FIU Department of Chemistry and Biochemistry
CHS 3501 Survey of Forensic Science - Spring 2006

Prof.: Dr. Ken Furton Ken.Furton@fiu.edu Ofc: ECS447, Tel#: FIU-6546 Lab: CP345
Tues. & Thurs. 11:00AM-12:15PM CP115; Office Hours: Tues. & Thurs. ECS 447
Required textbook: Criminalistics: An Introduction to Forensic Science 8th Ed. by Richard Saferstein

Pre-requisites: There are no pre-requisites required for this course.

Objectives of the Course: This is a survey course introducing the principles and techniques of forensic science as they pertain to crime scene investigation and crime laboratory analysis. It is designed to be accessible to those without a science background, but at the same time will provide a well-rounded introduction to forensic science for those considering further studies in the field.

Tentative Schedule (updates at www.furton.org)

<table>
<thead>
<tr>
<th>Date</th>
<th>Subject</th>
<th>Homework due dates</th>
<th>“Criminalistics”, 8th ed. Chapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/10</td>
<td>Introduction</td>
<td></td>
<td>Chp. 1</td>
</tr>
<tr>
<td>1/12</td>
<td>The Crime Scene</td>
<td></td>
<td>Chp. 2</td>
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<tr>
<td>1/17</td>
<td>Physical Evidence</td>
<td></td>
<td>Chp. 3</td>
</tr>
<tr>
<td>1/19</td>
<td>Forensic Serology</td>
<td>Homework 1 due</td>
<td>Chp. 12</td>
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<tr>
<td>1/24</td>
<td>Forensic Serology</td>
<td>Homework 2 due</td>
<td>Chp. 12</td>
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<tr>
<td>1/26</td>
<td>The Microscope</td>
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<td>Chp. 7</td>
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<td>1/31</td>
<td>Hairs, Fibers, and Paint</td>
<td>Homework 3 due</td>
<td>Chp. 8</td>
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<tr>
<td>2/2</td>
<td>Hairs, Fibers, and Paint</td>
<td></td>
<td>Chp. 8</td>
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<tr>
<td>2/7</td>
<td>Fingerprints</td>
<td></td>
<td>Chp. 14</td>
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<tr>
<td>2/9</td>
<td>Fingerprints</td>
<td></td>
<td>Chp. 14</td>
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<tr>
<td>2/14</td>
<td>Drugs</td>
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<td>Chp. 9</td>
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<td>2/16</td>
<td>EXAM 1</td>
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<td>2/21</td>
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<td>2/23</td>
<td>Forensic Toxicology</td>
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<td>Guest Lecturer: Dr. Alberto Sabucedo Chp. 10 (Cont. if needed)</td>
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<td>2/28</td>
<td>Forensic Osteology</td>
<td>Homework 6 due</td>
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<tr>
<td>3/2</td>
<td>Document and Voice Examination</td>
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<td>Guest Lecturer: Dr. Robert George Chp. 16</td>
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<tr>
<td>3/7</td>
<td>Physical Properties: Glass and Soil Organic Analysis</td>
<td>Homework 7 due</td>
<td>Chp. 4</td>
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<tr>
<td>3/9</td>
<td>Physical Properties: Glass and Soil Organic Analysis</td>
<td>Homework 7 due</td>
<td>Chp. 4 <em>Drop deadline 3/13/06</em></td>
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<td>EXAM 2</td>
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<td>3/21</td>
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<td>3/28</td>
<td>Firearms, Tool Marks</td>
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<td>3/30</td>
<td>Arson and Explosives</td>
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<td>DNA Analysis</td>
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<td>4/18</td>
<td>Misc. Topics</td>
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<td>The Future</td>
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<td>Chp. 18</td>
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Grades are determined from total points converted to a letter grade based on the class curve as follows:

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<th>#</th>
<th>Points each</th>
<th>Drop lowest?</th>
<th>Max. points</th>
<th>% towards grade</th>
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<td></td>
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<td>675</td>
<td>100%</td>
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