

Course Outline

COURSE: JFT 120 **DIVISION:** 50 **ALSO LISTED AS:**

TERM EFFECTIVE: Spring 2014 **CURRICULUM APPROVAL DATE:** 10/28/2013

SHORT TITLE: DOZER BOSS S-232

LONG TITLE: Dozer Boss S-232

<u>Units</u>	<u>Number of Weeks</u>	<u>Type</u>	<u>Contact Hours/Week</u>	<u>Total Contact Hours</u>
.5	18	Lecture:	.22	3.96
		Lab:	.72	12.96
		Other:	0	0
		Total:	.94	16.92

COURSE DESCRIPTION:

This course is designed to meet the training needs of a Dozer Boss on an incident as outlined in the Wildland Fire Qualification System Guide. This course meets the minimum training, skills, knowledge, experience, for the participating agencies of the National Wildfire Coordinating Group. **PREREQUISITE:** Firefighter I or Equivalent.

PREREQUISITES:

COREQUISITES:

CREDIT STATUS: D - Credit - Degree Applicable

GRADING MODES

P - Pass/No Pass

REPEATABILITY: N - Course may not be repeated

SCHEDULE TYPES:

02 - Lecture and/or discussion

03 - Lecture/Laboratory

04 - Laboratory/Studio/Activity

STUDENT LEARNING OUTCOMES:

1. Given a dozer, operator, and a tactical assignment, the student will:
 Ensure that the dozer has been properly inspected and signed up.
 Ensure that the operator is qualified and properly signed up.

Determine the capabilities limitations of the dozer and operator to perform the assignment.

Measure: demonstration, written exam

PLO: 1

ILO: 1, 3, 2

GE-LO:

Year Assessed: 2013

2. Given tactical situations in which a dozer is assigned to complete an assignment, the student will:
Take the actions required of the dozer boss to safely and effectively complete the assignment.

Measure: demonstration, skills exam

PLO: 2

ILO: 2, 3, 1

GE-LO:

Year Assessed: 2013

CONTENT, STUDENT PERFORMANCE OBJECTIVES, OUT-OF-CLASS ASSIGNMENTS

Curriculum Approval Date: 10/28/2013

5 Hours

Content: Unit 1 - Preparation

I. Responsibilities of Dozer Boss, Logistics, and Finance

A. Responsibilities of the dozer boss.

B. Responsibility of the logistics section in regard to dozer contracting and use.

C. Responsibility of the finance/administration section in regard to dozer contracting and use.

II. Dozer Boss Responsibility for Equipment Sign Up

A. Pre-use inspection

B. Dozer walk around inspection

C. Equipment time recorder

III. Administrative Responsibilities

A. Vehicle Checklist/Safety Inspection Checklist

B. Emergency Equipment Rental Agreement

C. Emergency Equipment Shift Ticket

D. Crew Time Report

E. Emergency Equipment Use Invoice

IV. Operator Information

A. Experience

B. Fuel use per hour

C. Safety

V. Dozer Types and Transports

A. Dozer Types

B. Types of Transports

C. Dozer Typing Differences

VI. Alternative Industrial Machinery (AIM)

A. Motor Grader (Patrol or Blade)

B. Feller Buncher

C. Skidders/Skidgines

D. Excavator

E. Others

VII. Pre-Use Inspections

- A. Roll over protection structure
- B. Steering Controls
- C. Brakes
- D. Hydraulic System
- E. Hydraulic Tank
- F. Blade

VIII. Briefings

- A. Information needed from supervisor to effectively accomplish the assignment.
- B. Information the dozer boss needs to give the dozer operator.

IX. Safety

- A. Dozer Safety Checklist
- B. Situation Analysis Questions
- C. Dozer Entrapment Emergency Procedure (DEEP)
- D. Fatalities

Student Performance Objectives (SPO): Describe the responsibilities of the dozer boss, the logistics section, the finance/administration section, and the operations section in regard to dozer contracting and use.

