Describing Fire Inspection Procedures
 2. Identifying Features that Prevent or Contribute to Fire Spread

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3. Fire Investigation

1. Securing Incident Scenes
2. Determining the Origin and Cause

Instructional Methods:

- Lecture
- Lab
- Activity
- Problem-based Learning/Case Studies
- Collaborative Learning/Peer Review
- Demonstration/Modeling
- Role-Playing
- Discussion
- Computer Assisted Instruction
- Other (explain) _____

Textbooks:

Ward, Michael J. (2015). *Fire Officer: Principles and Practice* (Third (Enhanced)/e). Jones & Bartlett. ISBN: 9781284068368

California Fire Inspector's Guide <http://www.calchiefs.org/>