

# BIOSCI 0835 Our Changing World Syllabus

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2021-09-02

# Contents

<b>1</b>	<b>Welcome!</b>	<b>7</b>
<b>2</b>	<b>Introduction</b>	<b>9</b>
<b>3</b>	<b>Meeting times</b>	<b>11</b>
<b>4</b>	<b>Instructor</b>	<b>13</b>
<b>5</b>	<b>Assessment overview</b>	<b>15</b>
<b>6</b>	<b>Academic integrity</b>	<b>17</b>
<b>7</b>	<b>Course communication - Overview</b>	<b>19</b>
7.1	Primary modes of communication . . . . .	19
<b>8</b>	<b>Course communication - Email and Canvas Messages</b>	<b>21</b>
<b>9</b>	<b>Communication - University email policy</b>	<b>23</b>
<b>10</b>	<b>Catalog description</b>	<b>25</b>
<b>11</b>	<b>Course materials</b>	<b>27</b>
<b>12</b>	<b>Course content is cumulative</b>	<b>29</b>
<b>13</b>	<b>Disability Resource &amp; Services</b>	<b>31</b>
<b>14</b>	<b>Extra credit policies</b>	<b>33</b>
<b>15</b>	<b>Grade and exam inquiries</b>	<b>35</b>
<b>16</b>	<b>Grading scale</b>	<b>37</b>
<b>17</b>	<b>Test and class averages</b>	<b>39</b>
<b>18</b>	<b>Masks and COVID-19</b>	<b>41</b>

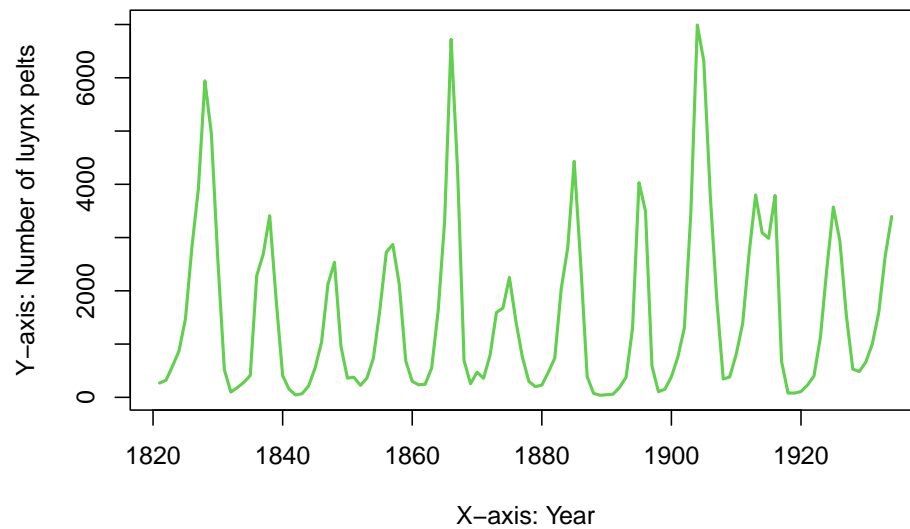
<b>19 Mental health &amp; wellness</b>	<b>43</b>
19.1 Resources: . . . . .	43
<b>20 Lectures &amp; Mini-quiz questions</b>	<b>45</b>
<b>21 Office hours</b>	<b>47</b>
21.1 INSTRUCTOR OFFICE HOURS . . . . .	47
21.2 UTA OFFICE HOURS . . . . .	47
21.3 Individual appointments . . . . .	47
<b>22 Office hours tips</b>	<b>49</b>
<b>23 Office hours canceled after tests</b>	<b>51</b>
<b>24 Office hours canceled finals week</b>	<b>53</b>
<b>25 Online attendance</b>	<b>55</b>
25.1 Qualifying conditions . . . . .	55
25.2 Quarantine . . . . .	55
25.3 Privacy . . . . .	55
<b>26 Partial credit</b>	<b>57</b>
<b>27 Point allocation</b>	<b>59</b>
<b>28 Practice tests</b>	<b>61</b>
<b>29 Rounding numeric responses</b>	<b>63</b>
29.1 How to round . . . . .	63
<b>30 Semester schedule</b>	<b>65</b>
<b>31 Weekly schedule</b>	<b>67</b>
<b>32 Lecture slides</b>	<b>69</b>
<b>33 How to succeed in this course</b>	<b>71</b>
<b>34 Final exam</b>	<b>73</b>
<b>35 Exam study guides</b>	<b>75</b>
35.1 Study guides . . . . .	75
<b>36 Test grading policies</b>	<b>77</b>
36.1 Number of tests & drop/replace policy. . . . .	77
36.2 Test length & format . . . . .	77
36.3 Test question formats . . . . .	78

