

2015

Science 108-002H Essentials of Forensic Science Hybrid Fall 2015

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Science 108-002H -- Essentials of Forensic Science

Fall 2015

Instructor:

Sybil Anderson, Instructor

Section 002H LAB: Mon. 5:30 -8:50

LECTURE: Online

Christina Beatty, Associate Professor

Section 001 LAB: Tues. 9-11:50am in M229 (or X104)

LECTURE Thurs. 9-11:50am in L217

Guest Instructors:

Sgt. Bruce Ramseyer, Champaign PD Bruce.Ramseyer@ci.champaign.il.us

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My Instructor Information

Name:	Sybil Anderson
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Office Location:	Find me in M229 & M230
Office Hours:	Monday 5-5:30 in M229; Friday 5-5:30 CHAT and by appointment
Mailbox Location:	L-120

Course Overview:

This course is an introduction to the application of science to criminal and civil cases, including an overview of forensic chemistry, forensic biochemistry, and other sub-disciplines in forensics. Special emphasis will be placed on the techniques of sampling a crime scene and the use of physical evidence to help solve cases. This course fulfills the IAI interdisciplinary science (LP 900L) general education elective.

Course theme: This course can best be summarized by the word evidence. We will be learning about evidence, what it is, where it can be found, where it comes from, how to analyze it, how valuable it is in a criminal case, etc. So, many of the activities are to help you learn as much as possible about the importance of evidence in criminal proceedings.

General Course Objectives:

PREREQUISITE: This course requires a *placement in ENG 101*.

In this course, we will introduce some of the scientific concepts / principles that are applied in criminal and civil cases so that you (the student) can:

1. Increase your scientific literacy
2. Increase your exposure to and understanding of scientific endeavors
3. Create an environment that illustrates the importance of careful data collection and recording to the successful crime investigation.
4. Develop a strong understanding of the physical and biological fundamentals underpinning the practice of forensic science to crime scenes.

Required Materials:

1. Saferstein, Richard (2010), **Criminalistics: An Introduction to Forensic Science**, 10th Edition, Prentice-Hall Inc. [used] **OR**
Saferstein, Richard (2014), **Criminalistics: An Introduction to Forensic Science**, 11th Edition, Prentice-Hall Inc. [new edition]
2. Parkland Natural Sciences Staff (Fa '14 edition), **Science 108 Course Packet**,
3. **Lab Safety Goggles**. Note that only lab **safety goggles**, not safety glasses, can be worn in the chemistry lab.
4. **3-ring binder**: You will want to KEEP everything for the entire semester because you will be allowed to use any materials you want during the CRIME SCENE REPORTS.
5. **Quarter for lab lockers**
6. **Spiral Notebook** (can be left over from another course, 30-40 pages is enough) (bring to lab in Weeks 4, 9, 15, will be turned into instructor so be sure it's not for another current course)
7. **Pencil** for exam days

Note: an iClicker is NOT required for this hybrid section

The Mission of Parkland College is to engage the community in learning.

General Education Requirements – IMPORTANT!!!:

In order to satisfy your general science requirement at Parkland you must take 1 life science (some sort of biology) and 1 physical science (chemistry, physics, astronomy, earth science). Another option is to take 2 interdisciplinary science courses. Parkland currently has 2 such courses. They are Science 108 (Essentials of Forensics) and Science 208 (Forensic Science II). Sci 108 is technically 50% life science and 50% physical science. The same applies to Sci 208. Therefore taking both 108 & 208 satisfies a 1 semester life science + 1 semester physical science requirement. But Sci 108 alone does NOT fully satisfy 1 full semester of life science and/or 1 full semester of physical science. Please let me know if you have any questions about this requirement.

The following general education objectives are introduced or assessed in this course.

