All 112L Sections, Instructors, Dates, Times, Contact Information

<table>
<thead>
<tr>
<th>Section</th>
<th>Instructor</th>
<th>Date</th>
<th>Time</th>
<th>Contact information</th>
<th>Office Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Cory</td>
<td>M</td>
<td>12:00-3:00 pm</td>
<td>SSMB 314 <a href="mailto:coryw@cofc.edu">coryw@cofc.edu</a></td>
<td>M W 10-11 Th 11-12</td>
</tr>
<tr>
<td>3</td>
<td>Prof. Potter</td>
<td>M</td>
<td>3:30-6:30 pm</td>
<td>SSMB 122 <a href="mailto:cpotter@cofc.edu">cpotter@cofc.edu</a></td>
<td>by appointment</td>
</tr>
<tr>
<td>4</td>
<td>Prof. Potter</td>
<td>M</td>
<td>7:00-10:00pm</td>
<td>SSMB 122 <a href="mailto:cpotter@cofc.edu">cpotter@cofc.edu</a></td>
<td>by appointment</td>
</tr>
<tr>
<td>7</td>
<td>Dr. Boussert</td>
<td>T</td>
<td>3:30-6:30 pm</td>
<td>SSMB 140 <a href="mailto:boussertsm@cofc.edu">boussertsm@cofc.edu</a></td>
<td>By appointment</td>
</tr>
<tr>
<td>8</td>
<td>Dr. Mitchell</td>
<td>T</td>
<td>7:00-10:00 pm</td>
<td>SSMB 124 <a href="mailto:wigginsmithelln@cofc.edu">wigginsmithelln@cofc.edu</a></td>
<td>by appointment</td>
</tr>
<tr>
<td>9</td>
<td>Dr. Gailbreath</td>
<td>W</td>
<td>12:00-3:00 pm</td>
<td>SSMB 114 <a href="mailto:gailbreathbd@cofc.edu">gailbreathbd@cofc.edu</a></td>
<td>by appointment</td>
</tr>
<tr>
<td>10</td>
<td>Dr. Gailbreath</td>
<td>W</td>
<td>3:30-6:30 pm</td>
<td>SSMB 114 <a href="mailto:gailbreathbd@cofc.edu">gailbreathbd@cofc.edu</a></td>
<td>by appointment</td>
</tr>
<tr>
<td>11</td>
<td>Dr. Cory</td>
<td>Th</td>
<td>12:30-3:30 pm</td>
<td>SSMB 314 <a href="mailto:coryw@cofc.edu">coryw@cofc.edu</a></td>
<td>M W 10-11 Th 11-12</td>
</tr>
<tr>
<td>6</td>
<td>Dr. Jafri</td>
<td>Th</td>
<td>4:00-7:00 pm</td>
<td>SSMB 326 <a href="mailto:jafri@cofc.edu">jafri@cofc.edu</a></td>
<td>by appointment</td>
</tr>
</tbody>
</table>

**Note:** The syllabus is subject to change by the instructors. Any changes will be announced and posted on OAKS. Individual instructors may have additional syllabus information relevant to their section.

**Class Location:** SSMB 115

**Pre-requisites:** CHEM 111, CHEM 111L, MATH 111 or equivalent

**Co-requisite:** CHEM 112 and CHEM 112L are co-requisite courses. If you withdraw from one you must withdraw from the other.

**Required Materials:**
1. Lab Manual “CHEM 112L: Research-Based Laboratory Manual” (version 12)
2. Composition book *(sewn pages)* to serve as lab notebook.
   A spiral-bound composition book is not acceptable. The pages must be sewn. These cost $1 or less at a drugstore.
3. Ballpoint pen, black preferred for all lab notebook recording
4. A lab coat
5. Scientific calculator with logarithmic and exponential functions
6. Box of nitrile gloves (at least 50 gloves per box is recommended) – can be purchased at drug store (ex. CVS, Walgreens). Do not bring polyvinyl or latex gloves.
7. **Socks** that cover your ankles
8. Pants that cover your ankles
9. Safety goggles, safety glasses, or face shield
Required Software:

OAKS: OAKS will be used for this course throughout the semester to provide the syllabus and class materials. Grades will be posted periodically.

Course Catalog Description: A laboratory course designed to introduce students to the application of the scientific method in solving chemical problems and to acquaint them with specific tools and techniques used in the chemistry laboratory, while reinforcing and illustrating concepts encountered in lecture. Laboratory three hours per week.

