FIRT 1303 FIRE ARSON INVESTIGATION I Syllabus
El Centro College

Instructor Information
Name: Larry Phillips
Email: lawrencephillips@dcccd.edu
Phone: Division Office: BDPS, One Main Place, 11th Floor, 1201 Main St., Dallas, TX 75202
Division Office Phone: (214) 860-2202

Course Information
Course Title: Fire Arson Investigation I
Course Number: 1303
Section Number: 51401
Semester/Year: 2020FA
Credit Hours: 3
Class Meeting Time/Location: Online
Certification Date: 9/5/2020
Last Day to Withdraw: 11/12/2020

Course Prerequisites
Admittance to college.

Course Description
Updated fire and arson investigation practices. Emphasis on fire behavior principles, constitutional law and case law related to fire and arson investigation. This course is intended to provide the student with the foundation needed for fire scene evaluations, including recognizing and conducting origin and cause, preservation of evidence and documentation, case preparation/case presentation, and types of fire setters.

Student Learning Outcomes
1. Interpret a fire scene
2. Describe the chemistry of combustion
3. Explain the nature and behavior of fire
4. Identify the combustion properties of liquid, gaseous, and solid fuels
5. Evaluate the use of incendiary devices, explosives, and bombs
6. List procedures for fire scene documentation and fire investigator scene safety

Course Objectives

Students will:

1. Analyze fire cause
2. Explain the significance of the rule of law
3. Recognize the different classifications of arson
4. Requirements to be fire/arson investigator (NFPA 1033)
5. Focus on the investigator and the legal profession on the scientific principles behind investigation (NFPA 921)

Required Course Materials

**TEXTBOOK:** Fire Investigator: Principles And Practice To NFPA 921 And 1033; 4rd Edition, by International Association of Arson Investigators (Author) Jones and Bartlett Publishers.

Note: A student of this institution is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

“Important: Students who are part of the IncludED program do not need to purchase any learning materials unless directed by the instructor.”

Description of Graded Work

RESEARCH PROJECT GUIDELINES– FIRT 1303

Optional resource:
NFPA 921: Guide for Fire and Explosion Investigations, 2011 (is available online to DCCCD students via the DCCCD library resources)

**COURSE REQUIREMENTS:** A Research Paper/Project will be required of each student. There will be two examinations, the Midterm and the Final. There will be several tests/quizzes and homework assignments, all of which are mandatory. The course grading:
Physical (printed copies) of papers are due by 5:30 p.m. in the classroom, on the due date. In addition, your research paper shall be submitted via eCampus prior to the start of class the day papers are due. Papers may be submitted early. If that occurs, students may do their oral presentation early, or present at the class that papers are due - your choice.

**Method of Evaluation**

Tests, homework assignments, class participation and individual activities. Learning activities include discussions, lectures, in-class research. There will be chapter tests as well as Internet research assignments, online program completions and research assignments. Tests will be done in class and/or via eCampus.

The tables below provide a summary of the graded work in this course and an explanation of how your final course grade will be calculated.

**Summary of Graded Work**

<table>
<thead>
<tr>
<th>Assignments</th>
<th>Points</th>
<th>Totals</th>
</tr>
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<tbody>
<tr>
<td>Exam and midterm</td>
<td>2 @ 500 points</td>
<td>1000 points</td>
</tr>
<tr>
<td>Research Paper/Oral presentation/power point</td>
<td>1 @ 1,000 points</td>
<td>1000 points</td>
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<tr>
<td>Chapter test</td>
<td>10 @ 100 points each</td>
<td>1000 points</td>
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<tr>
<td>CFI Trainer Program/ Assignments</td>
<td>5 @ 100 points each</td>
<td>1000 points</td>
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**TOTAL: 4,000 points**

**Final Grade**

<table>
<thead>
<tr>
<th>Points</th>
<th>Percentages</th>
<th>Letter Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>3600-4000</td>
<td>90-100%</td>
<td>A</td>
</tr>
<tr>
<td>3200-3599</td>
<td>80-89%</td>
<td>B</td>
</tr>
<tr>
<td>2800-3199</td>
<td>70-79%</td>
<td>C</td>
</tr>
<tr>
<td>Points</td>
<td>Percentages</td>
<td>Letter Grade</td>
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<tr>
<td>-----------------</td>
<td>-------------</td>
<td>--------------</td>
</tr>
<tr>
<td>2400-2799</td>
<td>60-69%</td>
<td>D</td>
</tr>
<tr>
<td>2399 and below</td>
<td>0-59%</td>
<td>F</td>
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**Make Up/ Late work Policy**

Students are expected to complete all assignments and tests. If they are absent, they must consult their instructor about completion of assignments and tests. Grade deductions will be made for late submissions.

**Institutional Policies**

Institutional Policies relating to this course can be accessed using the link below. These policies include information about tutoring, Disabilities Services, class drop and repeat options, Title IX, and more.

[El Centro Institutional Policies](http://www.elcentrocollege.edu/syllabipolicies)

**Disclaimer:** The provisions contained in this syllabus do not constitute a contract between the student and El Centro College. These provisions may be changed at the discretion of the Coordinator/instructor. When necessary, appropriate notice of such changes will be given to the student.