

Welcome to West Los Angeles College  
Home of the Professional Fire Fighter  
**Ft 201- Introduction to Fire Protection section # 1098**

Section # 1098-One on the six required fire courses.

Course description:

This course provides an overview to fire protection; career opportunities in fire protection and related fields; philosophy and history of fire protection/service; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics.

Student Learning Objectives:

1. Describe and discuss the components of the history and philosophy of the modern day fire service.
2. Analyze the basic components of fire as a chemical reaction, the major phases of fire, and examine the main factors that influence fire spread and fire behavior.
3. Differentiate between fire service training and education; fire protection certificate program and a fire service degree program; and explain the value of education in the fire service.
4. List and describe the major organizations that provide emergency response service and illustrate how they interrelate.
5. Identify fire protection and emergency-service careers in both the public and in the private sector.

Some of the above learning objectives will be used to assess the results for the fire program assessment.

weekl schedule

Session 1-Fire Science education and the fire fighter selection process

Session 2-Fire Protection career opportunities

Session 3- Public fire protection

Session 4- Chemistry and Physics of fire

Session 5- Public and private support organizations

Session 6- Fire department resources

Session 7-Fire Department administration

Session 8- Support functions

Session 9-Training

Session 10- Fire prevention

Session 11-Codes and Ordinances

Session 12- Fire Proteciton systems and equipment

Session 13-Emergency incident management

## Session 14-Emergency Operations

Instructor: Dr. R. Shackelford (retired) Fire Chief.

Office General class room building 380P phone 310-287-4231 or e-mail 1044056629@qq.com Office

Hours are Mondays and Wednesdays 0700 to 0800 and 1100 to 1200 hours and at 0900 hours on the last Friday of the Month.

Please call or e-mail to set appointment and call if you cannot make the appointment.

NEW \*\*\*\* Textbook for this Class.

Introduction to Fire Protection, 4 th. edition, Robert Klinoff, Del Mar learning . This book is available at the college book store. ISBN 10-14390 5842-3

We will cover all 14 chapters of the text.

Grading and assignments;

There are 20 multiple choice questions that need to be answered for each chapter. They are worth 1 point each or 20 points for each chapter.

They are 14 chapters or 14 chapters x 20 points = 280 POINTS FOR ALL QUIZZES

The quizzes are open from from the first day of class (February 4) and are closed on May xx . .

YOU ARE TO COMPLETE ALL QUIZZES, Mid-term and Final DURING THIS TIME PERIOD. There is one quiz for each chapter. Read the text book, review the power point summaries for each chapter, (found under modules) for the quizzes and mid-term and final click on Assignments, tests and surveys on the left side of the screen to take the quiz. Each quiz will be graded automatically by the computer. If you do not complete the quizz, mid-term or Final during the open period, the computer cannot be opened to allow you more time then the other students in the class.

The 5 Written assignments found under Discussion and Private messages

There are 5 written assignment each is worth 10 points for each complete and correct answer. They too are Opened for completion during a specific time period check the schedule below.

Read and review the text, and then answer. Check the Open and Closed dates under the assignments. YOU MUST SUBMIT YOUR WORK PRIOR TO THE CLOSING DATE TO OBTAIN YOUR GRADE.

SEE DATES for the written assignments BELOW:

Assignment # 1 is due prior to March 8 th

Assignment # 2- is due prior to April 5 th

Assignment # 3- is due prior to April 26 th.

Assignment # 4-is due prior to May 17 th.

Assignment # 5- is due prior to June 4 th,

THE MID-TERM EXAMINATION WILL BE OPEN MONDAY march 25 th @ 0800 hours and remain open until June 6 th.

There are 50 questions taken from the first 6 chapters.

THE FINAL EXAMINATION WILL BE OPEN May 1st @ 0800 hours and remain open until June 6 rd..

The final has 100 multiple choice questions from all 14 chapters again each question is worth 1 point.

Grading for class:

Total points for each of the 14 chapters = 280 points

Total points for the 5 written assignments = 50

Total points for the mid-term examination = 50 points

Total points for the final examination = 100 points

Total possible point 480 + 15 bonus points for the quiz found under discussion.

480 to 432 = A

431 to 400 = B

399 to 336 = C

335 to 288= D

287 and below= F

All West Los Angeles College Policies and Regulations are strictly adhered to in on-line classes. A copy of these policies can be found in the course schedule and in the College Library.

DO NOT WAIT TO THE LAST MINUTE TO FINISH THE ASSIGNMENTS

## **FT 202 Fire Prevention Section # 8064**

FT 202- Fire Prevention #8064

### Class Objectives:

This Fire Prevention class uses the most complete text book on the subject of fire prevention. Using this text book will provide coverage of the majority of the materials you will need as a fire inspector. The materials covered in this course includes most of the same materials required by the California State Fire Marshal for Fire Prevention IA and IB.