Student Learning Outcomes:
1. Practice scientific method in a chemistry laboratory setting
2. Perform the following techniques in a laboratory setting: pipetting, preparing solutions in volumetric flasks, sonication, centrifugation
3. Prepare solutions of a tablet sample, headache powder, and standard material in the laboratory
4. Employ mathematical manipulations using acquired data
5. Interpret scientific data

General Education Student Learning Outcomes:
1. Students apply physical/natural principles to analyze and solve problems.
2. Students develop an understanding of the impact that science has on society.

These outcomes will be assessed in the final lab report and an assessment assignment. This assignment will account for 20% of the total course grade.

Instructional Objectives: This semester of CHEM 112L will include a semester-long research project in which we will investigate the degradation of melatonin (a sleep medication) in pills stored under extreme conditions (high heat and humidity). Lab techniques we will learn and use in our research include UV/Vis spectrophotometry, pH measurement, and high performance liquid chromatography (HPLC). Preparation of a buffer and quantitative solutions will be a part of the research project, as well as the use of a sonicator and centrifuge.

Attendance Policy: Labs are experiential learning courses that emphasize the scientific method and data interpretation and they provide training in essential technical skills for chemists and other scientists. Furthermore, the technical lab skills presented in one course are assumed to have been mastered in subsequent chemistry courses. Thus, attendance in all lab periods is mandatory.

That being said, do not attend lab if you are sick or under quarantine. If you have to miss lab, you must notify your professor before the beginning of the scheduled lab period to be eligible to do a makeup assignment for the lab. Be prepared for your instructor to ask you to share documentation of illness. If you do not, you will be assigned a grade of zero for all items due that week. Likewise, if a makeup assignment is not completed within the time allowed by the instructor, you will be assigned a zero for that assignment.
Because excessive (>2 missed lab periods) absences from lab will diminish your lab experience and are a significant strain on your instructor, please do not request these accommodations unless absolutely necessary. Again, be prepared for your instructor to ask you to share documentation of illness. If you miss more than two weeks of lab for any reason, you must talk to your professor about your options, including withdrawing and retaking it in a future semester when you are able to fully participate in the class. A makeup assignment due to illness or quarantine is only guaranteed for a maximum of two excused absences during the semester.

You must be on time for lab. Prelab instruction begins at the start of lab and you must hear about the day’s lab experiment and associated safety concerns. The lab door will be locked 5 minutes after the beginning of lab; if the door is locked and you miss lab because of this, you will get a grade of zero, and this will count as one of your two allowed absences.

Lab Notebook: Each week, the procedure for the experiment to be performed should be written into your lab notebook before lab begins. You may also use drawings to describe what you will be doing in lab if you prefer. There will be short instructional videos posted on OAKS to help you visualize what you are supposed to do each week. You do not need to write instructions for using equipment in your lab notebook (ex. pH meter, SpectraSuite software). You will upload a scan of your lab notebook to the OAKS Dropbox by 9:00 am the morning of the day of your lab so your instructor has time to look it over before lab. Therefore, do not wait until right before lab to look at the procedure for that week. Additional notes can be added when you attend a brief prelab lecture. You will lose 50% if you submit prelab notebook pages to OAKS after 9:00 am but before the start of lab. Pages submitted after the start of lab will not be accepted.

A laboratory notebook should provide a full record of what was performed during the experiment. Most importantly, all data must be recorded in your lab notebook as soon as it is generated. All calculations should be shown in the laboratory notebook such that the instructor may follow your logic and check for calculation errors. Your laboratory instructor will check, initial and date your notebook data at the end of each experiment to ensure that everything is properly recorded (and will give you valuable feedback if it is not). Each student is expected to observe the College of Charleston Policy on Scientific Integrity (found in your lab manual) and the College of Charleston Honor Code found in this syllabus.

Weekly assignments and report sheets: Assignments will include weekly lab report sheets (found in your lab manual) and some writing assignments. In general, lab report sheets will be completed the same day as the experiment and turned into the instructor before you leave lab. Writing assignments will be completed outside of lab and your instructor may request that they are submitted as a printed document at the start of the follow lab period and/or electronically via OAKS Dropbox.

