Fall 2015

CHEM 1110

Skip Gallagher

University of New Orleans

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An Introduction to Forensic Science
Chem 1110 TTh 12:30-1:45
Fall 2015

Instructor: Dr. Skip Gallagher
Office: CSB 108
E-mail: Gallagher.dr@gmail.com (Must include “1110” in subject line)
Description: Chemistry 1110 is a course in the fundamentals of forensic science we will learn about the science behind crime scene investigation by studying chemical and biological techniques used in the analysis of physical evidence. Specific coverage will include blood detection and identification, DNA, fingerprinting, hair and fibers analysis, drug identification, explosive residues, gunshot residues and ballistics.

Student Learning Objectives

A broad practical knowledge of science and reasoning techniques used to solve daily problems. Students should understand the physical and chemical tests which allow us to identify paint, glass, fiber, hair, drug, poison, gunshot residue and blood samples for the purpose of crime scene investigation.

Grading and Exam Schedule (400 Points Total)

- Exam 1 (100pts) – Thursday, 24 September
- Exam 2 (100pts) – Thursday, 29 October
- Final Exam (150pts) – Thursday, 10 December, 12:30-2:30pm

Homework and Quizzes – (50 pts)

Calculators which can display text (the entire alphabet) will not be allowed during an exam. If you have any doubts about your calculator please ask me prior to the exam. Using a text calculator during a quiz or an exam will be considered cheating and the student will receive at a minimum a zero for the assignment.

The Final Exam is cumulative. The class will be graded on a 10 point scale, 90-100 = A, 80-89 = B, ...

Note: There will be NO make-up exams given for any reason. For those with excused absences the average of all exams (this includes the Final) will be substituted for the missed exam. Please notify me prior to missing any exam if at all possible.

Homework

These assignments have yet to be determined but will most certainly include short papers on specific subjects. Late homework assignments may be accepted with a suitable reason within 24 hours of the due date and will be graded out of 50% of the assigned value. Assignments turned in more than 24 hours late will not be accepted without an excused absence.
Quizzes

These will often be announced but a quiz may be given at any time. Unannounced quizzes will be used to encourage attendance.

Attendance

Students who miss 4 consecutive classes may be disenrolled from the course. In addition, daily attendance will be taken and those with borderline grades who regularly attend class will be rounded to the next grade.

Disabilities

Students who qualify for services will, whenever possible, receive the academic modifications for which they are legally entitled.

Academic Integrity

Academic integrity is fundamental to the process of learning and evaluating academic performance. Academic dishonesty includes, but is not limited to, the following: cheating, plagiarism, tampering with academic records and examinations, falsifying identity, and being an accessory to acts of academic dishonesty and will not be tolerated. Academic misconduct will result in an assigned course grade of an “F”. Refer to the UNO Judicial Code for further information, including the consequences for acts of academic dishonesty. The Code is available online at www.studentaffairs.uno.edu/studentpolicies/policymanual/academic_dishonesty.cfm.

CHEM 1110 Fall 2015 - Course Schedule

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<tr>
<th>Dates</th>
<th>Material</th>
<th>Topic</th>
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</thead>
<tbody>
<tr>
<td><strong>Unit 1</strong></td>
<td>Chapter 1</td>
<td>Introductions; Syllabus; History of Forensic Science</td>
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<tr>
<td></td>
<td>Chapter 2</td>
<td>The Crime Scene and Collection of Evidence</td>
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<td></td>
<td>Chapter 3 &amp; 6</td>
<td>Physical Evidence &amp; Fingerprints</td>
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<td></td>
<td>Ch. 1-3</td>
<td>Unit 1 Exam</td>
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<tr>
<td><strong>Unit 2</strong></td>
<td>Chapter 11</td>
<td>Chemical Analysis; Drug Identification</td>
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<td>Chapter 7</td>
<td>Microscope and Tool Marks</td>
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<td></td>
<td>Ch. 4-6</td>
<td>Unit 2 Exam</td>
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<td><strong>Unit 3</strong></td>
<td>Chapter 8</td>
<td>Firearms</td>
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<td>Chapter 14</td>
<td>Forensic Serology</td>
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<td></td>
<td>Chapter 10 &amp; 13</td>
<td>Hairs, Fibers, and Paint</td>
</tr>
<tr>
<td><strong>Final Exam</strong></td>
<td>Thursday, 10 Dec, 12:30-2:30</td>
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This is an approximate schedule and should only be used as a guide. **It is subject to changes which will be announced in class.** This is another fine reason to attend class.