Student learning outcomes expected for this class:

- \* Define the National fire problem and main fire prevention issues facing the nation.
- \* Explain the need, responsibilities and importance of fire prevention as part of an overall mix of fire protection.
- \* Review minimum professional qualifications at the state and national levels for fire inspector, fire Investigator and fire public educator.
- \* Define the elements of a plan review program.
- \* Identify the laws, rules, codes and other regulations relevant to fire protection and discuss fire code training programs for fire prevention.
- \* Explain the steps in designing a fire prevention educational program.
- \* Discuss the current major programs available for Public fire prevention.

Instructor:(Retired) Chief- Dr. Ray Shackelford -Office number with voice mail is 310-287-4231. 1044056629@qq.com

Office hours are 0700 to 0800 and 1100 to 1200 Mondays and Wednesdays.

Those needing a different time, Please sent an E-mail to set up an appointment.

Required: Book & Materials Diamantes, David, Fire Prevention: Inspection and Code enforcement , 3 td edition, Albany, New York, Delmar Publishers 2007

ISBN 13-978141800441

Recommended texts for additional reading. Fire Inspection and Code enforcement, 6 th. ed. International Fire Service Training Association, Stillwater, Oklahoma. Introduction to Fire Protection, 4 th edition, James C. Robertson, Prentice hall, Englewood cliffs, New Jersey.

### Grading and assignments;

There are 20 multiple choice questions that need to be answered for each chapter. They are worth 1 point each or 20 points for each chapter.

They are 19 chapters or 19 chapters x 20 points = 380 POINTS FOR ALL QUIZZES

The quizzes are open from the first day of class (February 4) and are closed on June 3rd.

**YOU ARE TO COMPLETE ALL QUIZZES, Mid-term and Final DURING THIS TIME PERIOD.** There is one quiz for each chapter. Read the text book, review the power point summaries for each chapter, (found under modules) for the quizzes and mid-term anf final click on Assignments, tests and surveys on the left side of the screen to take the quiz.

Each quiz will be graded automatically by the computer. If you do not complete the quizz, mid-term or Final during the open period, the computer cannot be opened to allow you more time then the other students in the class.

The 5 Written assignments found under Discussion and Private messages

There are 5 written assignment each is worth 10 points for each complete and correct answer.

They too are Open for completion during a specific time period check the schedule below.

Read and review the text, and then answer. Check the Open and Closed dates under the assignments. **YOU MUST SUBMIT YOUR WORK PRIOR TO THE CLOSING DATE TO OBTAIN YOUR**

GRADE.

SEE DATES for the written assignments BELOW:

Assignment # 1 is due prior to March 8 th

Assignment # 2- is due prior to April 5 th

Assignment # 3- is due prior to April 26 th

Assignment # 4-is due prior to May 17 th.

Assignment # 5- is due prior to June 4 th.

THE MID-TERM EXAMINATION WILL BE OPEN March 25 th @ 0800 hours and remain open until June 3rd.

There are 50 questions selected from the first 6 chapters.

THE FINAL EXAMINATION WILL BE OPEN May 1st @ 0800 hours and remain open until June 3 rd..

The final has 100 multiple choice questions from all 19 chapters again each question is worth 1 point.

Grading for class

Points for each of the 19 chapters = 380 points

Points for the 5 written assignments = 50

Points for the mid-term examination = 50 points

Points for the final examination = 100 points

Total possible point 580 + 15 bonus points for the quiz found under discussion.

580 to 432 = A

431 to 400 = B

399 to 336 = C

335 to 288= D

287 and below= F

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[Return](#)

## **FIRETEK FT 205**

### Fire & Combustion

This is an On-line course using the Etudes system designed to bring to you the opportunity to take college courses and conduct your studies around your own personal schedule. This course is one of the 6 required core classes for the Fire technology program. The goals and objectives for the course as well as the course content has been approved state-wide for fire fighters by the California State College Chancellor's office the California State Fire Marshal as well as the National Fire Higher Education Committee.

**Class Objectives:** This course uses the leading text-book in the area of fire fighting tactics & strategy. The main objective of the course is to provide most of the information you will need to perform safely as a structural fire fighter.

**Instructor:**(Retired) Chief- Dr. Ray Shackelford

(310) 287-4231 and leave a message or e-mail 1044056629@qq.com

**Required: Books & Materials:** Book can be purchased at the book store. Principles of Fire Behavior and Combustion Processes, Ray Shackelford, DELMAR LEARNING, 2008.