Final Lab Report: The final project will be a lab report describing the research conducted on melatonin pills. With your final lab report, you will turn in a folder containing all drafts of previous graded and peer-reviewed writing assignments. The final report will also be submitted online and be checked using Turnitin software to assess plagiarism. If any part of the report is found to be plagiarized or produced by AI, the report will be given a grade of zero and the incident will be reported to the Dean of Students. See the schedule for the due date of the final report.

Turnitin: All written assignments will be submitted to an OAKS Dropbox and analyzed by Turnitin to detect plagiarism and to evaluate writing and grammar. By submitting your written work to Turnitin, “you hereby grant to Turnitin, its affiliates, vendors, service providers, and licensors a non-exclusive, royalty-free, perpetual, worldwide, irrevocable license to use such papers, as well as feedback and results, for the limited purpose of a) providing the Services, and b) for improving the quality of the services generally. If you have any questions, please refer to the End User Agreement found at https://turnitin.com/agreement.asp"
Writing produced by AI, including but not limited to ChatGPT: If your instructor suspects that you have submitted any writing that was produced by AI, you will be required to undergo an impromptu oral examination on the topic by your instructor or Dr. Cory. Alternatively, you will be given a zero on the assignment. If this happens more than once, all evidence will be submitted to the Dean of Students in accordance with the standards of the honor code as outlined in the Student Handbook. Please also be aware that Turnitin is being trained to recognize and report writing submitted using Chat GPT and other AI apps.

Inclement Weather, Pandemic or Substantial Interruption of Instruction: If the College of Charleston closes and members of the community are evacuated due to inclement weather, you are responsible for taking course materials with you in order to continue with course assignments consistent with instructions provided by faculty. All students must have access to a computer equipped with a web camera, microphone, and Internet access.

Disability Services: Center for Disability Services: The Center for Disability Services/SNAP is committed to assisting qualified students with disabilities achieve their academic goals by providing reasonable academic accommodations under appropriate circumstances. If you have a disability and anticipate the need for an accommodation in order to participate in this class, please connect with the Center for Disability Services/SNAP. They will assist you in getting the resources you may need to participate fully in this class. You can contact the Center for Disability Services/SNAP office at 843.953.1431 or at snap@cofc.edu. You can find additional information and request academic accommodations at the Center for Disability Services/SNAP website.

If you are a student with a documented disability who will require accommodations in this course, you must provide the proper documentation in the form of a Professor Notification Letter (PNL) during the first week of class.

College of Charleston Honor Code and Academic Integrity: As members of the College of Charleston community, we affirm, embrace and hold ourselves accountable to the core values of integrity, academic excellence, liberal arts education, respect for the individual student, diversity, equity and inclusion, student centeredness, innovation and public mission. Congruent with these core values, the College of Charleston expects that every student and community member has a responsibility to uphold the standards of the honor code, as outlined in Student Handbook. In pursuit of academic learning, you are expected to reference the work of other scholars, and complete your own academic work, while utilizing appropriate resources for assistance. Any acts of suspected academic dishonesty will be reported to the Office of the Dean of Students and addressed through the conduct process. Your adherence to these practices and expectations plays a vital role in fostering a campus culture that balances trust and the pursuit of knowledge while producing a strong foundation of academic excellence at the College of Charleston. Any questions regarding these expectations can be clarified by your instructor.

Lying, cheating, attempted cheating, and plagiarism are violations of our Honor Code that, when suspected, are investigated. Each incident will be examined to determine the degree of deception involved.

Incidents where the instructor determines the student’s actions are related more to misunderstanding and confusion will be handled by the instructor. The instructor designs an intervention or assigns a grade reduction to help prevent the student from repeating the error. The response is recorded on a form and signed both by the instructor and the student. It is forwarded to the Office of the Dean of Students and placed in the student’s file.

Cases of suspected academic dishonesty will be reported directly by the instructor and/or others having knowledge of the incident to the Dean of Students. A student found responsible by the
Honor Board for academic dishonesty will receive a XXF in the course, indicating failure of the course due to academic dishonesty. This status indicator will appear on the student’s transcript for two years after which the student may petition for the XX to be expunged. The F is permanent.

Students can find the complete Honor Code and all related processes in the Student Handbook.

Always remember, Safety First!
If you do not have the appropriate safety gear, you will not be allowed to work in the lab. You will be told to leave. No exceptions.