Upon completion of Sci 108, students should be able to:

- demonstrate their ability to read, write, listen, and speak effectively;
- demonstrate their ability to solve problems, by collecting and evaluating facts and using methods of scientific inquiry;
- demonstrate their ability to use technology, especially computer technology, to access, retrieve, process, and communicate information;
- demonstrate information literacy and their ability to think critically, which includes identifying biases and selecting and evaluating sources from varying as well as conflicting positions;

Drops & Withdrawals:

Important dates:

Aug. 31: At Census Day, I am required to assess your attendance. If you have not attended to that point, you will be **withdrawn** with no refund of tuition and fees and you will receive a “W” on your transcript. After this census date, you should not plan on an instructor withdrawal if you want to withdraw from the course. You are ultimately responsible for your own withdrawal by the withdrawal date. Non-attendance after the census date may result in an F if you don't withdraw yourself.

Oct. 16: Up until this point, the instructor *may* (but won't automatically) **withdraw** you from the class and a “W” will appear on your transcript. After this date, an instructor **CANNOT** withdraw you. You must withdraw yourself **by going to the Admissions Office** (see page 5 in the Parkland class schedule for more information on how to withdraw). Also, **nonattendance after Midterm will result in an F (not a W), unless you withdraw yourself** from the class before the withdrawal date listed next.

Dec. 4: **The last day you (as a student) can withdraw from this class is before 5:00 P.M. on this day.** A “W” will appear on your transcript instead of an “F”. Again, an *instructor* cannot withdraw you past the midterm date.

Cell phone policy

Cell phones are not allowed in lab at all. Due to the increasing amount of cell phone use in lectures, pending the instructor's decision:

- ...having your cell phone out in class may result in a 0 for clicker and/or teamwork points for the day.
- ...having your cell phone out in M229 (lab) may result in 20% (10 pts.) off that day's lab points.

If you must use your cell phone, you may...

- Leave the room to use it
- Explain to your instructor the special circumstance (i.e. calculator use, family emergency) why you need your cell phone out to get permission to not lose points

Academic Policies:

Absences – What is an excused absence?

An excused absence is any absence that is due to personal illness, family emergency, **major** weather, or a Parkland sponsored event that you have documentation for. **(Note: You should bring in documentation - e.g. doctor's note or coach's note - if you expect an absence to be considered excused.)** An unexcused absence is any other absence. Generally, work missed during unexcused absences cannot be made up, or will be penalized by a zero. The lowest assignments in most categories are dropped. However, see “freebies” below.

Make Ups:

If you have an **EXCUSED** absence, (as defined above) then you will be allowed to make up the work that you missed or I may provide a suitable alternative. The procedure (and possibility) for a make-up will depend on the type of assignment that you need to make-up.

“Freebies” can be used to turn completed assignments in late for full credit. Please read the directions on the “freebies” and ask your instructor for clarification.

Make-Ups for Labs

YOU MUST ATTEND THE MANDATORY SAFETY INTRODUCTION or you will not be able to perform any future labs. For all other labs, if you inform me in a timely manner of the class date that you are to miss then it may be possible for you to make up the lab during the other lab section of Science 108 (see below for times). *Please note* — You must have my permission to attend a different lab section. You will still be responsible for the material in any missed labs – such as on the crime scene reports - whether excused or unexcused.

<u>Science 108 lab sections in X104 or M229:</u>		
Section 002H	Mon	5:30pm - 8:50pm
Section 001	Tues	9:00am - 11:50am

Attendance policy:

Attendance is extremely important in Sci 108. Lab work and teamwork cannot be easily made up at home.

Lab:

As with other classes and a job, it is important to be on time for Sci 108. This is particularly important for labs. Arriving late to lab means you, the student, miss important safety information and key instructions on how to operate equipment and use techniques properly. Missing these instructions may cause harm to you, another student, or lab equipment. Arriving late to lab will be defined as: **arriving after the instructor has started going over the lab intro** (safety and other details) with the class after prelabs are checked. Therefore, if you arrive late to lab, you will **lose points**. However, it's ultimately at the instructor's discretion to admit or not admit a student if a student is late and this would count as an unexcused absence.

Lecture:

Arriving late to lecture means clicker questions that cover review and the reading material will be missed and cannot be made up.