**Reference materials:** Check the reference materials at the end of each chapter for a listing of the many text books and other locations where additional information can be found.

**Student learning objectives:** or Expected things you will learn in this class:

- Course assignments and examinations

ALL CHAPTERS 1- 10 will be covered in this class.

**Exercises:** There are 10 exercises with 20, multiple-choice and matching questions for each chapter. As follows: Each question is worth one point. Complete the exercises 1-5 before taking the mid-term examination. There are a total of 200, multiple choice questions to be answered. They can be found under assignments. After completing each exercise submit your answers, they will be graded by the computer.

About every two weeks a written assignment must be submitted. Go to Discussion and Private messages on the left hand side of your screen and click on question. You will see the due date and the written assignment. Each assignment is worth 10 points. All assignments must be completed to complete the course.

**MID-TERM AND FINAL ARE MULTIPLE CHOICE QUESTIONS :**

Read the first 5 chapters, review the power points and then complete the exercises before you proceed with the mid-term.

**ALL QUIZZES (ONE FOR EACH CHAPTER) ARE OPEN FROM THE beginning DATE OF CLASS (February 4 th) AND ARE CLOSED ON JUNE 3rd.**

YOU ARE TO COMPLETE ALL QUIZZES DURING THIS TIME PERIOD.

THE MID-TERM EXAMINATION WILL BE OPEN MONDAY MARCH 25th @ 0800 hours and remain open until June 3rd.

THE FINAL EXAMINATION WILL BE OPEN MONDAY MAY 1st @ 0800 hours and remain open until June 3rd.

Mid-term examination contains 50 multiple-choice questions using the materials found in the first 5 chapters of this text. Final examination contains 100 multiple choice questions. The final is comprehensive meaning that both the questions on the mid-term and questions on chapters 5-10 will be found in the final examination.

There are 5 questions that must be completed see announcements &/or Discussions and Private messages (questions).

The Total value of this assignment is 50 points.

Assignment #1 is due: Mar-5th

Assignment #2 is due:Mar-19th

Assignment #3 is due:Apr-16th

Assignment #4 is due:May-1st

Assignment #5 is due:May-15th

Points for each of the 10 chapters=200 points

Points for the 5 written assignments=50 points

Points for the mid-term examination=50 points

Points for the final examination=100 points

400-360 points =A

359-309 points =B

308-248 points = C

247-177 points = D

below 176 =F

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**DO NOT WAIT TO THE LAST MINUTE TO FINISH THE ASSIGNMENTS.**

# Fire tek 209

## Structural Fire Fighting

**This is a On-line course using the Etudes system designed to bring to you the opportunity to take college courses and conduct your studies around your own personal schedule. This course is one of the 3 elective classes for the Fire technology program. The goals and objectives for the course as well as the course content has been approved State-wide for fire fighters by the California State College Chancellor's and the Office the California State Fire Marshal as well as the National Fire Higher Education Committee.**

West Los Angeles College is the Home of the Professional Fire Fighters-

Class Objectives: This class uses the most complete text book on the subject of fire fighting. Using this text book will provide coverage of the majority of the materials you will need as a fire fighter. udne

Student learning outcomes:

Fire tek 209 Structural fire fighting

Prepares students for fire fighting in the urban areas of cities.

Expected student outcomes:

1. Demonstrate (verbally and written) knowledge of fire behavior and the chemistry of fire.
2. Articulate the main components of pre-fire planning and identify steps during a pre-fire plan review.
3. Recall the basics of building construction and how they interrelate to pre-fire planning.
4. Recall major steps taken during size-up and identify the order in which they will take place at an incident.
5. Recognize and articulate the importance of fire ground communications.
6. Identify and define the main functions within the ICS system and how they interrelate during an incident.
7. Given different scenarios, the student will set up an ICS, call for appropriate resources and bring the scenario to a mitigated or controlled conclusion.

**Instructor:(Retired) Fire Chief- Dr. Ray Shackelford**

Office phone (310) 287-4231 - [1044056629@qq.com](mailto:1044056629@qq.com)

Office Hours: Mondays and Wednesdays 0700 to 0800 and 1100 to 1200 hours. Please call ahead for an appointment.

Required: Book & Materials

**Firefighting Strategies and Tactics by 2 edition,** Angle, David, Michale Gala, David Harlow, William Lombardo, Craig Maciuba, Delmar Publishers, 2008.

Available at the college book store

Assignments:

There is a 20 multiple choice questions for each for the first 17 chapters in the text book. We do not use chapters 18 and 19. The multiple choice questions are found under assignments, test and surveys (left hand side) for this class there are 17 exercises (WE DO NOT USE 18 & 19). Each exercise covers a chapter in the text book.(open Feb.4th, close June 3rd)

Mid term examination contains 50 multiple choice questions, Each question if worth 1 point.(open Mar-27th, Close June-3rd)

Final examination contains 100 Multiple choice questions (open May 1st, close June-3rd.)

