John Jay College of Criminal Justice  
The City University of New York  
524 West 59th Street, New York, NY, 10019  

Concepts of Forensic Science  
Forensic Science 108: Lecture Syllabus  
Fall 2012

General Course Info
Course Name: Concepts of Forensic Science (FOS108)  
Semester: Fall 2012  
Sections: 301 & 302  
Day(s): Saturday  
Time: 12:15pm – 2:55pm  
Location: New Building L2.85

Instructor Information
Professor Mica-Mia Cartwright  
Office: New Building 05.66.20  
Office hours: Tuesdays and Thursdays 3pm-6pm  
Or by appointment  
Phone Number: 212.621.3751  
E-mail address: mcartwright@jjay.cuny.edu

Course description
This course provides the non-science major with an introduction to forensic science. The lecture portion of the course establishes a foundation for understanding many of the concepts and techniques on which forensic science is built, such as those associated with crimes scene processing, physical evidence, microscopy, fingerprints, firearms and DNA. The laboratory portion of the course provides an opportunity to learn “hands-on” by using common analytical techniques.

Learning Outcomes

Reasoning:
- Determine appropriate conclusions based on scientific evidence. Be able propose a prediction of results and then test predictions.
Students will be able to recognize that identifying specific unknown samples can be accomplished through the use of different scientific techniques and testing. Apply critical thinking skills in solving justice problems of a specific nature by discussing relevant court cases and the impact of science within. Discriminate between generally accepted science and science fiction.

Knowledge:
- Take a skeptic approach to general scientific information and legal decisions.
- Describe how data influences legal decisions and shapes methods of analysis.
- Gain an introduction to physical sciences necessary for forensic science.
- Students will learn aspects of general chemistry, analytical chemistry (chromatography), and biology (serology).

Practical Skills:
- Write scientific reports, and follow scientific procedures to obtain standardized replicable results.
- Identify unknown samples in double blind studies.
- Describe how science is used in the criminal justice system

Communication:
- Report on importance/impact, relevancy and accuracy of forensic science methods.
- Use scientific vocabulary in defending results and active discussions about science.

Course Prerequisites or Co-requisites
Prerequisite: Natural Science 107. Unless you have fulfilled certain high school science requirements, you will not be permitted to take this course without having taken natural science 107.

Lecture Requirements
- Quizzes may be given at any point during the semester and may be unannounced. Quizzes will be given during the first ten minutes of the lecture session. If you are late, you will not be allowed to take the quiz. There are no makeup quizzes.
- All readings must be done PRIOR to class.
- Attendance is required for lecture. A total of three or more unexcused absences will adversely affect your grade. Students are responsible for signing the attendance sheet and will be considered absent if they do not. Whoever has not expressed attendance within the first 15 minutes of class or arrives later will be counted as late. Two lateness marks will equal one absence. Students arriving
late must contact the instructor at the end of the session before leaving the lecture.

- Cell/Smart phone usage is not permitted in lecture and must be turned off or placed on silent (not vibrate). Texting or messaging during class is strictly forbidden. During an exam the usage of a cell phone or texting will result in a zero for that exam. If the student needs to use the phone they can leave the room. If caught using the phone in the room the student will be asked to leave to room and upon multiple infractions may be barred from the class for that session and marked absent.
- We cannot guarantee any makeup exams.
- Students are required to address their professors and each other with respect. This applies to in and outside of the classroom and also in electronic communications.

Laboratory Sections:

Section 301
Day: Saturday  
Time: 9:25am-12:05pm  
Location: New Building 3.74  
Instructor: Professor Mica-Mia Cartwright*

*Grading for lab section will be done in accordance with the grading policy listed in this syllabus (see lab syllabus).

Section 302
Day: Saturday  
Time: 9:25am-12:05pm  
Location: New Building 3.79  
Instructor: Professor Shivonne Hutson** (shiv.hutson@gmail.com)

**Grading for lab section will be done in accordance with the Lab Instructor’s policy.

Lecture Required Text

ISBN: 9781429255226

Grading

Your lecture grade is worth 60% of your course grade and laboratory grade is worth 40%. Quizzes, exams, attendance and participation all are part of your lecture grade.
Lecture Grade
Best 3 Exams – 87% (29% each)
Quizzes – 10%
Attendance & Participation – 3%

Extra Credit
If you have perfect attendance for lecture and lab sections, extra credit will be given.

