GAVILAN COLLEGE
5055 Santa Teresa Blvd
Gilroy, CA 95023

Course Outline

COURSE: JLE 159 DIVISION: 50 ALSO LISTED AS:

TERM EFFECTIVE: Summer 2020 CURRICULUM APPROVAL DATE: 06/09/2020

SHORT TITLE: TRAFFIC ADVANCED

LONG TITLE: Traffic Collision Investigation - Advanced

Units	Number of Weeks	Type	Contact Hours/Week	Total Contact Hours
2	18	Lecture:	1.33	23.94
		Lab:	3.1	55.8
		Other:	0	0
		Total:	4.43	79.74
		Total Learning Hrs:	127.62	

COURSE DESCRIPTION:

This course builds on the concepts learned in the basic and intermediate courses. The course examines in detail the human environmental and vehicle factors of a traffic collision. The concepts taught include: a review of algebra and physics, interviewing techniques, roadway and environmental factors, advanced methods for processing collision scenes and creating scale diagrams, vehicle damage assessments, lamp analysis, occupant restraints, basic vehicle dynamics and occupant kinematics. Determination of speed based on projectile motion, and methods of conducting time-distance studies. This is a pass/no pass course. PREREQUISITE: Basic POST Certificate or Equivalent. ADVISORY: JLE 150 Traffic Investigation

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:

By the end of this course, a student should:

1. Effectively evaluate the three factors of a collision event dictated by each collision event with complete measuring and diagramming.

2. Measure the roadway after an accident and determine through analysis of the data to make a report for court testimony and access and list information gained during a damage inspection, analyze different collision types and write inspection report. Including the Collision Investigation Report Procedures, Primary Collision Factors, Sketching , Collision Report Narrative, photography,

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

Curriculum Approval Date: 06/09/2020

I. Scene Management (20 hours)

a. Primary objectives of peace officers who respond to calls involving vehicle collision

b. Considerations upon arrival to a traffic collision scene

c. Introduction to the manual on Uniform Traffic Control Devices

d. Safety Hazards that officers should be aware of when approaching the scene

e. Key responsibilities of peace officers regarding vehicle collisions

II. Highway Definitions (4 hours)

Lab Content:

I. Nine Call Matrix (5 hours)

a. Elements of a traffic collision

b. Three phases of a collision

c. Three environments of a collision

II. Identification of Physical Evidence (4 hours)

a. Overview and importance of physical evidence

b. On Scene work

III. Measuring and Diagramming (16 hours)

a. Overview of "measuring and diagramming"

b. Vehicles, people, Debris, Fluids

c. Marking Mechanisms

d. Measurement Collection

IV. Northwestern Template (10 hours)

a. Scale

b. Radius

c. Vehicles/people

d. Calculating basic speed

V. Collision Investigation Report Procedures (20 hours)

a. Primary Collision Factors

b. Sketching

c. Collision Report Narrative

d. Photography

e. Interviewing Techniques

METHODS OF INSTRUCTION:

Skills Demonstration, Lecture, Learning Activities

OUT OF CLASS ASSIGNMENTS:

Required Outside Hours: 24

Assignment Description: Review Instructor Handouts on Scene Management, Collision Investigation Report Procedures

Required Outside Hours: 24

Assignment Description:

review the identification of physical evidence process including vehicle damage assessment, lamp analysis and occupant restraints

review scenarios to be completed in class

METHODS OF EVALUATION:

Writing assignments

Percent of total grade: 50.00 %

collision investigation report to be evaluated for completeness by the POST instructor

Problem-solving assignments

Percent of total grade: 50.00 %

Field Work; Diagramming, measuring at the mock collision scene, to be evaluated by POST instructor.

REPRESENTATIVE TEXTBOOKS:

Local Agency . Department Policy Traffic / Collision Guidlines . California : Local Agency ,2020.

Instructor Handouts

Reading Level of Text, Grade: 12

ARTICULATION and CERTIFICATE INFORMATION

Associate Degree:
CSU GE:
IGETC:
CSU TRANSFER:
Transferable CSU, effective 201450
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:
CSU Crosswalk Course Number:
Prior to College Level: Y
Non Credit Enhanced Funding: N
Funding Agency Code: Y
In-Service: N
Occupational Course: C
Maximum Hours:
Minimum Hours:
Course Control Number: CCC000555645
Sports/Physical Education Course: N
Taxonomy of Program: 210550