

CASPER COLLEGE COURSE SYLLABUS  
**Course Number and Title: FIRE 1500-01 Introduction to Fire Science**

**Semester/Year:** Fall 2015

**Lecture Hours:** 3

**Lab Hours:** 0

**Credit Hours:** 3

**Class Time:** 1:00-4:00 PM

**Days:** Tuesday

**Room:** EI 100

**Instructor's Name:** Dale Anderson

**Instructor's Contact  
Information:** EI 108

**Office Phone:** (307) 268-  
2361

**Email:** Anderson@caspercollege.edu

**Office Hours:** MTWTH 9:00 AM-12:00 PM

**Course Description:** A broad overview of fire service covering historical and modern fire protection services including department organization, equipment, extinguishing agents, tactics and detection systems.

**Statement of Prerequisites:** None

**Goal:** To give students an overview of the fire service, and to develop an understanding of the expanding role of the firefighter.

**Outcomes:**

Students will learn fire behavior, and different uses for firefighting equipment and how the roles of fire fighters are changing.

Students will understand the value of personal, civic and social responsibilities of a firefighter in their community.

Students will demonstrate effective oral communication during class presentations.

Students will use appropriate technology and information when researching the history of the fire service and taking quizzes through moodle.

Students will learn the importance of teamwork and why it is vital to success in the fire service.

**Course Objectives:**

Students will research the history of the fire service

Students will understand the importance of fire behavior when dealing with fire.

Students will use learn to select appropriate equipment in certain circumstances.

**Methodology:** This class will be presented in mostly lecture form, with some practical evolutions through the semester.

**Evaluation Criteria:** Your grades in this course will be based on exams, quizzes every night, written assignments, and participation in practical exercises.

ICS courses	50 points	90-100%	A
History Paper	50 points	80-89%	B
Quizzes	360 points	70-79%	C
Projects/Participation	200 points	60-69%	D
Final	<u>100 points</u>	Below 59%	F
	710 points		

**Casper College may collect samples of student work demonstrating achievement of the above outcomes. Any personally identifying information will be removed from student work.**

**Required Text, Readings, and Materials:** IFSTA Essentials of Firefighting 6<sup>th</sup> Edition

This is one of the books that Firefighter I and II are based on through out the country. You will be assigned reading in advance, and YOU ARE EXPECTED to complete the reading as assigned prior to meeting in the classroom.

Websites for certificates:

I-100 <http://training.nwccg.gov/online.html>

ICS-200 [fema.gov](http://fema.gov)

Weekly quizzes: moodle

**Class Policies: Last Date to Change to Audit Status or to Withdraw with a W Grade:**

See current Casper College catalog.

**Student Rights and Responsibilities:** Please refer to the Casper College Student Conduct and Judicial Code for information concerning your rights and responsibilities as a Casper College Student.

**Chain of Command:** If you have any problems with this class, you should first contact the instructor to attempt to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take the matter through the appropriate chain of command starting with the Department Head/Program Director, the Dean, and lastly the Vice President for Academic Affairs.

**Academic Dishonesty:** (Cheating & Plagiarism) Casper College demands intellectual honesty. Proven plagiarism or any form of dishonesty associated with the academic process can result in the offender failing the course in which the offense was committed or expulsion from school. See the Casper College Student Code of Conduct for more information on this topic.

**Official Means of Communication:** Casper College faculty and staff will employ the student's assigned Casper College email account as a primary method of communication. Students are responsible to check their account regularly. This is also, where you will find course evaluation links during course evaluation periods.

**ADA Accommodations Policy:** If you need academic accommodations because of a disability, please inform me as soon as possible. See me privately after class, or during my office hours. To request academic accommodations, students must first consult with the college's Disability Services Counselor located in the Gateway Building, Room 344, (307) 268-2557, [bheuer@caspercollege.edu](mailto:bheuer@caspercollege.edu). The Disability Services Counselor is responsible for reviewing documentation provided by students requesting accommodations, determining eligibility for accommodations, and helping students request and use appropriate accommodations.

**Calendar or schedule indicating course content:**

The following schedule is subject to change. Changes will be announced during lectures.

<i>Date</i>	<i>Topic</i>
Aug. 25	Introduction PPE, equipment handout
Sept. 1	Firefighter Safety, Fire Department Communications
Sept. 8	History of Fire Service Presentations
Sept. 15	Building Communication, Fire Behavior
Sept. 22	Ground Ladders
Sept. 26	Saturday Platte River Cleanup (8:30 AM-12:00 PM)
Oct. 6	Water Supply, Fire Hose
Oct. 13	Hose Loads
Oct. 20	Fire Streams
Oct. 27	
Oct. 28	Forcible Entry
Oct. 31	Saturday Practical 9:00 AM-4:00 PM (Drill Tower)
Nov. 3	Ropes and Knots
Nov. 10	Ventilation
Nov. 17	Fire control, control loss
Nov. 24	Rescue
Dec. 1	Final Review
Dec. 9	Final