

## Motorcycle-Dual Purpose

### COURSE PURPOSE:

The purpose of this course is to assist the students in developing skills necessary to maintain proper balance and control, display acceptable level of confidence, foster good riding judgement, and utilize proper riding technique while operating a dual purpose enforcement motorcycle on paved roadways and off-road trails.

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### I. INTRODUCTION / OBJECTIVES

- A. Introduce program and instructors
  - 1. Staff and student introductions
  - 2. Safety protocols
  - 3. Legal issues
  - 4. Riding experience
- B. Expectations of students
  - 1. Explain outline of the program
  - 2. Requirements to pass program
- C. Performance Evaluations
  - 1. Scoring of Daily Evaluations Sheets
  - 2. Scoring of the Basic Skills Test Evaluation

### II. MOTORCYCLE AND EQUIPMENT INSPECTION

- A. Familiarization and inspection of personal safety equipment
  - 1. Identify wear and serviceability of personal safety equipment
- B. Inspection of motorcycle and related parts
  - 1. Identify wear and serviceability of motorcycle components
  - 2. Motorcycle maintenance

### **III. MOTORCYCLE FAMILIARIZATION**

- A. Motorcycle nomenclature
  - 1. Component identification
  - 2. Proper starting procedures
- B. Motorcycle Maintenance
  - 1. Identification and inspection of rider related items

### **IV. BASIC OPERATION SKILLS**

- A. Basic Operation
  - 1. Motorcycle lift and backing
  - 2. Synchronization of clutch and throttle
  - 3. Coordinate position of body head and eyes
- B. Defensive Riding
  - 1. Identifying potential hazards
  - 2. Speed assessment and surface appraisal
  - 3. Proper techniques to avoid or stop for potential hazards
- C. Incline Work
  - 1. Clutch and throttle control
  - 2. Head and eye positioning
- D. Pull Outs
  - 1. Foot positioning
  - 2. Clutch and throttle control
  - 3. Head and eye positioning
- E. Street Riding Techniques
  - 1. Lane positioning
  - 2. Proper following distance
  - 3. Proper braking

### **V. SLOW SPEED CONE PATTERNS ON AND OFF ROAD**

- A. Explanation and Demonstration
  - 1. Verbalize and demonstrate each exercise
  - 2. Explain concepts
- B. Smooth control and operation of the motorcycle
  - 1. Clutch and throttle control
  - 2. Head and eye coordination
  - 3. Body position

## VI. ON ROAD BRAKING

- A. Various braking conditions
  - 1. Sudden course changes while braking
  - 2. Surface Appraisal
- B. Proper ratio of front and rear brake application
  - 1. Explain proper application of front and rear brake
- C. Braking Demonstrations
  - 1. Combination braking
  - 2. Decelerate from 40 mph within 83 feet

## VII. OFF ROAD BRAKING

- A. Various braking conditions
  - 1. Sudden course changes while braking
  - 2. Braking on hilly and rocky terrain
- B. Surface Appraisal
  - 1. Proper ratio of front to rear braking
  - 2. Speed and terrain assessment
- C. Braking Demonstrations
  - 1. Combination braking
  - 2. Rear only braking

**VIII. CONE WEAVE**

- A. Collision Avoidance
  - 1. Explanation of proper counter-steering techniques
  - 2. Weave through seven coned gates, 36 feet apart, at 30 mph
- B. Hazard avoidance off road
  - 1. Speed and terrain assessment
  - 2. Head and eye placement

**IX. PROFICIENCY TEST**

- A. Skills Testing of Students
  - 1. Student must show smooth operation and control of the motorcycle while performing slow speed cone patterns both on and off road
  - 2. Student must show proficiency in the 40 mph braking exercise
  - 3. Students must show proficiency in the 30 mph cone weave exercise
- B. Skills testing of off road braking
  - 1. Student must show proficiency in braking on dirt surface
  - 2. Student must show proficiency in hazard avoidance while off road