Academic Honesty:

An atmosphere of mutual respect between and among teachers and students is expected in this class. Anyone found to be cheating /committing plagiarism on an assignment, exam or report will receive a ZERO for that assignment and the incident will be reported to the college. The instructor reserves the right to give a zero for all previous assignments in that category and require an alternate assignment for future assignments in that category. Cheating includes getting or providing answers from or to another student during before, or after an exam, lab etc., copying answers to assignments from the Internet or other students' assignments (from this or previous semesters) and/or plagiarism. **THIS INCLUDES iCLICKER USE.** There may be random iClicker serial number checks during the semester. If you are found with a clicker other than the one you originally registered, all other previous clicker grades will become zeroes. The complete policy on academic honesty may be found in the *Student Policy and Procedures Manual* – please review this policy in the *Student Manual*. More on Academic Honesty can be found here:

<http://www.parkland.edu/studentpolicy/honesty>

On every assignment that you complete at home, the following must be written in your handwriting: “I honor Parkland’s core values by affirming that I have followed all academic integrity guidelines for this work.” If it is not handwritten on your assignment, it will be returned as a zero. It can be resubmitted with the phrase asap for credit.

Course Components & Grading Policy:

Grades in this course are based on a percentage of the total points (see table). There are **roughly 1500 points** in the semester but your final grade will be based on the table to the right. No plus or minus grades are given at Parkland.

The final grade cut-offs are as follows to the right:

At least 90. % = A
At least 80. % = B
At least 70.% = C
At least 60.% = D
Less than 60.% = F

Late Work:

NO LATE WORK IS ACCEPTED unless you use “freebies” (explained below) **or you have a documented, excused absence.** You may, however, turn in assignments ahead of time if you know you will be absent.

“Freebies”:

(6 x 4 pts. each = 24 points possible)

A “Freebie” is worth **4pts.** You may use up to **6** freebies total to do the following.

- Borrow a pair of goggles = 1 freebie (4 pts.)
- Arrive more than 5 min. late to lab or no prelab complete = 2 freebies (8 pts.)
- Turn in 1 chapter reading guide or do 1 webquest a week late = 2 freebies (8 pts.)
- Turn in 1 team activity 1 week late from an absence = 2 freebies (8 pts.)
- Do your presentation 1 week late = 3 freebies (12 pts.)
- Turn in Midterm or Final Report 4 hours late: 1 freebie (4 points)

Please note that **any attempt to use more than your allotted 6 freebies** will result in a **zero** for **all** homework points. Freebies are only valid with your full name on it.

Grade Components:

<u>Category</u>	<u>Description</u>	<u>Points</u>
Homework: Weekly Reading Quizzes & Webquests <i>(due Sat. 11:55pm)</i>	<p>For each lecture topic that has a reading assignment from the text, you will be required to read the relevant material. There is an optional reading guide, found on Cobra, you can fill out. You will then also be required to study that week’s lecture slides. After you’ve completed all the readings, you’ll take a weekly reading quiz. You may have 2 in one week or you may also have a webquest.</p> <p>A Web Quest is an internet search for information on a particular topic. For topics in which there is no corresponding reading material in the text, or where the information in your text is inadequate, you will be required to complete a Web Quest before class. These will be made available to you on Cobra. Web Quests will generally be due at the beginning of lecture. For some material, there may be a Web Quest in addition to the weekly Reading Quiz.</p>	<p>17 x 8pts. each =136 pts.</p> <p>(Out of 18 possible, 1 assignments will be dropped Each quiz or webquest is worth 8 points.)</p>