1. You must wear your safety goggles or safety glasses at all times in the lab.
2. Long pants are required. You must have full coverage down to your shoes (wear socks).
3. Lab coats are required to ensure full coverage and protect your clothes.
4. Nitrile gloves must be worn when working with solutions and other reagents.
5. Footwear must provide adequate protection to the entire foot. Sandals, open toe shoes, mesh top shoes, boat shoes and shoes with extremely high or narrow heels are considered inappropriate for laboratory conditions and will not be permitted. No skin should be visible below the knees.
6. Socks are required. If you wear leggings/pants and ankle socks to class, you will be asked to leave until you have socks that cover your ankles. No skin should be visible below the knees.
7. You are required to tie back long hair.
8. You are required to watch the lab safety PowerPoint that is presented by your instructor and pass the safety quiz with a minimum grade of 70%.

Lab Clean-up: The cleanliness of the lab is related to the safety of the lab. It is your responsibility to clean all glassware you use and leave a clean station. Points will be deducted from your “Lab Safety and Rules” if you leave before cleaning. Your instructor will check your station each week.

Grading Scheme: Grades will be posted on OAKS.

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Grade Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lab Notebook</td>
<td>20%</td>
</tr>
<tr>
<td>Lab Safety and Rules</td>
<td>5%</td>
</tr>
<tr>
<td>Assignments and report sheets</td>
<td>50%</td>
</tr>
<tr>
<td>Turning in all previously graded drafts at the end of the semester</td>
<td>5%</td>
</tr>
<tr>
<td>Final Lab Report</td>
<td>20%</td>
</tr>
</tbody>
</table>
Letter Grades and Percentage Ranges

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>XXF</th>
<th>F</th>
<th>D</th>
<th>C-</th>
<th>C</th>
<th>C+</th>
<th>B-</th>
<th>B</th>
<th>B+</th>
<th>A-</th>
<th>A</th>
</tr>
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<tbody>
<tr>
<td>Numerical grade</td>
<td>Failure due to dishonesty</td>
<td>Below 70</td>
<td>70</td>
<td>71-72</td>
<td>73-74</td>
<td>75-79</td>
<td>80-82</td>
<td>83-86</td>
<td>87-89</td>
<td>90-92</td>
<td>93-100</td>
</tr>
</tbody>
</table>

**Late Work Policy:** If an assignment is turned in late, whether it was due in person or on OAKS (or both), you will lose points. All of the due dates can be found on the schedule on the last page of this syllabus.

- Late pre-lab notebook work will not be accepted, as it must be completed before lab begins.
- If an assignment is turned in after lab is over (lab is over when the last student leaves the lab) but before midnight of the due date, the grade will be reduced 25%. After this, it will not be accepted and the grade will be zero.
- On a week where there is a peer review assignment happening during lab, you must submit your draft on OAKS, bring a **printed copy** of your work to class, and **be on time**. If you do not arrive on time with a printed copy, you will not be able to participate in the peer review and you will receive a zero for this assignment. Peer review begins promptly at the beginning of lab and you cannot participate if you are late. You can learn more about the process of printing at the library [here](#).
- Your final lab report is due at the start of the last class meeting (a printed copy and submitted on OAKS.) You will lose 25% for being late (after lab begins but before midnight of the due date) – hard copy and OAKS uploaded submission. It will not be accepted after midnight the day it is due.
- Lab notebooks are due during at the beginning of the last class meeting. You will lose 50% for turning it in late on the day that it is due, and after midnight of that last day of class it will not be accepted.

**Mental & Physical Wellbeing:** We take every students’ mental and physical wellbeing seriously. If you find yourself experiencing physical illnesses, please reach out to student health services (843.953.5520). And if you find yourself experiencing any mental health challenges (for example, anxiety, depression, stressful life events, sleep deprivation, and/or loneliness/homesickness) please consider contacting either the Counseling Center (professional counselors at CoC Counseling Center or 843.953.5640 3rd Floor of Robert Scott Small Building) or the Students 4 Support (certified volunteers through texting “4support” to 839863, or meet with them in person 411 (4th Floor) Stern Center). Learn more about [Students 4 Support on CofC’s Hub](#). These services are there for you to help you cope with difficulties you may be experiencing and to maintain optimal physical and mental health.

**Food & Housing Resources:** Many CoC students report experiencing food and housing insecurity. If you are facing challenges in securing food (such as not being able to afford groceries or get sufficient food to eat every day) and housing (such as lacking a safe and stable place to live), please contact the Dean of Students for support ([SALT - Student Affairs Leadership Team](#)). Also, you can go to [Student Food and Housing Insecurity](#) to learn about food and housing assistance that is available to you. In addition, there are several resources on and off campus to help. You can visit the Cougar Pantry in the Stern Center (2nd floor), a student-run food pantry that provides dry-goods and hygiene products at no charge to any student in need.

