This course will teach you how to recognize and interpret traffic crash evidence as it relates to occupant seating positions. We will show you how to determine the occupant movement from the crash damage and the subsequent injuries that resulted.

We will illustrate the basics of occupant movement and teach you how to ascertain the direction of movement during a collision. You will learn how to determine occupant seating positions and safety belt usage and we will examine the significance of airbag and other restraint deployments.

We'll show you how to read the medical records that can be obtained with a warrant as well as autopsy reports of the injuries sustained by the vehicle’s occupants so you can understand how they relate to the investigation. When correlated with the vehicle damage, these reports can provide further evidence of occupant positions and movement.

Actual crashes will be used as case studies to allow you to put the theories into practice. This course is designed for traffic crash investigators who have a good working knowledge of the techniques and applications of formulas taught in basic crash investigation courses.

Topics include:
- Calculation of PDOF
- Occupant movement
- Types of injury - contact and non-contact
- Injury forces
- Vehicle interior examination
- Injury terminology
- Occupant protection systems
- Reading medical and autopsy records
- Calculation of delta V

Note: You should bring a scientific calculator and a traffic template to class.

Prerequisite: You must have completed, at a minimum, IPTM’s Traffic Crash Reconstruction course or its equivalent.

Audience: Law enforcement and private traffic crash investigators, claims adjusters, engineers, attorneys, safety officers, military investigative personnel, animators and graphic designers

Course Fee: $825