<p>Discussion Posts (online; due Sat. 11:55pm)</p>	<p>Weekly, you will post questions and comments on the reading material in discussion forums on Cobra. It is suggested you post questions well in advance of the due date so that there is time for your classmates and/or instructor to answer before your weekly quiz is due.</p>	<p>12 weeks x 4 pts./wk =48 pts. (Out of 14 weeks, the highest 12 weeks are kept)</p>
<p>Team Activities & Quizzes (TA due Mon. 5:30)</p>	<p>Before coming to class, you will complete that topic's <u>team activity</u>. However, you will have a chance to check answers with your team before turning it in. <i>There is not time to start from scratch and complete the assignment in class so you must come with it completed.</i> You will also take a team quiz together in class (so nothing is due ahead of time for this part). You may use any resources, including your text, for these.</p>	<p>22 x 8 pts. each = 176 pts. (Out of about 25, the highest 22 are kept)</p>
<p>Case Presentation (variable due dates)</p>	<p>Most of the chapter opening case studies have some evidence associated with them. You will choose 1 case study and present on it. See presentation sheet on Cobra for details.</p>	<p>= 60 pts.</p>
<p>Prelabs and Lab Reports (Prelabs due Mondays 5:30)</p>	<p>PRE-LABS: This is due by the time lab STARTS for that week. The pre-lab includes reading the entire lab and writing a <i>solid paragraph</i> summary of the purpose and procedure in the space provided. If this is not done, you may not perform the lab OR you can use freebies to do the prelab and come "late" to lab. The purpose of this is to make sure you've read the lab – this is essential for safety reasons. – a few of these points are also designated as coming prepared to lab by having goggles, wearing long pants and closed toed shoes and by evidence of having read the lab LAB REPORTS: For each lab you are to record data, answer questions, etc. Any worksheets from the lab manual must be removed and submitted to your instructor. You may study with others, but you are required to submit your own work. Each lab is worth about 28 points total including prelab.</p>	<p>First lab = 20 pts. (no prelab) Then 11 labs x 28 pts. each = 328 pts. (Out of 12 labs, the highest 11 will be kept)</p>
<p>Exams (in class)</p>	<p>There will be 4 exams during the semester: part scantron multiple choice, part free response. Please bring a pencil on exam days. These will cover material in the Lectures, Labs and Team Activities. <i>1 side of an 8.5" x 11": sheet of paper with notes in only your own handwriting (only) is allowed per exam.</i></p>	<p>4 exams x 150 pts. each but 1 lowest exam <i>or paper*</i> is dropped = 450 pts.</p>
<p>Crime Scene Reports (2 due dates – see calendar)</p>	<p>You will be given evidence to analyze from a crime scene. You will analyze it and write a midterm report and then a final report dealing with a criminal case. You will have the opportunity to perform various laboratory tests on the evidence in order to solve the crime. <i>You may use all past labs, notes and/or your textbook.</i> Each person will write their own report – working together on <u>writing</u> the report is considered cheating in this class. ***Note: Exams and Reports will be in 1 gradebook category, with the 6 items worth 150 points each. The lowest exam <u>OR</u> report will be dropped.</p>	<p>Midterm = 150 pts + Final = 150 pts. =300 pts. (but you may drop 1 paper instead of a low exam*)</p>
<p>Misc.</p>	<p>There may be a few other miscellaneous assignments to complete.</p>	<p>= 2 pts.</p>
<p>SEMESTER TOTAL = ~1500 points (subject to change). Final Grade is based on percentage.</p>		

