

SANTA CLARA COUNTY
TRAINING COURSE
Expanded Course Outline

Course: Drug Influence/11550 H&S Refresher (8 hour format)

Hours: 8

Objective: This course will provide peace officers with the skills and knowledge necessary to effectively identify the 8 drug classifications and the symptomology of each classification. This training includes developing the requisite knowledge to conduct field sobriety tests and correlate test results to a drug's physiology. Students will practice field tests and evaluating the science and symptoms of drug indicators.

- I. Class introduction
 - A. Instructor Introduction
 - B. Course Content Introduction
 - 1. Schedule
 - 2. Goals/Objectives
 - C. Introduction to D.A.R.
 - 1. Concise training for:
 - a. Patrol officers
 - b. Narcotics officers
 - 2. History of D.A.R.
 - a. In the 1970's, the LAPD developed the DRE program to help officers determine if someone was under the influence of a drug
 - b. The success of this program laid the foundation for a standardized way of conducting DUI and drug influence investigations
 - 3. In 1989, the Glendale Police Department began the Drug Abuse Recognition Project.
 - a. D.A.R. course took the 12 step DRE method and put it into 7 easy steps
 - b. The D.A.R. course took the 7 categories of drugs from DRE and made it into 8 drug categories
 - 4. The testing in both DRE and D.A.R. require a step by step process
 - a. Thorough- The 1st pulse may be important, but must be evaluated with the other two pulses that are required
 - b. Standardization - Everything is done exactly the same way every time.
 - c. Complete - Only after you have completed all of the steps should you attempt to determine which drug categories are present.
 - D. Introduction to drugs and their impact
 - 1. Definition - Any substance, which taken into the human body, can cause physical or mental impairment
 - a. Natural or synthetic

- b. Prescribed or not prescribed
- c. Abused or not abused
- d. Legal or illegal

2. Cost of an addiction

II. Introduction to D.A.R. Process

A. Essential elements of D.A.R.

- 1. Systematic approach conducted in exactly the same way, by every officer, for every suspect
- 2. Based on a complete set of signs & symptoms that are known reliable indicators of drug impairment

B. Assessment types

- 1. Pulse
- 2. Eyes
 - a. Horizontal Gaze Nystagmus
 - b. Vertical Nystagmus
 - c. Pupillary Comparison
 - d. Pupillary reaction to light stimuli
- 3. Balance - Romberg Stand
- 4. Divided attention - Romberg Stand

C. Equipment - Pupilometer

- 1. Components
- 2. Function

D. Toxicology tests

E. Legal standing for examination

- 1. Cannot refuse to submit to any portion of the examination
- 2. People vs. Sudduth, 65 cal. 2d543

III. Introduction to Drug Classifications

A. The Acronym - SHOCADID

B. Drug Classifications

- 1. CNS Stimulants
- 2. Hallucinogens

3. Opiates
4. Cannabis
5. Alcohol (also a depressant)
6. CNS Depressants
7. Inhalants
8. Dissociative Anesthetics

IV. The D.A.R. Examinations

A. Procedures for administration basics

1. Know the clues of interest in each exam
2. Conduct the exams and note clues of observations
3. Facilitate reporting writing by providing complete, clear and accurate record of exams

B. Pulse

1. Examination process
2. Symptoms assessed
3. Documenting results

C. Eyes - Horizontal Gaze Nystagmus (HGN) -

1. Examination process
2. Symptoms assessed
3. Documenting results

D. Eyes - Vertical Nystagmus (VGN)

1. Examination process
2. Symptoms assessed
3. Documenting results

E. Eyes - Pupillary Comparison

1. Examination process
2. Symptoms assessed
3. Documenting results

F. Eyes - Pupillary reaction to light stimuli

1. Examination process
2. Symptoms assessed

3. Documenting results
- G. Balance and divided attention- Romberg Stand
 1. Examination process
 2. Symptoms assessed for balance
 3. Symptoms assessed for divided attention
 4. Documenting results
- V. Physiology & Drugs
 - A. Systems Examined During the Evaluation
 1. Central Nervous System (CNS)
 2. Eyes
 3. Pulse
 4. Time perception/divided attention
 5. Balance & coordination
 - B. Physiology
 1. Definition -The study of the functions of living organisms and their parts
 2. Human body systems affected by drugs
 - a. Muscular system
 - b. Urinary system
 - c. Respiratory system
 - d. Digestive system
 - e. Endocrine system
 - f. Reproductive system
 - g. Skeletal system
 - h. Integumentary system
 - i. Nervous system
 - j. Circulatory system
 - C. Homeostasis
 - D. Physiological elements
 1. Nerves, neurons synapses, neurotransmitters
 - a. Components
 - b. Functions

2. Dopamine & Norepinephrine
 3. Endorphin
 4. Serotonin
 5. Gamma amino Butyric Acid
 6. Acetylcholine
 7. Types of Nerves
 - a. Motor nerves
 - b. Sensory nerves
 8. Vasoconstriction
 9. Piloerection
 10. Vasodilation
- E. Route of Administration
1. Oral-eating
 2. Insuffilation-snorting
 3. Smoking-inhalation
 4. Absorption-the patch
 5. Suppository-rectal
 6. Injection
- F. Drug Metabolism
1. Definition
 2. Factors affecting metabolism
- G. Drug Elimination
- H. Drug Tolerance
1. Tolerance physiologically drives addiction
 2. Elements affecting tolerance
- I. Medical Conditions That Cause Impairment
1. Diabetes
 2. Stroke
 3. Head Trauma
 4. Conjunctivitis
 5. Shock

6. Multiple Sclerosis & Similar conditions

VI. Drug classifications and recognizing abuse

A. CNS Stimulants

1. Types of drugs
2. Drug's onset and affect
3. D.A.R. Cornerstones – signs of abuse

B. Hallucinogens

1. Types of drugs
2. Drug's onset and affect
3. D.A.R. Cornerstones – signs of abuse

C. Opiates

1. Types of drugs
2. Drug's onset and affect
3. D.A.R. Cornerstones – signs of abuse

D. Cannabis

1. Types of drugs
2. Drug's onset and affect
3. D.A.R. Cornerstones – signs of abuse

E. Alcohol (also a depressant)

1. Types of drugs
2. Drug's onset and affect
3. D.A.R. Cornerstones – signs of abuse

F. CNS Depressants

1. Types of drugs
2. Drug's onset and affect
3. D.A.R. Cornerstones – signs of abuse

G. Inhalants

1. Types of drugs
2. Drug's onset and affect
3. D.A.R. Cornerstones – signs of abuse

H. Dissociative Anesthetics

1. Types of drugs
2. Drug's onset and affect
3. D.A.R. Cornerstones – signs of abuse

I. Stimulants

1. Types of drugs
2. Drug's onset and affect
3. D.A.R. Cornerstones – signs of abuse

Hourly Distribution

DAY 1	
Time	Content
0800-0930	Class introduction and Introduction to D.A.R. Process
0930-1200	Drug Classifications and D.A.R. Examinations
1200-1300	Lunch
1300-1500	Physiology & Drugs
1500-1700	Drug classifications and recognizing abuse