<i>CONTENTS</i>	5
<b>37 Tests</b>	<b>79</b>
37.1 General Test policies & Information: . . . . .	79
37.2 Testing technology policies . . . . .	79
<b>38 TopHat</b>	<b>81</b>
<b>39 Updates to schedule &amp; syllabus</b>	<b>83</b>
<b>40 Videos of lectures</b>	<b>85</b>
<b>41 FAQ - Frequently Asked Questions</b>	<b>87</b>
41.1 “What textbook will we use?” . . . . .	87
41.2 “What content is asynchronous?” . . . . .	87
41.3 “I’m not arriving until after the 1st day of class - is that a problem?”	87
41.4 “I joined the class late, what can I do?” . . . . .	87
<b>42 Zoom</b>	<b>89</b>

# Chapter 1

## Welcome!

This is the syllabus for BioSci 0835, our changing world



## Chapter 2

# Introduction

**This is the syllabus for BIOSCI 0835: Our Changing World.**

The first several pages contain key information about the course. Subsequent pages are organized alphabetically by major topic.

Your first assignment in the class will be to read through the syllabus and complete a “Syllabus treasure hunt” assignment on Canvas.

## Chapter 3

# Meeting times

The course will meeting in-person on Tuesdays and Thursday.

**Location:** 169 Crawford Hall **Days:** Tuesday & Thursday

**Times:** 1:00PM - 2:15PM Aug 31, 2021-Dec 10, 2021

169 Crawford is 1 floor below street level, next to the elevators. Enter through Langley Hall near The corner of Tennyson and Bigelow

There is no recitation for this course.

The official Pitt **Academic Calendar** can be found [here](<https://catalog.upp.pitt.edu/mime/media/212/3179/Academic+Calendar+2021-2022.pdf>):  
<https://catalog.upp.pitt.edu/mime/media/212/3179/Academic+Calendar+2021-2022.pdf>

## Chapter 4

# Instructor

**Nathan L. Brouwer**, PhD Office: Langley Hall 215A  
(In the former Neuroscience office suite)  
Email: nlb24 at pitt.edu



## Chapter 5

# Assessment overview

The primary form of assessment in the course will be 4 unit tests and a comprehensive final.

Each test will cover about 4 1/2 weeks of materials.

Approximately 75% of your grade will be based on these tests.

Other forms of assessment include

- Assignments
- “In-class” participation through TopHat. (All in-class assignments will remain open for 24 hours)
- **Exam re-works** that allow you to review the tests (these count as assignments and do not add points to your exam)
- Numerous short “micro-quizzes” within lectures to build vocab and test comprehension

As detailed elsewhere in the syllabus a portion of each of these individuals components of your grade will be dropped to accommodate illness or other personal issues. You do not need to submit information (e.g. from a doctor) when you miss an assignment or test.

Sometimes assignments or questions will be marked as being based partially or entirely scored for participation. These assignments ARE required - “for participation” does NOT mean optional.

Occasionally, fully optional assignments worth 0 points will be released - these will be clearly marked as worth 0 points and for practice only.

The syllabus will take you step-by-step through all the policies related to these elements of the course.

## Chapter 6

# Academic integrity

Dr. Brouwer, the Bio Sci department, and the University all take academic integrity very seriously. Cheating includes any form of plagiarism, including copying other students' work or using other resources without proper attribution.

1. If you are caught cheating on a graded assignment, you will receive a zero on the assignment.
2. If you are caught cheating on an exam, you will receive a zero on the exam, an F in the course, and an Academic Integrity Violation Report will be filed.

Below is the University's Policy on Academic Integrity:

“Students in this course are expected to comply with the University of Pittsburgh School of Arts & Sciences Academic Integrity Code located at [www.as.pitt.edu/faculty/policy/integrity.html](http://www.as.pitt.edu/faculty/policy/integrity.html). Any student suspected of failing to meet the student obligations of the code during the semester will be required to participate in the procedures for adjudication, initiated at the instructor level. This may include, but is not limited to, confiscation of the assignment of any individual suspected of violating the code. A minimum sanction of a zero score for the assignment will be imposed. Violation of the Academic Integrity Code requires the instructor to submit an Academic Integrity Violation Report to the Dean.”

## Chapter 7

# Course communication - Overview

### 7.1 Primary modes of communication

All important details will be sent via Canvas messages and mentioned/discussed in class. It is your responsibility to regularly check Canvas messages to stay abreast of the course. Most communication will occur on Fridays, but important updates may be sent out at other times.

