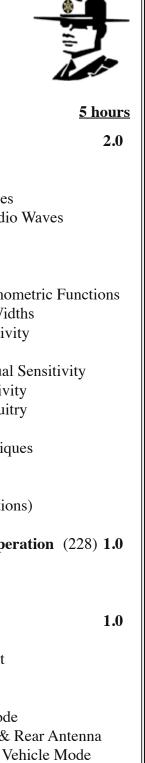
### **Police Traffic** RADAR & LIDAR

## Instructor Course Agenda by

### Law Enforcement Services, LLC revised 9-2025



Day 1	<u>08:00 - 12:00</u>	4 hours	<u>Day 1</u>	<u>13:00 - 17:00</u>	5 hours
Objectives, Handouts, & Testing .5			Radar	Basics (slide 145)	2.0
			4.1	Types of Radar	
Student Introductions .5		4.2	The Doppler Effect		
			4.3	Waves and Frequencies	
<b>The Speed Problem</b> (slide 26) 1.0		4.4	Characteristics of Radio Waves		
1.1	History		4.5	The Doppler Shift	
1.2	National Statistics		4.6	Police Traffic Radar	
1.3	NHTSA Statistics		4.7	The Radar Beam	
1.4	Recognition and Reaction Time		4.8	Understanding Trigonometric F	unctions
1.5	Braking and Total Stopping Dis	tance	4.9	Determining Beam Widths	
1.6	Velocity and Speed		4.10	Lines of Equal Sensitivity	
1.7	Momentum and Kinetic Energy		4.11	Inverse Square Law	
	(chapter review questions)		4.12	Contour Lines of Equal Sensitiv	ity
			4.13	Beam Range - Sensitivity	
-	Laws and Public Safety (slide	71) <b>1.0</b>	4.14	Automatic Gain Circuitry	
2.1	Basic Speed Law		4.15	Target Reflectivity	
2.2	Speed Limit Misconceptions		4.16	Range Control Techniques	
2.3	Speed Limits and Compliance		4.17	Doppler Audio	
2.4	85th Percentiles		4.18	Cosine Effect	
2.5	Public Safety			(chapter review questions)	
	(chapter review questions)				
			Installation, Testing and Operation (228) 1.0		
-	<b>Enforcement</b> (slide 94)	1.0	5.1	Installation	
3.1	Pacing		5.2	Testing	
3.2	Time-Distance				
3.3	Time-Distance Computers		Practi	ical Exercise	1.0
3.4	RADAR			Light Segment Test	
3.5	LIDAR			Internal Circuitry Test	
3.6	Estimating Distances			Tuning Fork Tests	
3.7	Estimating Speeds			Tuning Fork Mode	
3.8	Stopwatch Calibration Checks			Stationary Mode	
3.9	Distance Calibration Checks			Front & Rear An	
3.10	Speedometer Calibration Check	S		Faster Vehicle M	ode
3.11	Checking Radar with GPS			Moving Mode	
	(chapter review questions)			Front Opposite &	
				Rear Opposite &	Same
			Home Work 1.0		
				Review Chapters 1-5	
				(Read NHTSA pages 172-178)	
		page	1 of 3		

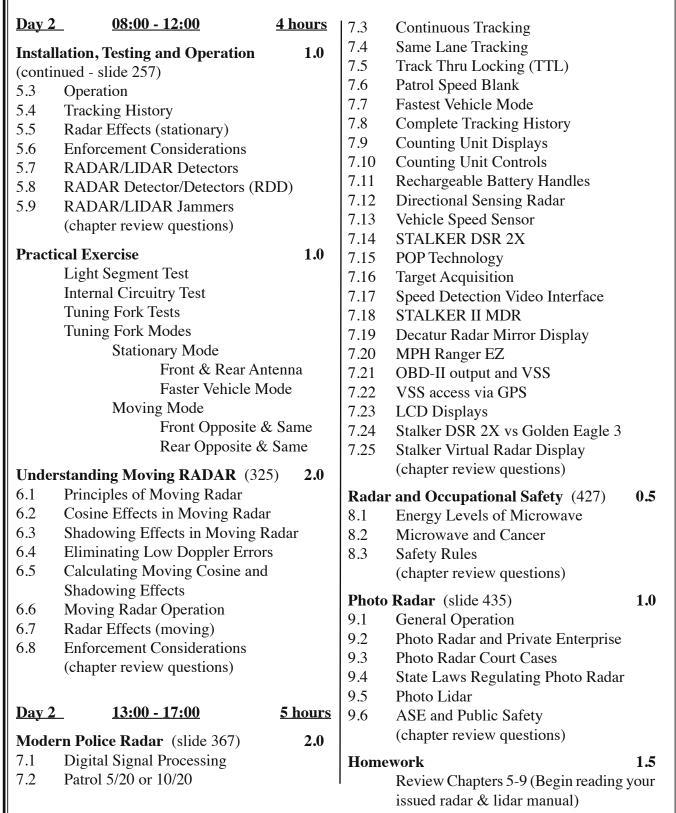
# Police Traffic RADAR & LIDAR

#### **Instructor Course Agenda**

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#### Law Enforcement Services, LLC

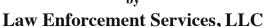
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