



# Advanced Crash Zone

## (40 Hours)

This course will further enhance the diagramming abilities of those who currently use the Crash Zone software.

During the class, you will be presented with the 3-D (three dimensional) aspects of measurement and drawing. Since 3-D illustrations in the day-to-day analysis of crash and crime scenes are now widely accepted, exercises will be designed to promote 3-D thinking. Animation will also be explored and you will have the opportunity to create animations in the classroom.

Inasmuch as demonstrative evidence such as diagrams and presentations must meet certain requirements to be accepted in court, instructors will discuss their courtroom experiences and provide suggestions for presentation methods. You will be given the opportunity to perform the presentation of diagrams in multimedia formats.

Topics will be instructed by lecture, visual demonstration, the use of classroom projects and other assignments. In addition to a discussion about problem areas that are typically experienced and encountered, you will be presented with new ideas and concepts as well as the latest software developments.

### Topics include:

- Review of basic program functions
- Review of triangulation, baseline and reference points
- General and 3-D mapping
- Advanced command functions, measurement systems and coordinate systems XYZ
- Advanced 3-D drawing

- Creating 3-D roofs, roadways, structures and objects
- Determining line-of-sight with 3-D
- Placing evidence on walls for viewing in 3-D
- Manual and automated placement of doors and windows
- Slope measurements manual and automated calculations
- Camera views in depth discussion and practice
- Animation 2-D and 3-D
- Court acceptance of diagrams and presentations
- Downloading data from various devices (troubleshooting)
- Creating maps from raw data (manual input)
- Vehicle damage in 3-D

**Prerequisites:** You should have completed, at a minimum, a 40-hour *Crash Zone* or *Crime Zone* course as well as a basic crash investigation, crime scene investigation, fire scene investigation or forensic mapping course and have basic math skills. You should have a good working knowledge of the *Crash Zone* or *Crime Zone* software, be proficient in the basic commands and have a good understanding of the MS Windows operating system, computer file management, mouse and keyboard.

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

**Course Fee:** \$825\*

**\* Due to very limited seating, a \$250 non-refundable deposit is required in order to register for IPTM's Advanced Crash Zone course. Payment or purchase order must be submitted with registration.**

### COURSE FEE

The course fee includes tuition, a student reference manual and study materials. We accept checks, cash, agency purchase orders and credit cards. Credit card payments may be made online using your Visa, MasterCard, Discover or American Express card.

### REGISTRATION

Register online at [www.iptm.org](http://www.iptm.org). A minimum number of registrations must be received for a class to run as scheduled. When the minimum criterion has been met, written confirmation will be mailed, faxed, or emailed to you.

**Please do not make airline reservations until you receive written notification confirming that the course will run as scheduled.**

### REFUND POLICY

A 10% administrative fee will be assessed to all refunds. In lieu of a refund, student substitutions can be made or a credit can be issued for a future course.

### TRANSPORTATION AND LODGING

Most locations are served by several major airlines. Ground transportation, food and lodging are the responsibility of the student. However, hotels in the listed areas offer a special rate to IPTM program participants. For more information, please visit our website at [www.iptm.org](http://www.iptm.org) or call us at (904) 620-IPTM.

### CONTINUING EDUCATION CREDITS

Continuing Education Units (CEUs) are available through IPTM. Please call us at (904) 620-IPTM for details.

**To register for this course online, please visit our website at:**

**[www.iptm.org](http://www.iptm.org)**

# Institute of Police Technology and Management University of North Florida

## Registration Form

(Please type or print)

NAME \_\_\_\_\_ SS# \_\_\_\_\_

ORGANIZATION \_\_\_\_\_ TITLE \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TELEPHONE \_\_\_\_\_ FAX \_\_\_\_\_

E-MAIL \_\_\_\_\_

Course Title: \_\_\_\_\_

Course Fee\*: \_\_\_\_\_

*\* Due to very limited seating, a \$250 non-refundable deposit is required in order to register for computer software or digital photography courses. Payment or purchase order must be submitted with registration.*

*For online courses, full payment must be received at least one week prior to the first day of class.*

*Please indicate the dates and location of the course for which you are registering:*

Course Dates: \_\_\_\_\_

Course Location: \_\_\_\_\_

**Please do not make  
airline reservations until you receive  
written notification confirming that the  
course will run as scheduled.**

**You can also register online at: [www.iptm.org](http://www.iptm.org)**

### Authorizing/Registering Official

*Americans with Disabilities Act Program Accessibility: Individuals who require reasonable accommodation in order to participate must notify the registrar at (904) 620-IPTM at least five working days prior to the class.*

NAME \_\_\_\_\_ TITLE \_\_\_\_\_

REGISTERING PERSON'S E-MAIL \_\_\_\_\_

PURCHASE ORDER NUMBER \_\_\_\_\_ [ ] FEE ENCLOSED

*Make checks payable to: Institute of Police Technology and Management*

[ ] SEND INVOICE TO \_\_\_\_\_

**REFUND POLICY:** Effective January 1, 2012, a 10% administrative fee will be assessed to all refunds. In lieu of a refund, student substitutions can be made or a credit can be issued for a future course.



#### Return to:

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Phone: (904) 620-IPTM • Fax: (904) 620-2453 • website: [www.iptm.org](http://www.iptm.org)