## Chapter 8

# Course communication - Email and Canvas Messages

Announcements to the whole course via Canvas will occur typically on **Friday** afternoons. Other communication related to course administration will also occur via Canvas messages. It is your responsibility to regularly check Canvas messages to stay abreast of the course.

You can message me on Canvas or email me at nlb24 at pitt.edu.

Please include “OCW” (Our changing world) as the 1st thing in your email subject line with an informative bit of information as the “...”. e.g. “OCW: problem accessing TopHat”.

If you use another email service as your primary email (eg GMail) please set your Pitt email to forward there.

For info on forwarding your Pitt email to your personal account follow this link: <https://bit.ly/2Riz7dx>

I try to answer all emails received on weekdays before 5 pm within 24-36 hrs. Emails received after 5 pm will be answered at the earliest the following morning. Emails received on the weekend will be answered Monday.

Please consult this syllabus before asking questions about course policies and the schedule, and refer to relevant information such as URLs, subject headings or dates. Screenshotting is super helpful. If the entire answer to your question can be found in the syllabus I will likely respond by saying something like

*“This is in the syllabus, Cheers, Dr. B.”*

Questions relevant to the whole class may be re-posted (with identifying details removed) to Canvas.

## Chapter 9

# Communication - University email policy

Each student is issued a University e-mail address (username at pitt.edu). This e-mail address may be used by the University for official communication. Students are expected to read e-mail sent to this account on a regular basis. Failure to read and react to University communications in a timely manner does not absolve the student from knowing and complying with the content of the communications.

The University provides an e-mail forwarding service that allows students to read their e-mail via other service providers. Students that choose to forward their e-mail from their pitt.edu address to another address do so at their own risk. If e-mail is lost as a result of forwarding, it does not absolve the student from responding to official communications sent to their University e-mail address.

To forward e-mail sent to your University account, go to <http://accounts.pitt.edu>, log into your account, click on Edit Forwarding Addresses, and follow the instructions on the page. Be sure to log out of your account when you have finished.

For the full E-mail Communication Policy, go to [bc.pitt.edu/policies/policy/09/09-10-01.html](http://bc.pitt.edu/policies/policy/09/09-10-01.html).

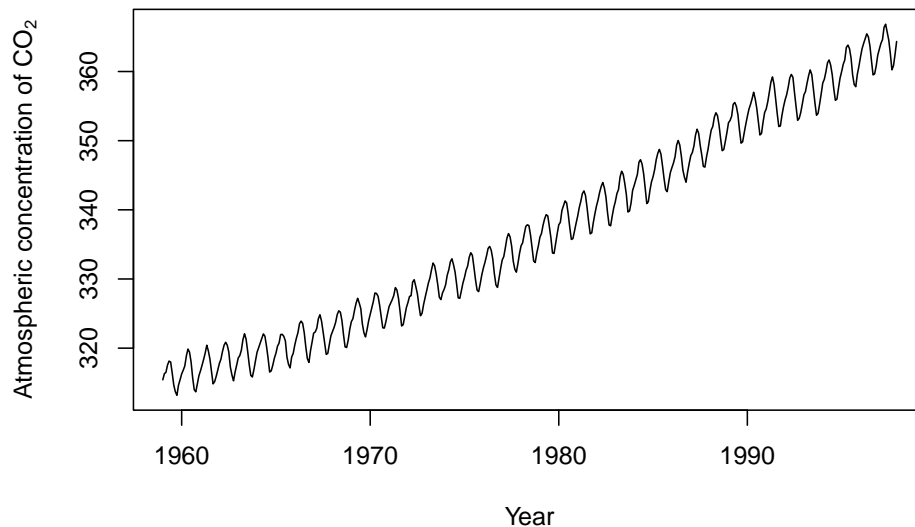
## Chapter 10

# Catalog description

The catalog description of this course is:

“This course is an introduction to the evolutionary and ecological forces that change our world. We will consider how organisms change over time (evolution), how they interact with each other and with their environment (ecology), and how they assemble as communities and ecosystems. We will then apply these concepts to understand how human activity is changing the biosphere.”

### Monthly CO<sub>2</sub> observations in ppm, Mauna Loa, HI



## Chapter 11

### Course materials

Thanks to an open educational resources (OER) grant from the state of Pennsylvania there is no text to purchase for this course. **All readings will be provided as webpages or PDFs.** Most readings will be based on chapters from the LibreText / OpenStax biology text books and similar open-source projects.



## Chapter 12

# Course content is cumulative

Content within the course is technically cumulative with each test referring back to concepts from previous material!

