



SPOKANE COUNTY SHERIFF'S OFFICE
TRAINING ANNOUNCEMENT



Collision Reconstruction

DATE: September 9th – 27th, 2013 0800 – 1700

LOCATION: SCSO Training Center
10319 E. Appleway
Spokane Valley, WA 99260

COST: FREE*

DESCRIPTION:

Collision reconstruction is the effort to determine, from whatever information is available, how the collision occurred. Describing the events of the collision, in more or less detail, is the aim. This collision reconstruction course will provide the training necessary to reconstruct collisions through lecture and course material. The course also provides the required experience through real-world studies that the students must analyze. It will provide them the skill to find undetected facts in available information and the training that gives them the knowledge to deduce from these facts, the circumstances that will prove or disprove a theory of how a collision occurred.

TOPICS INCLUDE:

1. Equation Derivation
2. Newtonian Law
3. Airborne Scenarios
4. Human Factors
5. Momentum
6. Occupant Kinematics
7. Articulated Vehicles (heavy truck & motorcycle)
8. Crush & Energy Methods
9. Vehicle Testing
10. Case Studies

SUPPLIES STUDENTS NEED TO BRING:

1. Note-taking material
2. Graphing paper
3. Mechanical (drafting) pencil
4. Highlighter
5. Clipboard
6. Traffic template

7. Engineer's scale ruler
8. 360-degree protractor
9. Two 30-60-90 degree drafting triangles
10. Scientific calculator with trig functions
11. 25', 100', 300' measuring tapes (optional)
12. Camera (optional)

Although not required, students are *highly encouraged* to bring a TI-83, 84, 89, or Voyage 200 graphing calculator to the class. All students will be given a free TI Accident Equations program for their TI graphing calculator. In addition, students are also *highly encouraged* to bring their own or departmental laptop computer to the class. Like the TI equations program, all students will be given a free copy of an Excel Equation Calculator program. Both the TI and Excel programs will be used quite extensively during the course and allowed to be used on the final exam. Finally, all students will be given a data CD that has a lot of reference and training material on it.

*** COST:**

There is no cost for the course itself. Lodging/per diem expenses are the responsibility of the student and/or respective agency. Students must supply their own manual, Fundamentals of Traffic Crash Reconstruction, Volume 2 of the Traffic Crash Reconstruction Series, by Daily, Shigemura, and Daily. Cost is \$75 plus tax at www.iptm.org.

PREREQUISITE:

Students who attend this class should have approximately 5 years worth of experience investigating collisions. Students also need to have completed the Technical Collision Investigation course or its equivalent. Exceptions can be granted on a case-by-case basis with the lead instructor.

CLASS SIZE: 16 students

REGISTRATION:

To register, please complete the attached SCSO Registration form and send to Deputy John Oliphant by fax (509) 477-6975 or email, jroliphant@spokanesherriff.org.

You may also contact him with any questions and for a list of lodging recommendations.



Spokane County Sheriff's Office – Training Unit

GENERAL COURSE APPLICATION

1. GENERAL INFORMATION		
Applicant's Name: (Last) (First) (Middle)		
Title/Rank:	Applicant's Personnel Number:	<input type="checkbox"/> Male <input type="checkbox"/> Female
Primary Duty Assignment:		Agency:
Agency Phone:	Agency Fax:	Applicant's Agency E-Mail Address: @
Agency Mailing Address: (Street or PO Box) (City) (Zip)		
IF THIS APPLICANT REQUIRES SPECIAL CLASSROOM ACCOMODATION, PLEASE MAKE REQUEST ON A SEPARATE SHEET AND ATTACH TO THIS APPLICATION.		
2. COURSE INFORMATION		
Course Title:		Location of Course:
Course Dates:		
3. MANDATORY-MUST BE COMPLETED TO BE CONSIDERED FOR SELECTION		
In determining eligibility of this applicant , the Spokane County Sheriff's Office will consider any special need or purpose which the applicant or his/her agency may have regarding the requested course or training. Comments: _____ _____		
4. TRAINING COORDINATOR EMAIL ADDRESS (MANDATORY!) →	@	Confirmation is sent via email, please make sure this section is complete.
5. AUTHORIZATION		
Agency Representative Authorizing Attendance: Name Signature	Title Date	
Return completed application form to: Deputy John Oliphant by email, jroliphant@spokanesherriff.org or fax (509) 477-6975. For more information regarding the application process, please call (509) 477-3211.		

<u>SCSO USE ONLY</u>	
Confirmation Notice Sent? <input type="checkbox"/>	Date: _____
Cancellation Notice Sent? <input type="checkbox"/>	Date: _____
Paid? <input type="checkbox"/>	Check #: _____ Date Received: _____
Did the Student Withdraw? Yes <input type="checkbox"/>	Date: _____
Check Returned? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Date: _____
Comments:	