**Inclusion:** The [Multicultural Student Programs and Services](#) provides a safe haven for students to develop connections with other students. It exists to help students be successful,
provide advocacy, support services, and culturally based programs that educate about diversity and multiculturalism and empower them to be agents of social change in an increasingly diverse and global community.

The College of Charleston offers many resources for LGBTQ+ students, faculty and staff along with their allies.

Preferred Name and Pronoun Information
On Campus Gender Inclusive facilities
Campus Resources
College of Charleston Reporting Portals
National Resources for Faculty & Staff
GSEC Reports
Documenting LGBTQ Life in the Lowcountry (CofC Addlestone Library Special Collections Project)
College of Charleston Quality Enhancement Plan (QEP)
Articles about CofC and LGBTQ+ Issues

Diversity and Inclusion in the classroom: I am committed to creating an inclusive and accessible classroom environment for all students. I view the diversity that students bring to this class as a resource, strength, and benefit. It is my intent to present materials and activities that are respectful of diversity: gender, sexuality, disability, generational status, socioeconomic status, ethnicity, race, religious background, and immigration status. Any suggestions for promoting a positive and open environment will be appreciated and given serious consideration.

I will gladly honor your request to address you by the name and gender pronouns of your choice. Please advise me of this early in the semester via your college-issued email account or during office hours so that I may make the appropriate notation on my class list.

Land and Labor Acknowledgement: We are located on the traditional lands of the first people of Charleston: the Etiwan, Kiawah, Edisto Natchez Kusso, Santee, and Wassamassaw people (also known as Varner Town Indians). We acknowledge and honor all indigenous people who lived, labored and were faithful stewards of the land. We express our deep gratitude for the land and continued faithful stewardship to the next generations.

We also acknowledge the lives and labor of the Africans who were enslaved to build Charleston, South Carolina. On this campus and in this space, African and African-descended people used skilled labor in ornamental ironwork, historic architecture, and low country agriculture and food production. As a member of the College of Charleston community, I acknowledge the Black lives and labor that built our city and our campus.

Religious Accommodation for Students: The College of Charleston community is enriched by students of many faiths that have various religious observances, practices, and beliefs. We value student rights and freedoms, including the right of each student to adhere to individual systems of religion. The College prohibits discrimination against any student because of such student’s religious belief or any absence thereof.

The College acknowledges that religious practices differ from tradition to tradition and that the demands of religious observances in some traditions may cause conflicts with student schedules. In affirming this diversity, like many other colleges and universities, the College supports the concept of “reasonable accommodation for religious observance” in regard to class attendance, and the scheduling of examinations and other academic work requirements, unless the accommodation would create an undue hardship on the College. Faculty are required, as part of their responsibility to students and the College, to ascribe to this policy and to ensure its fair and full implementation.
The accommodation request imposes responsibilities and obligations on both the individual requesting the accommodation and the College. Faculty members are expected to reasonably accommodate individual religious practices. Examples of reasonable accommodations for student absences might include: rescheduling of an exam or giving a make-up exam for the student in question; altering the time of a student’s presentation; allowing extra-credit assignments to substitute for missed class work or arranging for an increased flexibility in assignment dates. Regardless of any accommodation that may be granted, students are responsible for satisfying all academic objectives, requirements and prerequisites as defined by the instructor and by the College.

2022 – 2023 Religious Holidays

<table>
<thead>
<tr>
<th>Date</th>
<th>Holiday</th>
<th>Religion</th>
</tr>
</thead>
<tbody>
<tr>
<td>February 22, 2023</td>
<td>Ash Wednesday (Beginning of Lent)</td>
<td>Christian</td>
</tr>
<tr>
<td>February 27, 2023</td>
<td>Eastern Orthodox Beginning of Lent</td>
<td>Orthodox Christian</td>
</tr>
<tr>
<td>March 7, 2023</td>
<td>Purim</td>
<td>Jewish</td>
</tr>
<tr>
<td>March 21, 2023</td>
<td>Naw-Rúz</td>
<td>Baha’i</td>
</tr>
<tr>
<td>March 23 – April 20, 2023</td>
<td>Ramadan</td>
<td>Muslim</td>
</tr>
<tr>
<td>April 6 – April 13, 2023</td>
<td>Passover²</td>
<td>Jewish</td>
</tr>
<tr>
<td>April 7, 2023</td>
<td>Good Friday</td>
<td>Christian</td>
</tr>
<tr>
<td>April 14, 2023</td>
<td>Good Friday (Orthodox)³</td>
<td>Orthodox Christian</td>
</tr>
<tr>
<td>April 21, 2023</td>
<td>Ridván</td>
<td>Baha’i</td>
</tr>
<tr>
<td>April 21 – April 22, 2023</td>
<td>Eid al-Fitr</td>
<td>Muslim</td>
</tr>
</tbody>
</table>