Lecture Exams
The four lecture exams will NOT be cumulative. You must bring your JJC ID Card in order to take each exam. You will not be permitted to take an exam if you arrive more than 15 minutes after the exam has begun. Bring at least two #2 pencils, an eraser and a pen to each exam. NO MAKE-UP EXAMS WILL BE GIVEN. Students are required to take all four lecture exams. The lowest of the four grades will be dropped; the remaining three exam grades will be weighted equally. During examinations, students may not use any extraneous reference materials (e.g. books, notes, papers), communicate with other students, or use electronic devices such as phones, pagers, or PDA’s. Any student caught cheating will receive a zero for the exam, and be referred to the College’s Academic Integrity Officer for further action.

Grading Scale

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>93 - 100%</td>
</tr>
<tr>
<td>A-</td>
<td>90-92.99%</td>
</tr>
<tr>
<td>B</td>
<td>83-86.99%</td>
</tr>
<tr>
<td>B-</td>
<td>80-82.99%</td>
</tr>
<tr>
<td>C</td>
<td>73-76.99%</td>
</tr>
<tr>
<td>C-</td>
<td>70-72.99%</td>
</tr>
<tr>
<td>D</td>
<td>63-66.99%</td>
</tr>
<tr>
<td>D+</td>
<td>67-69.99%</td>
</tr>
<tr>
<td>F</td>
<td>62.99% and below</td>
</tr>
</tbody>
</table>

Final Exam
The final exam will be held on December 15th, 2012 in the New Building L2.85 at 12:25pm.

College wide policies for undergraduate courses
(see the Undergraduate Bulletin, Chapter IV Academic Standards)

A. Incomplete Grade Policy
B. Extra Work During the Semester
C. Americans with Disabilities Act (ADA) Policies

"Qualified students with disabilities will be provided reasonable academic accommodations if determined eligible by the Office of Accessibility Services (OAS). Prior to granting disability accommodations in this course, the instructor must receive written verification of a student’s eligibility from the OAS which is located at L66 in the New Building (212-237-8031). It is the student’s responsibility to initiate contact with the office and to follow the established procedures for having the accommodation notice sent to the instructor.”

Source: Reasonable Accommodations: A Faculty Guide to Teaching College Students with Disabilities, 4th ed., City University of New York, p.3.
(http://www.jjay.cuny.edu/studentlife/Reasonable_Accommodations.pdf)

Statement of the College Policy on Plagiarism
Plagiarism is the presentation of someone else’s ideas, words, or artistic, scientific,
or technical work as one's own creation. Using the ideas or work of another is permissible only when the original author is identified. Paraphrasing and summarizing, as well as direct quotations require citations to the original source.

The following are some examples of plagiarism, but by no means is it an exhaustive list:

• Copying another person's actual words without the use of quotation marks and footnotes attributing the words to their source
• Presenting another person's ideas or theories in your own words without acknowledging the source
• Using information that is not common knowledge without acknowledging the source
• Failing to acknowledge collaborators on homework and laboratory assignments

**Internet plagiarism** includes submitting downloaded term papers or part of term papers, paraphrasing or copying information from the Internet without citing the source, and "cutting and pasting" from various sources without proper attribution.

Plagiarism may be intentional or unintentional. Lack of dishonest intent does not necessarily absolve a student of responsibility for plagiarism.

It is the student's responsibility to recognize the difference between statements that are common knowledge (which do not require documentation) and restatements of the ideas of others. Paraphrase, summary, and direct quotation are acceptable forms of restatement, as long as the source is cited.

Students, who are unsure how and when to provide documentation, are advised to consult with their instructors. The Library has free guides designed to help students with problems of documentation. *(John Jay College of Criminal Justice Undergraduate Bulletin, [http://www.jjay.cuny.edu/academics/654.php](http://www.jjay.cuny.edu/academics/654.php), see Chapter IV Academic Standards)*

**Counseling Services Center (212.237.8111)**

The Counseling Services Center offers assistance and referral to address students' personal, social, career, and study skills problems.