**Luckily, this integration will occur within the lectures also so you shouldn't be surprised by the connections being made.**

For example, evolution and speciation (covered during the middle of the course) are all related to mutation and genomics (cover the first few weeks).



## Chapter 13

# Disability Resource & Services

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and Disabilities Resources and Services. DRS will verify your disability and determine reasonable accommodations.

216 William Pitt Union  
(412) 648-7890  
(412) 383-7355 (TTY)

## Chapter 14

# Extra credit policies

Extra credit will be made available at times; I will decide when to do it. Requests for extra credit opportunities are likely to be ignored. I will not come up with extra credit assignments on a person-by-person basis.

“Buffer questions” on the mini-tests, test revision, and final are NOT extra credit.

“Buffer questions” on the mini-tests and the final are NOT extra credit.

Exam revision assignments are not extra credit and do not add points to your test score.

## Chapter 15

# Grade and exam inquiries

If you are concerned that your grade has been miscalculated, a key was wrong, or that there were multiple correct answers please fill out a **Grade Inquiry Form**. A link will be provided when the form is ready for us.

I will briefly evaluate all submitted forms to determine if there is an issue that requires immediate attention. *Otherwise, the resolution of the issue will not occur until grades are calculated.*

*AFTER* final grades have been calculated I will determine if the resolution of issues on a Grade Inquiry form will impact your final grade.

If your final grade will potentially be impacted I will fully evaluate your inquiry and notify you via email regarding its resolution.

If you did not receive information about your inquiry it means your final grade would not have been impacted.

Inquiries about exam are due one week after its key is released.

Unless you submitted an Exam Inquiry Form I will not discuss specific test questions during office hours.

Inquiries about the final exam will not be addressed until the next semester.

## Chapter 16

# Grading scale

**Note:** Students planning to major in Biological Sciences must pass this course with a C (not C- !) or better. Rounding is not done until final grades are computed and is done by computer to 1 decimal place.

Final letter grades are assigned after rounding and is done automatically by Canvas including the decimal value. For example, a score of 91.99% rounds to 92.0% and is an A, but a score of 91.94% rounds to 91.9% and is an A-.

Note: Students planning to major in Computational Biology must pass this course with a C (not C- !) or better.

## Chapter 17

# Test and class averages

I do not report the mean, max or other information about test score or the class as a whole..

## Chapter 18

# Masks and COVID-19

During this pandemic, it is extremely important that you abide by the public health regulations, the University of Pittsburgh's health standards and guidelines, and Pitt's Health Rules.

These rules have been developed to protect the health and safety of all of us. Universal face covering is required in all classrooms and in every building on campus, without exceptions, regardless of vaccination status. This means you must wear a face covering that properly covers your nose and mouth when you are in the classroom. If you do not comply, you will be asked to leave class. It is your responsibility to have the required face covering when entering a university building or classroom. For the most up-to-date information and guidance, please visit [coronavirus.pitt.edu](https://coronavirus.pitt.edu). and check your Pitt email for updates before each class.

## Chapter 19

# Mental health & wellness

School is hard - please take care of yourself as best you can given the many demands on your time. Diminished mental health, including significant stress, mood changes, excessive anxiety, or problems with sleeping can interfere with your academic performance. You have a support network here at Pitt to help you through challenging times. Acknowledging that you need help, and getting that help, is smart and courageous.

- If you are in an EMERGENCY situation, call 911 or Pitt Police at 412-624-2121.
- If your symptoms are due to FINANCIAL strain, please visit [pitt.libguides.com/assistanceresources](http://pitt.libguides.com/assistanceresources) to see all available University resources.
- If your symptoms are due to strained RELATIONSHIPS, families, or personal crises, please visit the University Counseling Center at [www.studentaffairs.pitt.edu/cc/](http://www.studentaffairs.pitt.edu/cc/) for free confidential services.
- If your symptoms are strictly related to your COURSE WORK and performance in this course, please contact me.

### 19.1 Resources:

**University Counseling Center:** 412-648-7930

**Sexual Assault Response:** 412-648-7856

**RE:SOLVE crisis network:** 888-796-8226

**Pitt Police:** 412-624-2121

**Pitt Pantry food bank:** <https://www.studentaffairs.pitt.edu/pittserves/the-pitt-pantry/>

## Chapter 20

# Lectures & Mini-quiz questions

“Quizzess” on Canvas will be used both to prepare you for an upcoming lecture and to review material after the lecture.

I will use the term “quizzes” because this is the term Canvas uses, but they may just be a single question.

I will refer to these variously “mini-quizzes”, “vocab builders”, “concept builders” etc. to indicate their purpose.

