

## Course Competencies Template - Form 112

GENERAL INFORMATION			
Name: Gabriel A. Hernandez and Samantha Lewis	Phone #: 305-237-8072		
Course Prefix/Number: CJT - 1110	Course Title: Crime Scene Technology I		
Number of Credits: 3			
Degree Type:	<input type="checkbox"/> B.A. <input type="checkbox"/> B.S. <input type="checkbox"/> B.A.S <input checked="" type="checkbox"/> A.A. <input checked="" type="checkbox"/> A.S. <input type="checkbox"/> A.A.S. <input type="checkbox"/> C.C.C. <input type="checkbox"/> A.T.C. <input type="checkbox"/> C.T.C.(V.C.C.)		
Date Submitted/Revised:	Effective Year/Term: 2009-1		
<input checked="" type="checkbox"/> New Course Competency <input type="checkbox"/> Revised Course Competency			
Course to be designated as a General Education course (part of the 36 hours of A.A. Gen. Ed. coursework): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
The above course links to the following Learning Outcomes: <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <input checked="" type="checkbox"/> Communication  <input checked="" type="checkbox"/> Numbers / Data  <input checked="" type="checkbox"/> Critical thinking  <input checked="" type="checkbox"/> Information Literacy  <input type="checkbox"/> Cultural / Global Perspective               </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Social Responsibility  <input type="checkbox"/> Ethical Issues  <input checked="" type="checkbox"/> Computer / Technology Usage  <input type="checkbox"/> Aesthetic / Creative Activities  <input type="checkbox"/> Environmental Responsibility               </td> </tr> </table>		<input checked="" type="checkbox"/> Communication <input checked="" type="checkbox"/> Numbers / Data <input checked="" type="checkbox"/> Critical thinking <input checked="" type="checkbox"/> Information Literacy <input type="checkbox"/> Cultural / Global Perspective	<input type="checkbox"/> Social Responsibility <input type="checkbox"/> Ethical Issues <input checked="" type="checkbox"/> Computer / Technology Usage <input type="checkbox"/> Aesthetic / Creative Activities <input type="checkbox"/> Environmental Responsibility
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Course Description (limit to 50 words or less, <b>must correspond with course description on Form 102</b> ):  This is an introductory course in Crime Scene Technology. Students will learn the techniques, materials and instrumentation used in securing, searching, recording, collecting, and examining physical evidence. There will be a special emphasis on the tools, instruments, and techniques used in the studies of crime scene reconstruction, fingerprints, firearms, tool marks, and blood stain pattern analysis. (3 hr. lect.)			
Prerequisite(s): None	Co requisite(s): None		

**Course Competencies:** (for further instruction/guidelines go to: <http://www.mdc.edu/asa/curriculum.asp>)

Competency 1: The student will demonstrate knowledge of crime scene investigation and forensic science by:

1. Discussing the major contributors to the development of forensic science.
2. Describing the services of a crime laboratory.
3. Explaining the role and responsibilities of the expert witness.

Competency 2: The student will demonstrate knowledge of procedures with securing and searching a crime scene by:

1. Identifying the responsibilities of the responding officer.
2. Describing the proper procedures for conducting a systematic search of crime scenes.
3. Documenting initial observations and evidence collected.

Competency 3: The student will demonstrate techniques used to record the crime scene by:

1. Describing the proper format and content of crime scene notes.
2. Reviewing the basic features of film and digital photography.
3. Creating a rough and finished crime scene sketch.

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Approved By Academic Dean Date: \_\_\_\_\_

Reviewed By Director of Academic Programs Date: \_\_\_\_\_

Competency 4: The student will demonstrate the techniques used to collect crime scene evidence by:

1. Reviewing the physical evidence encountered at crime scenes.
2. Illustrating the proper collection and packaging of physical evidence.
3. Describing chain of custody.

Competency 5: The student will define physical evidence and evaluation instruments by:

1. Defining individual and class characteristics.
2. Listing computerized databases of crime scene evidence.
3. Identifying the contributions of crime scene professionals.

Competency 6: The student will demonstrate knowledge of crime scene reconstruction by:

1. Identifying the processes of deductive reasoning, inductive reasoning, and falsifiability and how these processes are used in reconstruction.
2. Describing crime scene reconstruction techniques.
3. Reviewing the roles of evidence and re-enactments in crime scene reconstruction.

Competency 7: The student will demonstrate knowledge of fingerprint collection techniques by:

1. Describing automated fingerprint identification systems.
2. Listing the techniques and materials needed for developing latent fingerprints.
3. Describing the procedures for preserving a developed latent fingerprint.

Competency 8: The student will demonstrate knowledge of firearm evidence by:

1. Describing ballistics analysis: i.e. trajectory, striation, caliber, etc.
2. Explaining firearms database systems.
3. Listing procedures for the collection and preservation of firearm evidence.

Competency 9: The student will demonstrate knowledge of tool mark and impression evidence by:

1. Comparing different tools to tool marks.
2. Characterizing impressions.
3. Identifying field reagents to enhance tool marks and impressions.

Competency 10: The student will demonstrate knowledge of bloodstain pattern analysis by:

1. Calculating the angle of impact of a bloodstain using its dimensions.
2. Distinguishing among the classifications of low, medium, and high velocity impact spatter.
3. Explaining how these classifications are used.
4. Determining the area of convergence and area of origin for impact spatter patterns.

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