

Course Objectives/Course Outline
Spokane Community College

Course Title: Scene Reconstruction

Prefix and Course Number: CJ 109

Course Learning Outcomes:

By the end of this course, a student should be able to:

- Learn how to assess a scene, identify the type of measurements and diagram needed, locate key measurement points.
- Operate standard and computer based measuring equipment.
- Demonstrate how to diagram standard and 3D scenes from measurements.
- Learn how scene diagrams aid collision and crime investigations.
- Objectives of Scene Diagramming
- Produce standard and 3D diagrams of scenes
- Aid investigative effort
- Provide court exhibits

Standard Measuring Techniques

- I. Scene assessment
- II. Scene protocol
- III. Scene integrity
- IV. Measuring sequence in scene investigation
- V. Triangulation
- VI. Measuring from fixed objects
- VII. Use of pace measuring
- VIII. Use of tape measuring
- IX. Hand drawings
- X. Drawing scale and orientation

Computer Aided Measuring Techniques

- I. Evolution from standard techniques to data techniques
- II. Total Stations and other surveying equipment
- III. Interfacing with computer drawing software
- IV. Equipment familiarization and set-up
- V. Equipment care and maintenance
- VI. Equipment repair
- VII. Field use of equipment
- VIII. Capturing /transferring data

Software Drawing Application

- I. CAD Zone drawing software
- II. Entering or importing measurement data
- III. 2D and 3D drawings
- IV. Outdoor scenes
- V. Indoor scenes
- VI. Overall views
- VII. Arial views
- VIII. Expanded views
- IX. Locating evidence
- X. Scene clutter
- XI. Software tools
- XII. Rotating and moving symbols

XIII. Evidence location and attitude

XIV. Finalizing the drawing

Diagram Use

I. Enhancing rough sketches

II. Sketches versus computer drawings

III. Diagramming and investigation

IV. Court exhibits

V. Scene diagrams as evidence

Technical Education Component

I. Practical Exercise

II. Scene set-up

III. Investigative Teams

IV. Cross checking techniques and equipment

V. Assigning roles and tasks

VI. Receiving briefing for key measurement points

VII. Choosing the method

VIII. Environmental considerations

IX. Perishable evidence considerations

X. Temporal considerations

XI. Completed drawings

XII. Team and product assessment

XIII. Debriefing

Ethics

XIV. Conducting investigations and preparing drawing using ethical guidelines.

Community Policing

XVI. Sensitivity in working scenes regarding victims and witnesses.