Sci 108-002H Course & Assignment Schedule for (Section 002H) FALL 2015

WEEK	<u>Assignments due MONDAYS, 5:30pm</u> Lab is in M229 unless otherwise noted. Each “☼” symbol indicates a separate prelab due. Find lab title in the table of contents. TA = Team Activity found in course packet (also see table of contents for page number)	<u>During the week:</u> <i>Suggested</i> Saferstein text reading deadlines (nothing due in this column); (RG = <i>optional Reading Guide available on Cobra</i>) “OR” is used because there are 2 versions of the textbook. Read carefully.	<u>Assignments due SATURDAYS, 11:55pm</u> Reading Quizzes (RQ) for Saferstein’s text (on Cobra) are required And/Or Webquests are due each week. Each “☼” symbol indicates a separate assignment due.
Week 1 8/23-8/29	<u>During Lab:</u> Introduction to course Dissecting Microscope (Stereoscope) Introduction (in M229 then move to X104) <u>Due for Lab:</u> Nothing. Welcome!	<u>By Wed:</u> Read Introduction [Ch 1: in 10 th & 11 th ed.] (RG) <u>By Fri:</u> Study the Intro to Forensic Science slides. Work on TA due Mon.	<u>Due online:</u> ☼ Discussion posts on this week’s topic ☼ RQ: Introduction [Ch 1: in 10 th & 11 th ed.] ☼ Intro email thru Cobra to instructor ☼ Syllabus quiz on Cobra.
Week 2 8/30-9/5	<u>Due for Lab:</u> 1 Pre-lab Summary due: ☼ <u>Sci 108 Intro Lab</u> ☼ TA: Ch. 1: Intro to Forensic Science Lab is back in M229 . Bring <i>goggles</i> and <i>wear lab attire: goggles, no sandals, wear pants</i>	<u>By Wed:</u> there is no text reading this week. Readings are links in the Webquest itself. <u>By Fri:</u> Study the Nature of Science slides. Work on TA due Mon.	<u>Due online:</u> ☼ Discussion posts on this week’s topic ☼ Webquest 1: Nature of Science
Week 3 9/6-9/12	No classes Monday for Labor Day <u>No Lab</u> (or pre-lab) this week for all sections of Sci 108. Attend field trip to Champaign PD instead.	<u>By Wed:</u> Read The Crime Scene [Ch 2 in 10 th & 11 th ed.] (RG) AND Physical Evidence [Ch 3 in 10 th & 11 th ed.] (RG) <u>By Fri:</u> Study the Crime Scene & Physical Evidence and Probability lecture slides. Work on TA due Mon.	<u>Due online:</u> ☼ Discussion posts on this week’s topic ☼ RQ: The Crime Scene [Ch 2 in 10 th & 11 th ed.] AND ☼ RQ: Physical Evidence [Ch 3 in 10 th & 11 th ed.]
Week 4 9/13-9/19	<u>Lab:</u> Crime scene analysis (in M229) <u>Due for Lab:</u> No pre-lab due but bring required blank notebook AND do ☼ alternate assignment for field trip <u>if</u> you didn’t attend (see Cobra) ☼ TA: The Nature of Science ☼ TA: Ch. 2 & 3 Physical Evidence	<u>By Wed:</u> Read Fingerprinting [Ch. 16 in 10 th ed. OR Ch. 6 in 11 th ed.] (RG) <u>By Fri:</u> Study the Fingerprinting lecture slides. Work on TA due Mon.	<u>Due online:</u> ☼ Discussion posts on this week’s topic ☼ RQ: Fingerprinting [Ch. 16 in 10 th ed. OR Ch. 6 in 11 th ed.]