Services for students include: “personal counseling, adjustment to college, career and personal development, choosing a major, study habits, text anxiety, low self-esteem, family and relationship concerns, depression and grief.”

For more information visit [http://www.jjay.cuny.edu/2246.php](http://www.jjay.cuny.edu/2246.php)

**Security:**

For **EMERGENCIES ONLY**: Dial Extension 8888 from a university telephone or **(212) 237-8888** from a non-university phone.

In the case of an emergency, if at all possible, the class should shelter in place. If the building that the class is in is affected, follow the evacuation procedures for the building.


All students will abide by the instructions of John Jay Department of Public Safety or any other NY first responder.

Please review the university's Emergency Plan: [http://www.jjay.cuny.edu/1523.php](http://www.jjay.cuny.edu/1523.php)
Approved by College Council, November 18, 2011

**Tentative Schedule* (subject to change)**

<table>
<thead>
<tr>
<th>Day</th>
<th>Date</th>
<th>Lecture Topics</th>
<th>Readings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saturday</td>
<td>1-Sep-12</td>
<td>Introduction/Math Refresher Introduction to Forensic Chemistry</td>
<td>Chapter 1 (pp. 3-25)</td>
</tr>
<tr>
<td>Saturday</td>
<td>8-Sep-12</td>
<td>Evidence Collection and Preservation; Forensic science and law Chromatography</td>
<td>Chapter 2 (pp. 27-48)</td>
</tr>
<tr>
<td>Saturday</td>
<td>15-Sep-12</td>
<td>Light and Matter Microscopy</td>
<td>TBD</td>
</tr>
<tr>
<td>Saturday</td>
<td>22-Sep-12</td>
<td>REVIEW EXAM 1</td>
<td>STUDY!</td>
</tr>
<tr>
<td>Saturday</td>
<td>29-Sep-12</td>
<td>Hairs and Fibers Structure of Drugs</td>
<td>Chapter 5 (pp. 135-158)</td>
</tr>
<tr>
<td>Saturday</td>
<td>6-Oct-12</td>
<td>Properties of Solutions – aqueous Drug Chemistry</td>
<td>Chapters 6 &amp; 8 (pp. 165-188; 225-254)</td>
</tr>
<tr>
<td>Saturday</td>
<td>13-Oct-12</td>
<td>Chemical Equilibrium and Poisons Intro to Biochemistry and DNA Analysis Serology/DNA</td>
<td>Chapters 13 &amp; 14 (pp. 375-417)</td>
</tr>
<tr>
<td>Saturday</td>
<td>20-Oct-12</td>
<td>REVIEW EXAM 2</td>
<td>STUDY!</td>
</tr>
<tr>
<td>Saturday</td>
<td>27-Oct-12</td>
<td>Fingerprints Questioned Documents</td>
<td>TBD</td>
</tr>
<tr>
<td>Saturday</td>
<td>3-Nov-12</td>
<td>Impressions Firearms and Toolmarks</td>
<td>TBD</td>
</tr>
<tr>
<td>Saturday</td>
<td>10-Nov-12</td>
<td>Anthropology/Pathology REVIEW</td>
<td>Reading provided by instructor from Human Osteology: A laboratory and field manual by William M. Bass</td>
</tr>
<tr>
<td>Saturday</td>
<td>17-Nov-12</td>
<td>EXAM 3 Chemistry of Fire and Heat</td>
<td>Chapter 9 (pp. 261-288)</td>
</tr>
<tr>
<td>Saturday</td>
<td>24-Nov-12</td>
<td>NO CLASS</td>
<td></td>
</tr>
<tr>
<td>Saturday</td>
<td>1-Dec-12</td>
<td>Chemistry of Explosions Nuclear Chemistry – Energy, Medicine, Weapons and Terrorism</td>
<td>Chapter 10 (pp. 293-318) Chapter 12 (pp. 345-370)</td>
</tr>
<tr>
<td>Saturday</td>
<td>8-Dec-12</td>
<td>Glass and Soil TBD</td>
<td>Chapter 2 sections 2.9 &amp; 2.10</td>
</tr>
<tr>
<td>Saturday</td>
<td>15-Dec-12</td>
<td>FINAL</td>
<td>STUDY!</td>
</tr>
</tbody>
</table>

