

**Course Objectives/Course Outline**  
**Spokane Community College**

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**Course Title:** Scene Reconstruction

**Prefix and Course Number:** CJ 104

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**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.