WEEK	<p><u>Assignments due MONDAYS, 5:30pm</u> Lab is in M229 unless otherwise noted. Each “☼” symbol indicates a separate prelab due. Find lab title in the table of contents. TA = Team Activity found in course packet (also see table of contents for page number)</p>	<p><u>During the week:</u> <i>Suggested</i> Saferstein text reading deadlines (nothing due in this column); (RG = <i>optional Reading Guide available on Cobra</i>) “OR” is used because there are 2 versions of the textbook. Read carefully.</p>	<p><u>Assignments due SATURDAYS, 11:55pm</u> Reading Quizzes (RQ) for Saferstein’s text (on Cobra) are required And/Or Webquests are due each week. Each “☼” symbol indicates a separate assignment due.</p>
<p>Week 5 9/20-9/26</p>	<p><u>During lab:</u> ☼EXAM 1 during lab in X104, then lab in M229 (<i>can bring a note sheet – see Cobra</i>) (Yes, prelab summary due too) <u>Due for Lab:</u> 1 Pre-lab Summary due: ☼<u>Fingerprinting Techniques</u>. Lab is in M229. Bring goggles and <i>remember proper lab attire: goggles, no sandals and wear pants</i> ☼TA: Fingerprinting</p>	<p><u>By Wed:</u> Read The Microscope [Ch 7 in 10th & 11th ed.] (RG) AND Hairs, Fibers, (& Paint) [Ch. 13 in 10th ed. OR Ch. 10 in 11th ed.] (RG) <u>By Fri:</u> Study the Trace Evidence Slides. Work on TA due Mon.</p>	<p><u>Due online:</u> ☼Discussion posts on this week’s topic ☼RQ: The Microscope [Ch 7 in 10th & 11th ed.] AND ☼RQ: Hairs, Fibers, (& Paint) [Ch. 13 in 10th ed. OR Ch. 10 in 11th ed.]</p>
<p>Week 6 9/27-10/3</p>	<p><u>Due for Lab:</u> 1 Pre-lab Summary due: ☼<u>Compound Microscope Intro Lab</u>. Lab is in X104. No goggles needed. ☼TA: Trace Evidence (Hairs & Fibers)</p>	<p><u>By Wed:</u> Read Physical Properties: Glass & Soil [Ch 4 in 10th ed. OR Ch. 9A in 11th ed.] (RG) <u>By Fri:</u> Study the Measurement, Glass & Soil slides. Work on TAs due Mon.</p>	<p><u>Due online:</u> ☼Discussion posts on this week’s topic ☼RQ: Physical Properties: Glass & Soil [Ch 4 in 10th ed. OR Ch. 9A in 11th ed.]</p>
<p>Week 7 10/4-10/10</p>	<p><u>Due for Lab:</u> 3 Pre-lab Summaries due: ☼<u>Measurement Intro</u> ☼<u>Soil Analysis</u> ☼<u>Glass Analysis</u> Lab is back in M229. Bring goggles and wear <i>lab attire: goggles, no sandals and wear pants</i>. <i>Lab Midterm Prep: Bring crime scene notebook</i> ☼TA: Measurement & Metric System ☼TA: Glass & Soil</p>	<p>Complete the Mixed Reception computer lab and bring to class on Mon. Prep for the Lab Midterm. Start studying for Exam 2 or get ahead on next week’s readings since next week is busy.</p>	<p><u>Due online:</u> Discussion posts on this week’s topic are optional</p>