Unless otherwise indicated, all readings are from *Investigating chemistry: Introductory Chemistry from a Forensic Science Perspective*.
General Course Info
Course Name: Concepts of Forensic Science (FOS108)
Semester: Fall 2012
Section: 301
Day(s): Saturday
Time: 9:25am – 12:05pm
Location: New Building 3.74

Instructor Information
Professor Mica-Mia Cartwright
Office: New Building 05.66.20
Office hours: Tuesdays and Thursdays 3pm-6pm
Or by appointment
Phone Number: 212.621.3751
E-mail address: mcartwright@jjay.cuny.edu

Course description
This course provides the non-science major with an introduction to forensic science. The lecture portion of the course establishes a foundation for understanding many of the concepts and techniques on which forensic science is built, such as those associated with crimes scene processing, physical evidence, microscopy, fingerprints, firearms and DNA. The laboratory portion of the course provides an opportunity to learn “hands-on” by using common analytical techniques.

Learning Outcomes

Reasoning:
- Determine appropriate conclusions based on scientific evidence. Be able propose a prediction of results and then test predictions.
- Students will be able to recognize that identifying specific unknown samples can be
accomplished through the use of different scientific techniques and testing.

- Apply critical thinking skills in solving justice problems of a specific nature by discussing relevant court cases and the impact of science within.
- Discriminate between generally accepted science and science fiction.

Knowledge:

- Take a skeptic approach to general scientific information and legal decisions.
- Describe how data influences legal decisions and shapes methods of analysis.
- Gain an introduction to physical sciences necessary for forensic science.
- Students will learn aspects of general chemistry, analytical chemistry (chromatography), and biology (serology).

Practical Skills:

- Write scientific reports, and follow scientific procedures to obtain standardized replicable results.
- Identify unknown samples in double blind studies.
- Describe how science is used in the criminal justice system

Communication:

- Report on importance/impact, relevancy and accuracy of forensic science methods.
- Use scientific vocabulary in defending results and active discussions about science.

Course Prerequisites or Co-requisites

Prerequisite: Natural Science 107. Unless you have fulfilled certain high school science requirements, you will not be permitted to take this course without having taken natural science 107.

Requirements

- Attendance is required for laboratory sections. A total of two or more unexcused absences will adversely affect your grade. Students are responsible for signing the attendance sheet and will be considered absent if they do not. If you miss a lab, you will receive a grade of zero for that lab. Whoever has not expressed attendance within the first 15 min or arrives later will be counted as late. Two lateness marks will equal one absence. Students arriving late must contact the instructor at the end of the session before leaving the lab.
- All readings must be completed prior to attending laboratory.
- Cell/Smart phone usage is not permitted in lab and must be turned off or placed on silent (not vibrate). Texting or messaging during class is strictly forbidden. During an exam the usage of a cell phone or texting will result in a
zero for that exam. If the student needs to use the phone they can leave the room. If caught using the phone in the room the student will be asked to leave to room and upon multiple infractions may be barred from the class for that session and marked absent.

- **NO FOOD or DRINK** is permitted in lab. Eating, drinking and chewing gum are **NOT** permitted in lab. If you break any of these rules, you will be forced to leave lab, receive an absence for the day and receive a zero on your lab assignment!

- We cannot guarantee any makeup labs.

- Students are required to observe all safety rules, including wearing safety glasses during lab work and cleanup. **Failure to possess and wear safety glasses is inexcusable. Safety glasses are mandatory for all lab sessions including recitations! The minimum penalty for not having or wearing your goggles is a zero for the lab and dismissal from the period with a marked absence**

- Proper laboratory attire is mandatory. Deviation from the guidelines presented in the safety list will lead to a dismissal from the period and a mark of absent. **Students MUST wear long pants, shirts with sleeves, and closed-toe shoes at all times when working in the laboratory. Students who are dressed inappropriately will be sent home to change and given a late/absence for that day. Additionally, females must wear socks if wearing flats (ballet flats). Hair must be tied back away from the student’s face.**

- Students are required to address their professors and each other with respect. This applies to in and outside of the classroom and also in electronic communications.