These “quiz” questions on Canvas are generally easier than questions on the test and are mostly designed to reinforce vocab and basic data interpretation.

Until the 1st test all “quiz” questions remain open so that those who joined the class later can catch up.

Questions related to an upcoming lecture will be released on Friday by 5:00 PM and due at noon the day of the lecture. This will be based on assigned readings.

Question that are following up on a lecture will be due by noon the day of the following lecture.

Therefore, you can expect to have Canvas quiz questions due both Tuesday and Thursday at noon. Questions due Tuesday will either be following up from the previous Thursday’s lecture or have been assigned Friday to prepare you for the next lecture. Questions due Thursday will either have been assigned the previous Friday (lecture preparation) or Tuesday (followup).

Quizzes will be graded but you will have multiple attempts to take each quiz and opportunities to update your answers. If a question only allows you to answer once please contact me and I will change the settings.



Questions will normally be set to show the key only after the question has closed. Questions opened on the Tuesday prior to a test will be set to show the key after you have submitted your answer. If this does not occur please contact me so I can change the settings.

As detailed elsewhere in the syllabus a portion of these mini-quiz questions will be dropped (e.g., to accommodate illness).

Readings to prepare for lectures will be released the preceding Friday at 5:00 pm.

# Chapter 21

## Office hours

### 21.1 INSTRUCTOR OFFICE HOURS

**MONDAY:** 11-12 pm. Zoom: <https://pitt.zoom.us/j/94009208405> Password: “puppies” (all caps)

**WEDNESDAY:** 11-12 pm Zoom: <https://pitt.zoom.us/j/94009208405> Password: “puppies” (all caps)

**Other days:** By appointment: [calendly.com/brouwern](https://calendly.com/brouwern)

Office hours will be offered initially only via Zoom. After the first 2 weeks of the semester I evaluate if I will begin in-person office hours on Wednesdays.

### 21.2 UTA OFFICE HOURS

UTA office hours will be posted by the beginning of the 2nd week of lectures.

### 21.3 Individual appointments

I’m available for individual 15 minute appointments 10 am to noon on Tuesdays, Thursdays and Fridays. Schedule these appointments via Calendly:<https://calendly.com/brouwern/15min>

If office hours or available times for appointments do not work for you, please email me to coordinate a different meeting time.

## Chapter 22

# Office hours tips

Some guidelines for office hours:

1. **Don't be intimidated by office hours.** One of my favorite parts of my job is talking with students one-on-one.
2. **Be prepared for office hours.** Come with specific questions related to slides, figures, etc. But if you just want to listen what I'm talking about with other students, that's totally cool.
3. **Office hours are for everyone.** If multiple people show up I will alternate between them to answer their questions. If I feel I have answered your main questions I may ask that we table our discussion to cover other questions.

**Note:** *During finals week I do not hold office hours and am not available for appointments.*

During office hours, specific questions are better than vague ones, even if it's just "*I specifically don't understand Fig. 4 in this chapter.*"

A question like "*I don't understand natural selection*" is harder for me to work with.

I'm also happy to talk about study strategies, classes you might want to take, research opportunities etc.

## Chapter 23

# Office hours canceled after tests

Office hours and personal appointments are canceled the rest of the week after a test so I can catch up on other tasks. They resume the week following the test. I do not discuss tests in office hours until after the test revision assignment is complete and after the key is released.

## Chapter 24

# Office hours canceled finals week

I do not hold office hours the week of finals.

## Chapter 25

# Online attendance

This course is designed to function fully in person beginning September 13; **all lectures and exams will be delivered in-person**. Videos of lectures will be made available but will not be actively edited or curated.

### 25.1 Qualifying conditions

Requests for remote attendance will not be reviewed by myself or the department. If you believe you have a qualifying condition that prevents you from attending in-person instruction this semester, please contact **Disability Resources and Services**.

### 25.2 Quarantine

If you are quarantined due to COVID-19, you may temporarily participate remotely by providing documentation.

### 25.3 Privacy

Under either of these circumstances mentioned above, you may elect to preserve your privacy by not using video and by identifying yourself in Zoom using your initials or an alias that you have shared with me.