WEEK	<p><u>Assignments due MONDAYS, 5:30pm</u> Lab is in M229 unless otherwise noted. Each “☼” symbol indicates a separate prelab due. Find lab title in the table of contents. TA = Team Activity found in course packet (also see table of contents for page number)</p>	<p><u>During the week:</u> <i>Suggested</i> Saferstein text reading deadlines (nothing due in this column); (RG = <i>optional Reading Guide available on Cobra</i>) “OR” is used because there are 2 versions of the textbook. Read carefully.</p>	<p><u>Assignments due SATURDAYS, 11:55pm</u> Reading Quizzes (RQ) for Saferstein’s text (on Cobra) are required And/Or Webquests are due each week. Each “☼” symbol indicates a separate assignment due.</p>
<p>Week 8 10/11-10/17</p>	<p><u>During Lab: Lab Midterm</u> - You will use course material to analyze evidence in a criminal case study. <u>Due for Lab:</u> ☼Bring the completed Mixed Reception computer lab ☼Bring your blank notebook to lab with midterm prep done. Read over police reports online in Crime Scene folder. No prelab due. <i>Lab attire: goggles, no sandals and pants.</i></p>	<p><u>By Wed:</u> Read Chemistry Intro [Ch 5A in 10th ed. OR Ch. 9B in the 11th ed.] (RG) AND Inorganic Analysis (Metals) [Ch 6 in 10th ed. OR Ch. 13 in 11th ed.] (RG) <u>By Fri:</u> Study the Chemistry intro & Inorganic Analysis (Metals) Slides Work on TA due Mon.</p>	<p><u>Due online:</u> ☼Discussion posts on this week’s topic ☼RQ: Chemistry Intro [Ch 5A in 10th ed. OR Ch. 9B in the 11th ed.] AND ☼RQ: Inorganic Analysis (Metals) [Ch 6 in 10th ed. OR Ch. 13 in 11th ed.]</p>
<p>Week 9 10/18-10/24</p>	<p><u>Due for Lab:</u> ☼EXAM 2 (can bring a note sheet – see Cobra) AND (☼)Presentation (if it’s your turn) Bring notebook with crime scene notes 2 Pre-lab Summaries due: ☼Flame tests ☼Using UV and visible light ☼TA: Inorganic Analysis</p>	<p><u>By Wed:</u> Read Organic/Drug Analysis [Ch 5B in 10th ed. OR Ch. 11A in 11th ed.] (RG) <u>By Fri:</u> Study the Organic Analysis Analysis Slides. Work on TA due Mon.</p>	<p><u>Due online:</u> ☼Discussion posts on this week’s topic ☼RQ: Organic/Drug Analysis [Ch 5B in 10th ed. OR Ch. 11A in 11th ed.]</p>
<p>Week 10 10/25-10/31</p>	<p><u>Due MONDAY, 10/26/15 at 12:00pm:</u> ☼ Midterm Report – See Cobra</p> <p><u>Due for Lab:</u> 2 Pre-lab Summaries due ☼Identification of ink & drugs by TLC. ☼IR Spectroscopy to Identify an Unknown White Powder ☼TA: Organic Analysis</p>	<p><u>By Wed:</u> Read Drugs [Ch. 8 in 10th ed. OR Ch. 11B in 11th ed.] (RG) AND Forensic Toxicology [Ch. 9 in 10th ed. Or Ch. 12 in 11th ed.] (RG) <u>By Fri:</u> Study the Toxicology & Drug analysis slides. Work on TA due Mon.</p>	<p><u>Due online:</u> ☼Discussion posts on this week’s topic ☼ RQ: Drugs [Ch. 8 in 10th ed. OR Ch. 11B in 11th ed.] AND ☼RQ: Forensic Toxicology [Ch. 9 in 10th ed. Or Ch. 12 in 11th ed.]</p>

WEEK	<p><u>Assignments due MONDAYS, 5:30pm</u> Lab is in M229 unless otherwise noted. Each “☼” symbol indicates a separate prelab due. Find lab title in the table of contents. TA = Team Activity found in course packet (also see table of contents for page number)</p>	<p><u>During the week:</u> <i>Suggested</i> Saferstein text reading deadlines (nothing due in this column); (RG = <i>optional Reading Guide available on Cobra</i>) “OR” is used because there are 2 versions of the textbook. Read carefully.</p>	<p><u>Assignments due SATURDAYS, 11:55pm</u> Reading Quizzes (RQ) for Saferstein’s text (on Cobra) are required And/Or Webquests are due each week. Each “☼” symbol indicates a separate assignment due.</p>
<p>Week 11 11/1-11/7</p>	<p><u>Due for Lab:</u> 2 Pre-lab Summaries due ☼ <u>Analysis of Over-the-Counter Drugs</u> ☼ <u>Paper Chromatography</u> ☼ TA: Drugs & Toxicology</p>	<p><u>By Wed:</u> Read Forensic Aspects of Fire Investigation [Ch. 14 in 10th ed. OR Ch. 16 in 11th ed.] (RG) <u>By Fri:</u> Study the Fire Investigation Slides. Work on TA due Mon.</p>	<p><u>Due online:</u> ☼ Discussion posts on this week’s topic ☼ RQ: Forensic Aspects of Fire Investigation [Ch. 14 in 10th ed. OR Ch. 16 in 11th ed.]</p>
<p>Week 12 11/8-11/14</p>	<p><u>Due for Lab:</u> 2 Pre-lab Summaries due: ☼ <u>Methods for the GC (Gas chromatography)</u> ☼ <u>Bloodstain and spatter analysis</u> ☼ TA: Fire Investigation</p>	<p><u>By Wed:</u> Read Bloodstain Pattern Analysis [Ch. 12 in 10th ed. OR Ch.4 in 11th ed.] (RG) <u>By Fri:</u> Review the Blood Spatter Slides Work on TA due Mon.</p>	<p><u>Due online:</u> ☼ Discussion posts on this week’s topic ☼ RQ: Bloodstain Pattern Analysis [Ch. 12 in 10th ed. OR Ch.4 in 11th ed.]</p>
<p>Week 13 11/15-11/21</p>	<p><u>During Lab:</u> ☼ EXAM 3 <u>Presentations. Meet in X104</u> <u>Due for Lab:</u> No pre-lab due. <i>You can bring a note sheet for Exam – see Cobra</i> (☼)Presentation (if it’s your turn). ☼ TA: Blood Spatter</p>	<p><u>By Wed:</u> Read Forensic Serology [Ch. 10 in 10th ed. OR Ch. 14 in 11th ed.] (RG) <u>By Fri:</u> Study the Biochemistry slides and the Blood Typing Slides. Work on TA due Mon.</p>	<p><u>Due online:</u> ☼ Discussion posts on this week’s topic ☼ Webquest 3 (Biochem) AND ☼ RQ: Forensic Serology [Ch. 10 in 10th ed. OR Ch. 14 in 11th ed.]</p>
<p>Week 14 11/22-11/28</p>	<p><u>Due for Lab:</u> 3 Pre-lab Summaries due: ☼ <u>Biochemistry</u> ☼ <u>Blood typing</u> ☼ <u>Blood Detection with Luminol</u> Bring lab midterm notebook to prep for lab final. ☼ TA: Blood Typing</p>	<p>Prep for Lab Final by next Monday</p>	<p><u>No Classes Thurs/Fri at Parkland.</u> <i>Happy Thanksgiving!</i> <u>Due online:</u> Discussion posts on this week’s topic are optional</p> 