Out-of-Class Assignments: Reading Assignment

5.5

Hours

Content: Unit 2 - Operations

I. Dozer Boss Responsibilities During Tactical

- A. Communication
- B. Situation awareness
- C. Safety
- D. Tactical Decision Making Skills
- E. Process
- F. Operator Point of View

II. Fuel Types and Dozer Tactics

- A. Working Different Regions
- B. Fuel Models Impact on Dozer Boss Decisions

III. Urban Interface Hazards

- A. Asphalt
- B. Underground Utilities
- C. Water
- D. Electricity
- E. Sewer/ Septic Tanks

IV. Special Considerations for Dozer Operations

- A. Designated Areas
- B. Private Property
- C. Cultural Areas
- D. Environmental
- E. Human-made Concerns

V. Minimum Impact Suppression Tactics (MIST)

- A. Suppress a wildfire with the least impact to the land
- B. Halt fire spread and contain a designated perimeter

VI. Tactical Uses of Dozers

A. Suppression

B. Logistical Support

VII. Emergency Rehabilitation

A. Natural Drainages

B. Treating disturbed Areas

C. Water Bars

VIII. Class Situation Analysis Questions and Exercises

Student Performance Objectives (SPO): Identify hazards of dozer use in the wildland/urban interface.

Out-of-Class Assignments: Reading Assignment

5.5 Hours

Content: Unit 3 - Field Exercise

I. Guidelines

A. Observe loading/unloading

B. Pre-use inspection

C. Daily walk-around check

D. Dozer Entrapment Emergency Procedure (DEEP)

II. Forms

A. Field Evaluation Forms

B. Walk Around Check Forms

C. OF-296 Forms

III. Final Exam

Student Performance Objectives (SPO): Given a set of guidelines, students will correctly perform the following task in a field exercise: Daily walk-around check and Dozer Entrapment Emergency Procedure (DEEP) demonstration.

METHODS OF INSTRUCTION:

Skills Demonstration, Lecture, Scenario Training

METHODS OF EVALUATION:

CATEGORY 1 - The types of writing assignments required:

Percent range of total grade: 10 % to 15 %

Other: Class exercises

If this is a degree applicable course, but substantial writing assignments are NOT appropriate, indicate reason.

Course primarily involves skill demonstration or problem solving

CATEGORY 2 - The problem-solving assignments required:

Percent range of total grade: 20 % to 30 %

Field Work

Exams

Other: Skills Exam

CATEGORY 3 - The types of skill demonstrations required:

Percent range of total grade: 50 % to 90 %

Class Performance/s

Field Work
Performance Exams

CATEGORY 4 - The types of objective examinations used in the course:

Percent range of total grade: 30 % to 50 %

Other: Skills Demonstration

REPRESENTATIVE TEXTBOOKS:

Required:

NFES, Dozer Boss Student Workbook, NFES, 2012, or other appropriate college level text.

Reading level of text, Grade: 12 Verified by: An-Yueng

Other textbooks or materials to be purchased by the student:

Fireline Handbook, PMS 410-1, NFES 0065

Fireline Handbook, Appendix B: Fire Behavior, NFES 2165

Position Task Book for Single Resource Boss, NFES 2318

Incident Response Pocket Guide, NFES 1077

ARTICULATION and CERTIFICATE INFORMATION

Associate Degree:

CSU GE:

IGETC:

CSU TRANSFER:

Transferable CSU, effective 201430

UC TRANSFER:

Not Transferable

SUPPLEMENTAL DATA:

Basic Skills: N

Classification: Y

Noncredit Category: Y

Cooperative Education:

Program Status: 2 Stand-alone

Special Class Status: N

CAN:

CAN Sequence:

CSU Crosswalk Course Department: JFT

CSU Crosswalk Course Number: 120

Prior to College Level: Y

Non Credit Enhanced Funding: N

Funding Agency Code: Y

In-Service: Y

Occupational Course: C

Maximum Hours: .5

Minimum Hours: .5

Course Control Number:

Sports/Physical Education Course: N

Taxonomy of Program: 213300