Instructor Information
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Course Information
Course Title: Fire Protection Systems
Course Number: FIRT 1338
Section Number: 51201
Semester/Year: FALL 2020
Credit Hours: 3
Class Meeting Time/Location: 1ST 8 weeks via Internet only starting on 8/24/20-10/15/20.
Certification Date: 8/29/2020
Last Day to Withdraw: 9/30/2020

Course Prerequisites
Admittance to college.
Course Description

This course provides information relating to the features of design and operation of fire alarm systems, water-based fire suppression systems, special hazard fire suppression systems, water supply for fire protection and portable fire extinguishers.

Student Learning Outcomes

- Recognize hazards associated with the fire service.
- Become familiar with extinguishing agents.
- Become familiar with Detection and suppression systems.
- Become familiar with fixed/portable extinguishers.
- Become familiar with fire behavior, and water supplies for extinguishing systems.

Texas Core Objectives

The College defines essential knowledge and skills that students need to develop during their college experience. These general education competencies parallel the Texas Core Objectives for Student Learning. In this course, the activities you engage in will give you the opportunity to practice two or more of the following core competencies:

1. **Critical Thinking Skills** - to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
2. **Communication Skills** - to include effective development, interpretation, and expression of ideas through written, oral, and visual communication
3. **Empirical and Quantitative Skills** - to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
4. **Teamwork** - to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
5. **Personal Responsibility** - to include the ability to connect choices, actions, and consequences to ethical decision-making
6. **Social Responsibility** - to include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

Required Course Materials

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

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.

Graded Work
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.

GRADES: Weighted grade use:

<table>
<thead>
<tr>
<th>Assignments</th>
<th>Points</th>
<th>Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short Report</td>
<td>1 @ 50 points</td>
<td>50 points</td>
</tr>
<tr>
<td>Chapter Quizzes</td>
<td>14 @ 25 points each</td>
<td>350 points</td>
</tr>
<tr>
<td>Discussions/class participation</td>
<td>1 @ 100 points each</td>
<td>100 points</td>
</tr>
<tr>
<td>Team Research Project</td>
<td>1 @ 100 points each</td>
<td>100 points</td>
</tr>
</tbody>
</table>

TOTAL: 600 points

Final Grade

<table>
<thead>
<tr>
<th>Points</th>
<th>Percentages</th>
<th>Letter Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>540-600</td>
<td>90-100%</td>
<td>A</td>
</tr>
<tr>
<td>480-539</td>
<td>80-89%</td>
<td>B</td>
</tr>
<tr>
<td>420-479</td>
<td>70-79%</td>
<td>C</td>
</tr>
<tr>
<td>365-419</td>
<td>60-69%</td>
<td>D</td>
</tr>
<tr>
<td>0-364</td>
<td>0-59%</td>
<td>F</td>
</tr>
</tbody>
</table>

Description of Graded Work
Short Reports: You will be given an assignment to do a short report (minimum 3 paragraphs) on a topic selected at the beginning of class. You will need to email the report and be prepared to present the info in class.

Quizzes: The chapter quizzes each have 18-25 multiple-choice questions you must answer within a 40-minute time-limit. You will be allowed two attempts at the quiz and your highest score will be counted towards your final course grade.

Final Project: The final project is for your team to research a special subject of your teams choosing related in the fire service field.

Attendance and Your Final Grade
You will be expected to meet when we have a scheduled class meeting, be prepared to participate and discuss the chapter subject with your classmates.

Late Work Policy
All assignments will have a due date. All assignments turned in after two weeks late will be penalized 5-10 points.

Other Course Policies
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)

Course Schedule
Listing of Topics by Week

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
<th>Readings &amp; Assignments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Orientation, Assignments</td>
<td>Chapter 1 &amp; 2</td>
</tr>
<tr>
<td>2</td>
<td>Fire Alarm Components</td>
<td>Chapters 3 &amp; 13</td>
</tr>
<tr>
<td>3</td>
<td>Smoke Control Systems</td>
<td>Chapters 4 &amp; 12</td>
</tr>
<tr>
<td>4</td>
<td>Water Supplies</td>
<td>Chapters 5 &amp; 11</td>
</tr>
<tr>
<td>Week</td>
<td>Topic</td>
<td>Readings &amp; Assignments</td>
</tr>
<tr>
<td>------</td>
<td>--------------------------------------</td>
<td>--------------------------------------------</td>
</tr>
<tr>
<td>5</td>
<td>Standpipes and Hose Systems</td>
<td>Chapters 6 &amp; 10</td>
</tr>
<tr>
<td>6</td>
<td>Auto Sprinklers systems</td>
<td>Chapters 7 &amp; 8</td>
</tr>
<tr>
<td>7</td>
<td>Fixed Wey &amp; Dry systems</td>
<td>Chapters 9</td>
</tr>
<tr>
<td>8</td>
<td>Final – Team Fire Research project</td>
<td>Present Research topics to classmates.</td>
</tr>
</tbody>
</table>

**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.