WEEK	<p><u>Assignments due MONDAYS, 5:30pm</u> Lab is in M229 unless otherwise noted. Each “☼” symbol indicates a separate prelab due. Find lab title in the table of contents. TA = Team Activity found in course packet (also see table of contents for page number)</p>	<p><u>During the week:</u> <i>Suggested</i> Saferstein text reading deadlines (nothing due in this column); (RG = <i>optional Reading Guide available on Cobra</i>) “OR” is used because there are 2 versions of the textbook. Read carefully.</p>	<p><u>Assignments due SATURDAYS, 11:55pm</u> Reading Quizzes (RQ) for Saferstein’s text (on Cobra) are required And/Or Webquests are due each week. Each “☼” symbol indicates a separate assignment due.</p>
<p>Week 15 11/29-12/5</p>	<p><u>Lab: Lab Final</u> - You will finish analyzing evidence to write up a Final Report due during Week 17 <u>Due for Lab:</u> Lab Final notebook prep. (No prelab due)</p>	<p><u>By Wed:</u> Read DNA [Ch. 11 in 10th ed. OR Ch. 15 in 11th ed.] (RG) <u>By Fri:</u> Study the DNA Typing lecture slides Work on TA due Mon.</p>	<p><u>Due online:</u> ☼ Discussion posts on this week’s topic ☼ RQ: DNA [Ch. 11 in 10th ed. OR Ch. 15 in 11th ed.]</p>
<p>Week 16 12/6-12/12</p>	<p><u>Due for Lab:</u> 1 Pre-lab Summary due: ☼ <u>DNA Extraction & Typing</u> ☼ TA: DNA</p>	<p><u>By Fri:</u> Read the assigned Hot Topics articles found online</p>	<p><u>Due online:</u> ☼ Discussion posts on this week’s topic ☼ <i>Extra credit webquest (optional)</i></p>
<p>Finals Week 12/13-12/19</p>	<p>☼ <u>EXAM 4 during final exam period</u> (<i>You can bring a notesheet</i>). It is not cumulative. Section 002H: Monday. 12/14/15 at 5:30pm-7:30pm (in M225, M230 or X104 – see Cobra)</p>	<p>☼ <u>Final Report due WEDNESDAY, 12/16/15 at 12:00pm – See Cobra</u> <i>Extra credit for turning it in more than 48 hours early.</i></p>	