**Required Texts and Materials for Laboratory**

**Lab Manual**
ISBN: 9781420087192
Custom edition for John Jay College of Criminal Justice available at bookstore

Marble notebook and lab safety glasses needed for lab. Available at bookstore
Grading

Your laboratory grade is worth **40%** of your total FOS 108 grade (60% for lecture portion).

The lab grade will consist of:
- Lab notebooks (**30%)**
- General unknowns (**30%)**
- Enhanced lab report (**10%)**
- Final exam (**30%)**

Grading Scale

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>93-100%</td>
</tr>
<tr>
<td>A-</td>
<td>90-92.99%</td>
</tr>
<tr>
<td>B+</td>
<td>87-89.99%</td>
</tr>
<tr>
<td>B</td>
<td>83-86.99%</td>
</tr>
<tr>
<td>B-</td>
<td>80-82.99%</td>
</tr>
<tr>
<td>C+</td>
<td>77-79.99%</td>
</tr>
<tr>
<td>C</td>
<td>73-76.99%</td>
</tr>
<tr>
<td>C-</td>
<td>70-72.99%</td>
</tr>
<tr>
<td>D+</td>
<td>67-69.99%</td>
</tr>
<tr>
<td>D</td>
<td>63-66.99%</td>
</tr>
<tr>
<td>F</td>
<td>62.99% and below</td>
</tr>
</tbody>
</table>

**College wide policies for undergraduate courses**

*(see the Undergraduate Bulletin, Chapter IV Academic Standards)*

A. **Incomplete Grade Policy**

B. **Extra Work During the Semester**

C. **Americans with Disabilities Act (ADA) Policies**

"Qualified students with disabilities will be provided reasonable academic accommodations if determined eligible by the Office of Accessibility Services (OAS). Prior to granting disability accommodations in this course, the instructor must receive written verification of a student’s eligibility from the OAS which is located at L66 in the New Building (212-237-8031). It is the student’s responsibility to initiate contact with the office and to follow the established procedures for having the accommodation notice sent to the instructor."


**Statement of the College Policy on Plagiarism**

Plagiarism is the presentation of someone else’s ideas, words, or artistic, scientific, or technical work as one’s own creation. Using the ideas or work of another is permissible only when the original author is identified. Paraphrasing and summarizing, as well as direct quotations require citations to the original source.

The following are some examples of plagiarism, but by no means is it an exhaustive list:

- Copying another person’s actual words without the use of quotation marks and footnotes attributing the words to their source
- Presenting another person’s ideas or theories in your own words without acknowledging the source
- Using information that is not common knowledge without acknowledging the source
- Failing to acknowledge collaborators on homework and laboratory assignments
**Internet plagiarism** includes submitting downloaded term papers or part of term papers, paraphrasing or copying information from the Internet without citing the source, and “cutting and pasting” from various sources without proper attribution.

Plagiarism may be intentional or unintentional. Lack of dishonest intent does not necessarily absolve a student of responsibility for plagiarism.

It is the student’s responsibility to recognize the difference between statements that are common knowledge (which do not require documentation) and restatements of the ideas of others. Paraphrase, summary, and direct quotation are acceptable forms of restatement, as long as the source is cited.

Students, who are unsure how and when to provide documentation, are advised to consult with their instructors. The Library has free guides designed to help students with problems of documentation. *(John Jay College of Criminal Justice Undergraduate Bulletin, http://www.jjay.cuny.edu/academics/654.php, see Chapter IV Academic Standards)*

**Counseling Services Center (212.237.8111)**
The Counseling Services Center offers assistance and referral to address students' personal, social, career, and study skills problems.

Services for students include: “personal counseling, adjustment to college, career and personal development, choosing a major, study habits, test anxiety, low self-esteem, family and relationship concerns, depression and grief.”

For more information visit [http://www.jjay.cuny.edu/2246.php](http://www.jjay.cuny.edu/2246.php)

**Security:**

For **EMERGENCIES ONLY**: Dial Extension **8888** from a university telephone or **(212) 237-8888** from a non-university phone.

