

INSTITUTE OF POLICE TECHNOLOGY AND MANAGEMENT  
UNIVERSITY OF NORTH FLORIDA

COURSE TITLE: ENERGY METHODS AND DAMAGE ANALYSIS IN TRAFFIC CRASH RECONSTRUCTION

CONDUCTED AT: MERIDEN, CONNECTICUT

DATE: TO BE SET

COURSE SCHEDULE

A.M.	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8:30	COURSE INTRODUCTION, REGISTRATION AND ORIENTATION	SPEED ANALYSES USING ENERGY TECHNIQUES	CRUSH MEASURING PROTOCOL AND MEASURING TECHNIQUES	BALANCING COLLISION FORCES	POLE IMPACTS AND FRACTURE ENERGY
9:20					
9:30	SELECTED MATHEMATICAL TOPICS	UNDERSTANDING EBS AND $\Delta V$	UNDERSTANDING AND DETERMINING STIFFNESS COEFFICIENTS	OUTDOOR PROJECT: DAMAGE ANALYSIS AND MEASURING	USING SIMULTANEOUS EQUATIONS TO SOLVE IN-LINE COLLISIONS
10:20					
10:30					
11:20	VECTORS	INTRODUCTION TO CRUSH AND HOOKE'S LAW	DAMAGE (CRUSH) COLLISION ANALYSIS		
12:30					
P.M.	≅ ≅ ≅	≅ ≅ ≅	LUNCH	≅ ≅ ≅	≅ ≅ ≅
1:30	ENERGY CONCEPTS AND ANALYSIS	COLLISION ANALYSIS USING DAMAGE MOMENTUM	DAMAGE (CRUSH) COLLISION ANALYSIS - CONTINUED -	SELECTED IN-CLASS PROJECTS AND EXERCISES	FINAL EXAM, COURSE EVALUATION AND CLOSING
2:20					
2:30					
3:20					
3:30					
4:30					