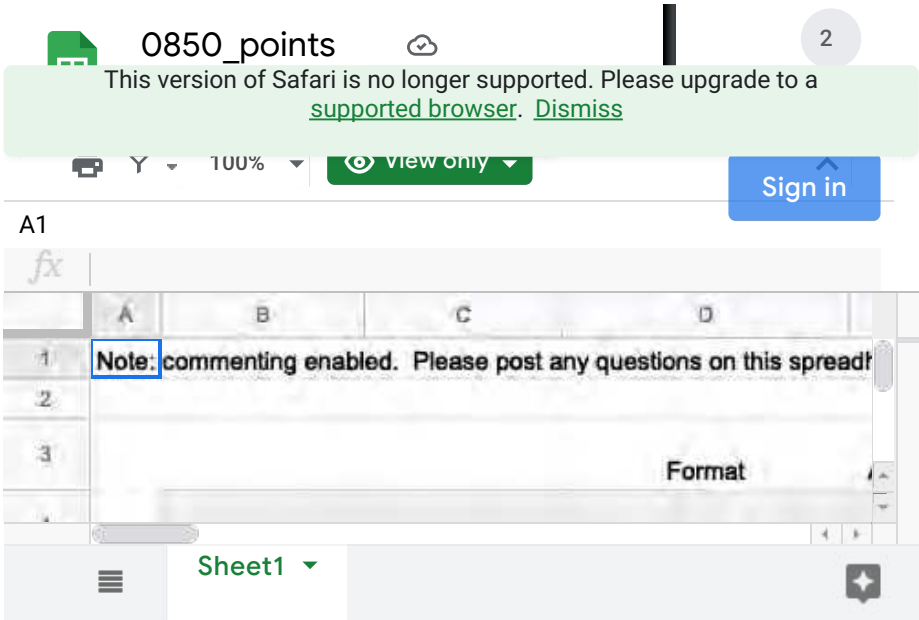
## Chapter 26

# Partial credit

Most assignments will be automatically graded by Canvas or TopHat. The system for awarding partial credit depends on whether its Canvas or Tophat, and the type of question. I try to indicate how a question will be graded, but I do not in the gradebook override how each of these programs assign partial credit.

# Chapter 27

## Point allocation







## Chapter 28

# Practice tests

This is the first time this course has ever been offered at Pitt and so there will be no practice tests available.

## Chapter 29

# Rounding numeric responses

I frequently require numeric answers on assignments and tests. I always include a buffer to accommodate reasonable variation in rounding, and re-check these questions before posting grade.

For example, if the answer is 1.05, a typical buffer would allow answers from 1.044 to 1.064 to be accepted as correct.

If you believe you entered a correct numeric answer but the buffer was too narrow you can submit a test-inquiry form as detailed elsewhere in the syllabus.

### 29.1 How to round

I will often include reminders or instructions about rounding, but may not always do this. Partial credit will not be assigned if you fall outside the buffer or do not follow the stated rounding rules or the general principles below.

In general, it acceptable to round to two digits after any initial zeros to the right of the decimal place.

Examples:

- 1.05 is left as 1.05
- 1.052 is left at 1.052
- 1.0545 is rounded to 1.055
- 1.05409999 is rounded to 1.054

When doing calculations round your answer only at the very end.

If you need to round intermediate numbers, rounding to the first 4 non-zero digits to the right of the decimal should be ok.

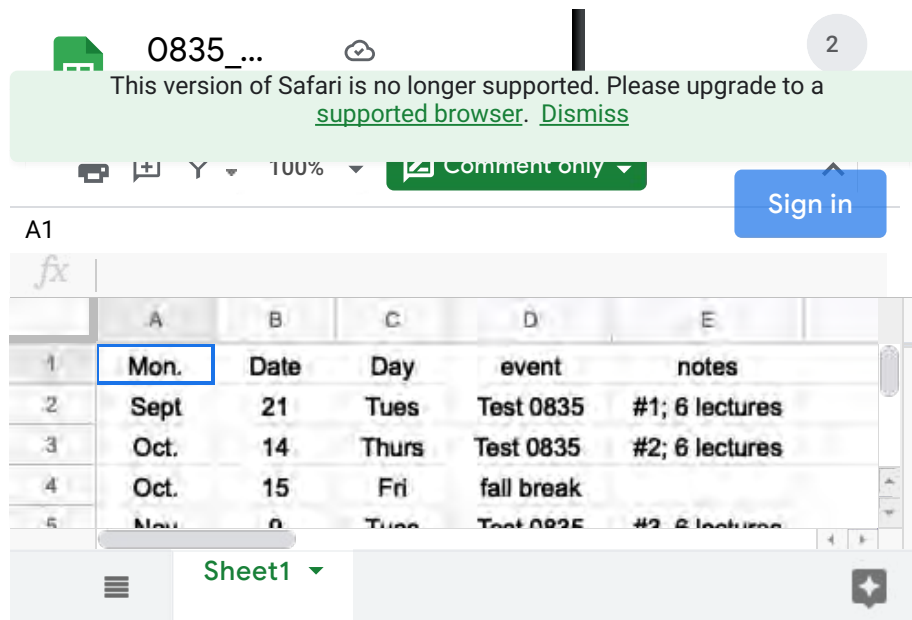
Examples:

- 1.0545 is left as 1.0545 during intermediate calculations
- 1.05409999 is left as 1.054099 during intermediate calculations

## Chapter 30

# Semester schedule

The schedule of tests is available here.