In addition, there are 5 written assignments each is worth 10 points. They can be found under Discussion and private messages (questions) They are to be completed and returned per the schedule you will find under the Questions area of discussions and private messages.

Assignment #1 is due:Mar-8th

Assignment #2 is due: April 5

Assignment #3 is due: Apr-26th

Assignment #4 is due: May-17 th

Assignment #5 is due: June 4 th

Grading for class

Points for each of the 17 chapters =340 points

Points for the 5 written assignments=50 points

Points for the Mid-term examination=50 points

Points for the Final examination=100 points

**Total maximum points for this class 540 points.**

Total maximum points for this class 540 points.

Course Grading schedule:

540 to 486 = A

485 to 432= B

431 to 378 = C

377 to 324 = D

below 323= F

\*\*\*\*\*25 Bonus points can only be added upon confirmation of completion of the survey. This must be completed during the first 4 weeks of class.

Student standards of conduct both on-line and on campus is outlined in "Standards of Student conduct per the college catalog.

Absenteeism and tardiness (Not responding to assignments per the scheduled times) is

regulated by College requirements and will be enforced according to the procedures as outlined in the College regulations.

**Fire tek 213 Section # 8068**  
**Fire Investigation**

This is a On-line course using the Etudes system designed to bring to you the opportunity to take college courses and conduct your studies around your own personal schedule. This course is one of the 3 elective classes for the Fire technology program. The goals and objectives for the course as well as the course content has been approved State-wide for fire fighters by the California State College Chancellor's and the Office the California State Fire Marshal as well as the National Fire Higher Education Committee.

Instructor: (Retired Fire Chief) Dr. Ray O. Shackelford

Office phone 310-287-4231- Located in General classroom building 3 td floor room 380 J

Office hours- 0700 to 0800 hours and 1100 to 1200 hours Monday and Wednesdays.

Appointments at other times and days by E-mail [1044056629@qq.com](mailto:1044056629@qq.com) arrangement.

Please do not set up an appointment and not show up.

**REQUIRED TEXT BOOK FOR THIS CLASS::**

Text book: Fire Investigation, Chandler, Russell K., Delmar 2009, ISBN-10-1-4180-0961:X

Available at the book store on campus.

Class Objectives: This class uses the most complete text book on the subject of fire fighting. Using this text book will provide coverage of the majority of the materials you will need as a fire fighter.

Student learning outcomes:

1. Define criminal law and explain the constitutional amendments (4th, 5th, 6th, 8th, 14th) as they apply to fire investigations.
2. Analyze the precedents set by constitutional law case studies that have affected fire investigations.
3. Define and explain the common terms used in fire investigations.
4. Describe the basic elements of fire dynamics and how they affect cause determination including fire behavior, characteristics of fuels and methods of heat transfer.

5. Analyze the relationship of building construction on fire investigations including types of construction, construction and finish materials.

6. Evaluate fire protection systems and building services and discuss how their installation affects the ignition of fires in buildings.

7. Discuss the basic principles of electricity.

8. Explain the role of the fire investigator in recognizing health and safety concerns including potential hazardous materials awareness.

9. Describe fire scene investigations and the process of conducting investigations using the scientific method. Explain how an investigator determines the point of origin in a room.

#### Assignments: EXERCISES

There are A total of 460 multiple choice questions found in the exercises that are used in this course each is valued at 1 point. They are based on all 23 chapters of the text book.

(open Feb.10 th, closes June 6th)

There is a mid-term with 75 multiple choice questions (75- points) (open Mar-27th, Close June-4 th), and a Final examination with (100) points all are multiple choice that review the major issues from the text chapters again. (open May 1st, close June-4 th.)

#### Discussion Questions

In addition, there are 5 written assignments that require (see questions and schedule under Discussion and private messages each respond to the 5 questions is worth up to 10 points.

They can be found under Discussion and private messages (questions) They are to be completed and returned per the schedule.

Assignment #1 is due:Mar-8th

Assignment #2 is due: april 5th

Assignment #3 is due: Apr-26th

Assignment #4 is due: May-17 th

Assignment #5 is due: June 4 th

#### Grading for this class

#### Total points possible

Exercises 460

Mid term 75

Final 100

Discussion assignments 50

TOTAL 685 POINTS

GRADING SCALE

685 TO 645 = A

644 TO 548 = B

547 TO 481 = C

480 TO 420 = D

409 AND BELOW = F

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