

Traffic Accident Reconstruction

Course by WeCARE and hosted by Tracy Police Department

POST Course Control No. 1122-33672-18-001



Student Case Studies



DESCRIPTION

- ◆ Speed of vehicles at impact using conservation of linear momentum
- ◆ Integration of EDR / airbag control module data
- ◆ Trigonometry in Crash Reconstruction
- ◆ Energy and damage calculations & application of Delta-V
- ◆ Occupant kinetics: Who was driving
- ◆ Time-distance and basic motion calculations
- ◆ Projectile motion calculations
- ◆ Determine direction of travel, initial contact and maximum engagement
- ◆ Calculate POST impact speed using spin analysis
- ◆ Behavior of vehicles in a crash using Newton's laws of motion
- ◆ Motorcycles: Braking capabilities, rider vault & speed from damage
- ◆ Heavy trucks: Braking capabilities, roll-over problems & speed estimates
- ◆ Driver perception & response time (PRT)

PREREQUISITE

Successful completion of *Advanced Accident Investigation* or similar class. Students should have a good working knowledge of basic algebra.

INSTRUCTOR: Rudy Degger, ACTAR

STUDENTS ARE ENCOURAGED TO BRING A LAPTOP COMPUTER.

DATE: December 3 - 14, 2018 (80 hour class)

TIME: Monday through Friday 8:00 a.m. - 5:00 p.m.

LOCATION: Tracy Police Department

1000 Civic Center Drive
Tracy, CA 95376

POLICE DEPARTMENT CONTACTS:

(NOT FOR REGISTRATION)

Primary contact:

Sergeant Craig Kootstra
Craig.Kootstra@TracyPD.com
VM: 209.831.6637

Secondary contact:

Corporal Ed Gilmore
Ed.Gilmore@TracyPD.com
VM: 209.831.6512

Hotels

Hampton Inn

2400 Naglee Rd, Tracy, CA 95304 209.833.0483
www.hilton.com/Hampton_Inn/Tracy

Fairfield Inn

2410 Naglee Rd, Tracy, CA 95376 209.833.0135
http://www.marriott.com/hotels/travel/scksf-fairfield-inn-tracy

TO REGISTER:

Complete the attached registration form. Fax, mail or Email it along with your payment payable to We.C.A.R.E.

FAX: 530-836-1673

Phone: 530-836-1654

Email: wecare4recon@gmail.com

TUITION - Payable to WeCARE

\$850.00 paid on or before 10/19/2018

\$900.00 paid after 10/19/2018

\$950.00 paid after 11/16/2018

Checks payable to WeCARE, MC, VISA, AMEX accepted.

No refunds after 11/2/2018



WeCARE

West Coast Accident Reconstruction
Equipment & Education
WeCARE is a POST provider

PO Box 1647

Graeagle, CA 96103

B: (877) 944-5903 F: (530) 836-1673

WeCARE4Recon@gmail.com

www.rudydegger.com

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Registration Form for December 3 - 14, 2018

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How To register:

- 1) Please use one registration form per student. Please print or type COMPLETE information.
- 2) Payments may be combined for more than one student per department.
- 3) Early registration and payment deadline is 10/19/2018
- 4) If paying by P.O. or Credit Card, **FAX** or **Email** this form with your P.O. or credit card information to We.C.A.R.E. Fax: **530-836-1673** Email: **wecare4recon@gmail.com**
- 5) If paying by check, mail this form along with your payment (payable to WeCARE) to **WeCARE, PO Box 1647, Graeagle, CA 96103.**

STUDENT IS STRONGLY ENCOURAGED TO BRING A LAPTOP COMPUTER. POWERPOINT & HANDOUTS ARE PROVIDED AS PDF FILES ON A THUMB DRIVE. THE LAPTOP SHOULD HAVE MICROSOFT EXCEL INSTALLED. BASIC INSTRUCTION FOR BUILDING & USING SPREADSHEETS TO MAKE CALCULATIONS IN-CLASS, IS A PART OF THE COURSE CURRICULUM.

STUDENT INFORMATION:

Student Name: _____

POST ID #: _____

Department: _____

Contact Phone: _____

Student E-mail: _____

Training Manager E-mail: _____

Registration Options:

\$850.00 paid before 10/19/2018

\$900.00 paid after 10/19/2018

\$950.00 paid after 11/16/2018

We will **not** cash checks
or run credit cards until
11/16/2018

PAYMENT METHOD: Check # _____ PO # _____

Credit Card..... VISA MC AMEX

Card # _____ Exp. Date: _____ Security Code _____

Email Receipt To: _____

Name on Credit Card: _____ Contact Phone: _____

Credit Card Billing Address: _____ Zip: _____