**X. ON ROAD RIDING TECHNIQUES**

- A. Residential, Urban and Business Districts
  - 1. Proper lane position for maximum safety
  - 2. Identify potential hazards
  - 3. Proper following distance

B. Freeway Riding

1. Proper lane choice and lane position for maximum safety
2. Identify potential hazards
3. Proper following distance

C. Mountain and canyon roads

1. Proper lane position for maximum safety
2. Identify potential hazards
3. Proper head and eye position
4. Proper following distance

D. Riding in pairs and groups

1. Proper position
2. Shifting techniques
3. Lead rider
4. Proper following distance

**XI. ON ROAD TRAFFIC STOPS**

A. Simulated high and low risk traffic stops

1. To be conducted on campus at the Pitchess Detention Facility

B. Safety

1. Students will use simulated weapons (red guns) during these

exercises

C. Proper lane position and distance

1. Distance from traffic

2. Distance from vehicle
3. Observe subject

D. Proper vehicle approach

1. Right side approach
2. Left side approach
3. Helmet and gloves on
4. Proper dismount

E. Use of the motorcycle and other objects for cover

1. Emergency situations
2. Shooting techniques

F. Felony stops

1. Positioning
2. Cover and concealment
3. Policy and Procedures

## **XII. OFF ROAD RIDING TECHNIQUES**

A. Climbing and descending hills

1. Identify potential hazards
2. Riding position and body placement
3. Proper braking
4. Proper technique for picking up fallen motorcycle

B. Sand and soft dirt

1. Identify potential hazards
2. Riding position and body placement

3. Proper speed

### **XIII. OFF ROAD TRAFFIC STOPS**

- A. Safety

- 1.

Students will use simulated weapons (red guns) during the

exercise.

- B. Proper position and distance

1. Safe distance
2. Location awareness
3. Surface and terrain conditions

- C. Proper vehicle approach

1. Helmet and gloves on
2. Observe subject
3. Observe surroundings

- D. Use of the motorcycle and other objects for cover

1. Proper positioning

2. Cover and concealment
3. Lack of nearby back up

#### **XIV. PURSUITS**

- A. Limitations of dual-purpose motorcycles
  1. Engine size
  2. Speed ability
  3. Off road tires
  4. Visibility
- B. Department restrictions
  1. Policy and Procedures

#### **XV. COMMUNITY POLICING GOALS**

- A. Community policing techniques on a motorcycle
  1. Warning verses citation
  2. Educating public
  3. Legal riding locations
- B. Limitations of dual-purpose motorcycles for enforcement
  1. When appropriate to use dual purpose motorcycles

## **XVI. CROSS COUNTRY RIDES**

### A. Proper use of on and off road riding techniques

1. Head and eye positioning
2. Body positioning

### B. Proper use of lane position

1. City streets
2. Canyon and mountain roads

### C. Proper use of on and off road braking techniques

1. Proper technique for road conditions

### D. Proper following distances

1. Road surfaces

## **XVII. NIGHT TIME CONDITIONS RIDE**

### A, Difference between off road and on road

1. Speed
2. Following distances
3. Surface appraisal

### B. Safety equipment

1. Clear glasses
2. Flashlight

3. Headlight effectiveness

**XVIII. FIRING RANGE**

A. Location

1. Pitchess Detention Facility Multi-Purpose Range

B. Safety

1. All safety guidelines shall be explained to the students by range staff (Firearms Instructors).

2. All shooting exercises shall be conducted by Firearms Instructors.

C. The shooting exercise shall be a daytime live fire exercise covering the following areas.

1. Students will shoot at silhouette targets while using the motorcycle for cover. This will demonstrate the limitations of using the motorcycle as cover
2. Evaluate area for better cover. The students will utilize the immediate area to look for cover including laying the motorcycle down for additional cover.

D. Different shooting techniques:

1. Shooting at silhouette targets around the motorcycle
2. Shooting at silhouette targets over the motorcycle