In the case of an emergency, if at all possible, the class should shelter in place. If the building that the class is in is affected, follow the evacuation procedures for the building.


All students will abide by the instructions of John Jay Department of Public Safety or any other NY first responder.

Please review the university’s Emergency Plan: [http://www.jjay.cuny.edu/1523.php](http://www.jjay.cuny.edu/1523.php)
## Tentative Course Schedule (*Subject to change*)

<table>
<thead>
<tr>
<th>Day</th>
<th>Date</th>
<th>Lab</th>
<th>Readings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saturday</td>
<td>1-Sep-12</td>
<td>Introduction/Math Refresher/Documentation/Chemistry Discussion</td>
<td>Safety Rules Page: xxii</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Experiment 1: Pages 3-10</td>
</tr>
<tr>
<td>Saturday</td>
<td>8-Sep-12</td>
<td>Identification/Individualization/Chromatography Discussion</td>
<td>Experiment 2: Pages 11-16</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Experiment 21: Pages 155-157</td>
</tr>
<tr>
<td>Saturday</td>
<td>15-Sep-12</td>
<td>Chromatography Lab</td>
<td>Experiment 21: Pages 155-157</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Experiment 32: Pages 265-273</td>
</tr>
<tr>
<td>Saturday</td>
<td>22-Sep-12</td>
<td>Chromatography Lab/Microscopy Discussion/Experiment 21: Pages 155-157</td>
<td>Experiments 3 &amp; 4: Pages 17-29</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Experiment 10: Pages 69-75</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Experiment 13: Pages 95-100</td>
</tr>
<tr>
<td>Saturday</td>
<td>29-Sep-12</td>
<td>Microscopy Lab/Hairs and Fibers Discussion/Experiment 3 &amp; 4: Pages 17-29</td>
<td>Experiment 14: Pages 101-109</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Experiments 11 &amp; 12: Pages 77-94</td>
</tr>
<tr>
<td>Saturday</td>
<td>6-Oct-12</td>
<td>Hairs and Fibers Lab</td>
<td>*See 29 September 2012 Readings</td>
</tr>
<tr>
<td>Saturday</td>
<td>13-Oct-12</td>
<td>Hairs and Fibers Lab/Trace Lab</td>
<td>*See 29 September 2012</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Experiment 9: Pages 61-68</td>
</tr>
<tr>
<td>Saturday</td>
<td>20-Oct-12</td>
<td>Serology Discussion &amp; Lab</td>
<td>TBD</td>
</tr>
<tr>
<td>Saturday</td>
<td>27-Oct-12</td>
<td>Fingerprint Discussion &amp; Lab/Experiment 5: Pages 31-40</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Experiment 6: Pages 41-45</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Experiment 7: Pages 47-52</td>
</tr>
<tr>
<td>Saturday</td>
<td>3-Nov-12</td>
<td>Fingerprint Lab/Forgery Detection Discussion &amp; Lab</td>
<td>See 10/27/12 Readings</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Experiment 24: Pages 171-178</td>
</tr>
<tr>
<td>Saturday</td>
<td>10-Nov-12</td>
<td>Ballistics Discussion &amp; Lab/Odontology Lab</td>
<td>Experiments 37 &amp; 38: Pages 307-333</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Experiments 26 &amp; 27: Pages 187-211</td>
</tr>
<tr>
<td>Saturday</td>
<td>17-Nov-12</td>
<td>Crime Scene</td>
<td>Experiment 8: Pages 53-59</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Experiment 39: Pages 335-342</td>
</tr>
<tr>
<td>Saturday</td>
<td>24-Nov-12</td>
<td>NO CLASS</td>
<td></td>
</tr>
<tr>
<td>Saturday</td>
<td>1-Dec-12</td>
<td>LAB FINAL EXAM</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>General Unknowns</td>
<td></td>
</tr>
<tr>
<td>Saturday</td>
<td>8-Dec-12</td>
<td>General Unknowns</td>
<td></td>
</tr>
<tr>
<td>Saturday</td>
<td>15-Dec-12</td>
<td>Finals Week</td>
<td></td>
</tr>
</tbody>
</table>

All readings are from *Forensic Science Laboratory Manual and Workbook* unless otherwise indicated.