¹ The previously included Islamic holiday of Eid al-Adha falls outside the regular academic year and is therefore not listed here. Other religious holidays such as Hanukkah (12/19-12/26), Orthodox Christian Christmas (1/7), Sankranti (1/14) and Purim (3/7) fall outside of the semester class schedule (breaks and weekends) and therefore are also not listed.

² All Jewish holidays begin at sunset on the evening before the date given.

³ Orthodox Christian holidays begin at sunset on the evening before the date given.
## Chemistry 112L – Principles of Chemistry Laboratory

### Spring 2023

<table>
<thead>
<tr>
<th>Wk</th>
<th>Date*</th>
<th>Experiments</th>
<th>Sample Pull</th>
<th>Assignment due</th>
</tr>
</thead>
</table>
| 1  | 1/23–1/26 | Safety Presentation, safety quiz  
PPE and lab materials check  
Drawer/Hood check-in  
Create map of SSMB 115 lab |  | Presenting all PPE to instructor  
Lab map  
Drawer check-in |
| 2  | 1/30–2/2 | How to use ChemDraw  
Prepare melatonin pill samples for storage in environmental chamber | put in chamber | ChemDraw Assignment |
| 3  | 2/6–2/9 | How to use Web of Science  
Making standard solutions and serial dilutions with quantitative glassware |  | Summary of Accelerated Degradation of Ibuprofen  
Report Sheet (RS) 3 |
| 4  | 2/13–2/16 | Analyzing standard solutions and serial dilutions with UV/Visible Spectrophotometry  
Using Excel for Lab Data | 2-week | Summary of chosen research paper  
RS 4 |
| 5  | 2/20–2/23 | Making a 50 mM formate buffer of pH = 3.0 |  | RS 5 |
| 6  | 2/27–3/2 | How to write a lab report  
HPLC of aspirin, acetaminophen, and caffeine | 4-week | RS 6 – pt. 1 & 2 |
| 7  | 3/6–3/10 | ** Spring Break – No Classes ** |  |  |
| 8  | 3/13–3/16 | Peer Review of Introduction  
Interpretation of aspirin, acetaminophen and caffeine HPLC results | 6-week | Bring Introduction section – printed copy  
also upload to OAKS  
RS 7 |
| 9  | 3/20–3/23 | Preparing exposed and control melatonin samples and conducting HPLC analysis |  | Assignment to be announced |
| 10 | 3/27–3/30 | Peer Review of Methods and Materials  
Continue preparing exposed melatonin and control samples and conducting HPLC analysis | 8-week | Bring Methods and Materials section – printed copy  
also upload to OAKS |
| 10 | 4/3–4/6 | Interpretation of melatonin HPLC data, individual and group  
Discuss impact of inactive ingredients, degradation products |  | RS 10 |
| 11 | 4/10–4/13 | LAB REPORTS DUE AT BEGINNING OF LAB  
Peer Review of Draft Lab Reports |  | Science-Based Persuasive Writing Assignment  
Bring Final Report  
published copy  
also upload to OAKS |
| 12 | 4/17–4/20 | FINAL LAB REPORT DUE, including all previous drafts  
Lab Notebook due  
Equilibrium Problem Review |  | (1) Lab Notebook,  
(2) Final Report with peer review feedback incorporated  
(3) All previous drafts and feedback |

Green = items to be submitted on OAKS before lab begins. Red = items to bring physical copies to lab with you on that day. Blue = items to be completed during lab, due at the end of the lab exercise.

*It is your responsibility to have printed copies at the time your lab begins. Otherwise you will not be participating in peer review and will receive a zero. Please plan ahead and proceed accordingly. You can learn more about the process of printing at the library [here](#).