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Comment only

Sign in

A1

	A	B	C	D	E
1	Mon.	Date	Day	event	notes
2	Sept	21	Tues	Test 0835	#1; 6 lectures
3	Oct.	14	Thurs	Test 0835	#2; 6 lectures
4	Oct.	15	Fri	fall break	
5	Nov	0	Tues	Test 0835	#3; 6 lectures



Sheet1

# Chapter 31





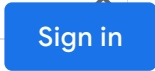
## Weekly schedule

A summary of weekly events is available [here](#). Commenting is enabled; feel free to post questions.

Each Friday I will send out an message via Canvas that will layout the topics and tasks for the following week.

 0835\_... 

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A1

	A	B	C
1	Weekly schedule		
2	Day	Time	Event
3	Mon	11-12	Office hours
4	Tues	Noon	All assignments designated as preparatio Tuesday due at 11:59 AM

Sheet1

## Chapter 32

# Lecture slides

Lecture slides will usually be provided as Google Slides, though at times it will be necessary for you to just take notes without access to the slides.

Google slides can be converted to PDF and PowerPoint using File -> Download.

Slides I release will typically be a subset of the slides I actually use and it is your responsibility to take notes during each lecture.

When slides are made available prior to lecture I will post them by 10 am the morning of lecture.



## Chapter 33

# How to succeed in this course

Below are some suggestions on how to take on this challenge.

1. **Have confidence** – you can learn the material!
2. Read the assigned readings before the lectures.
3. Read slowly and thoroughly, but **taking notes isn't necessary**. Familiarize yourself with the vocabulary terms and look up unfamiliar words.
4. Read the **figure captions** in the book and walk through the illustrations.
5. I recommend taking notes by hand with pen and paper or on a tablet during lecture.
6. If possible, print out the slides and fill in key information.
7. Review your notes at least briefly after a short time after the lecture.
8. As soon as possible, fill in any gaps with information from the book, other suggested study resources, re-watching the appropriate video, information from the discussion boards or office hours, etc.
9. Study with a partner or small study group, perhaps using Zoom.
10. Attend office hours, even if it's just to listen to what other people are asking.
11. Try not to study for long, uninterrupted periods of time without a significant break. Two half-hour or 45-minute study sessions are better than one marathon 1-2 hour session.
12. Ask for help when necessary - before you fall behind. Go to office hours as often as necessary. The UTAs and I are here to help!



## Chapter 34

# Final exam

The final exam will ...

1. Take place during finals week on the day scheduled by the University
2. Be administered in-person using Canvas
3. Follow the general format of the unit tests, including having buffer points.
4. Potentially improve your grade on another test (see policies elsewhere in the syllabus).
5. The final exam is NOT one of the 4 unit tests and NOT one of the 3 of those tests that count towards your grade.

Note: I do not hold office hours during finals week.

Questions on the final exam will be of similar difficulty as the regular unit tests.

I can only provide estimated grades prior to the exam.

Information about the final exam schedule for the University can be found here: <https://www.registrar.pitt.edu/students/final-exams>.

What if I have more than one final exam on the same day? If you have multiple finals scheduled for the same day see here: [https://www.registrar.pitt.edu/sites/default/files/pdf/final\\_guideline.pdf](https://www.registrar.pitt.edu/sites/default/files/pdf/final_guideline.pdf)

## Chapter 35

# Exam study guides

When lecturing I try to minimize diversions and content that will not be assessed on an exam. In my slides I will flag information as “background” or “not on the test” when necessary.

In general I don’t require you to memorize numbers or dates, and any exceptions will be clearly marked in my slides.

I also don’t require you to remember the names of people (e.g. famous scientists) or events in their lives. The only standing exception to this is Charles Darwin - any time I talk about Darwin’s life it’s important. Any other exception will be clearly noted.

In contrast, vocab is very important. Unless stated otherwise all vocab is important and could be on the test.

### 35.1 Study guides

Given the above, when preparing for the tests the best study guides are:

1. Lecture slides
2. Your notes

Exam study guides MAY be made available before each test but these study guides are in no way complete, comprehensive, or representative.

If they are available, I’ll let you know.

If available, they are most useful to look over AFTER you have thoroughly reviewed all your other class materials.

## Chapter 36

# Test grading policies

### 36.1 Number of tests & drop/replace policy.

- There will be 4 tests administered throughout the semester.
- The final exam will be cumulative.
- No makeup exams will be given for any reason.
- Your lowest scores of the 4 mini-test will be automatically dropped when grades are calculated at the end of the semester.
- Additionally, your score on the final can replace your 2nd lowest score, if the final is higher. If your score on the final is lower it does not lower your previous test score.
- Your grade will therefore be based on your 4 best scores plus the final; 1 of those 4 can be modified by the final, so the final can count twice.
- If you are unable to take a unit test for ANY reason it will be counted zero.
- If you miss just 1 test, that score will be automatically dropped as your lowest score when grades are calculated after the final.
- If you miss 2 tests, 1 will be dropped and the 2nd can be replaced by your score on the final.
- If you miss 3 tests, the 3rd zero will remain a zero. If this occurs please contact your advisors to consider your options.

### 36.2 Test length & format

NOTE: the following policies are provisional and may be adjusted as needed to optimize test length and how to implement the “buffer question” policy in Canvas.

- Tests will be scored out of 25 points. However, there will be at least 27

points worth of questions on the test. Each test therefore will effectively contain 2 or “buffer points” that you can miss without harming your grade.

- The maximum score on a mini-test will always be capped at 25/25. If there are 27 points on a test and you get all 27 questions correct your score will be 100%.
- No extra credit will be offered on tests; the maximum score on a test will be 100%.

### 36.3 Test question formats

- Test questions will frequently be multiple choice. Keyword: “frequently”
  - there will other types of questions too.
- Most tests will have at least one question requiring a numeric calculation.
- Other common forms of questions are fill in the blank, dropdowns, or matching.
- There will likely NO True/False questions on tests.
- For fill-in-the-blank questions, spelling errors will result in 0 points. No partial credit will be given.

# Chapter 37

## Tests

### 37.1 General Test policies & Information:

1. Tests will be administered in-class but taken on Canvas.
2. There will be 4 mini-tests during the semester. 1 will be dropped as detailed elsewhere in the syllabus.
3. There are approximately 4.5 weeks of material per test.
4. I will not answer questions during the test. This is my normal policy during my other classes, and also is in line with COVID social distancing policies.
5. Though I do not currently plan on doing this, I reserve the right to require anyone with an accommodation (e.g. DRS, quarantine) to take the test remotely to log into Zoom and have your camera on while taking tests.

### 37.2 Testing technology policies

1. If you accidentally exit and re-enter the exam you must restart it.
2. It is your responsibility to assure that you have adequate power to your device and internet access.
3. Devices can be borrowed from the library if necessary.
4. If a power or WiFi issue beyond our control impacts the class the test may be re-schedule.

## Chapter 38

# TopHat

We will use TopHat in-class and for homework. Please bring a charged TopHat compatible device to all lectures and recitations.

### **TopHat**

Join Code: **907997**

[www.tophat.com](http://www.tophat.com)

When logging into TopHat it will ask you for your university. Typing in “University of Pittsburgh” brings up 3 options: **select the first one** that just says “University of Pittsburgh”.

If this is your first time using TopHat see Joining TopHat for more information.

## Chapter 39

# Updates to schedule & syllabus

I reserve the right to update the syllabus, schedule, point allocation and all other components of the course as necessary.

If changes occur after the first day of class, they will be clearly communicated in class and via email, and a revised syllabus and schedule distributed with major changes flagged.

## Chapter 40

# Videos of lectures

The first two weeks of class lecture will be recorded using Zoom and posted to Panopto.

After the first lecture I will distribute the Panopto folder where the videos will be saved.

Note: Since this class is not meant to be taken asynchronously I will not actively support use of these videos.



## Chapter 41

# FAQ - Frequently Asked Questions

### 41.1 “What textbook will we use?”

There is no textbook to purchase - I will provide all readings via Canvas.

### 41.2 “What content is asynchronous?”

No content will be asynchronous. Any in-class assignments can be submitted for up to 24 after class for full credit.

### 41.3 “I’m not arriving until after the 1st day of class - is that a problem?”

No problem at all. You can attend from wherever you are via zoom or watch the recordings. All in-class assignments can be completed up to 24 hours after they are assigned.

### 41.4 “I joined the class late, what can I do?”

All “mini-quiz” questions associated with the Unit 1 lectures will remain open for an extended period of time to accommodate people who join the class later.

## Chapter 42

### Zoom

Class will be in-person and streamed live via Zoom the first two weeks.

<https://pitt.zoom.us/j/99372114800>

Password: “BLOSUM”