UCDAVIS
Center for Educational Effectiveness
Office of Undergraduate Education

Mid-Quarter Inquiry Summary
Gerhart-Barley/BIS2B

Date of MQI: November 2nd, 2018	**Date of Consultation:**
CEE Consultant: Patricia Turner	**E-mail:** pturner@ucdavis.edu

Purpose
This Mid-Quarter Inquiry survey will provide you with information about your students' perceptions of what is helping them learn in this class, as well as their perceptions of what is limiting their learning. It also contains students' suggestions for possible changes you might consider. This information will help you to reflect on the elements of your class (e.g., course policies and assignments), as well as your teaching practices as you consider changes you might make in order to make your class more student-centered.

Contents
There are three parts to this this MQI Summary:

- Part 1: Questions to consider that will guide your reading of the summary
- Part 2: Student suggestions to improve the course
- Part 3: Student statements about **what is helping them learn** and **what is limiting their learning** in your course.

Part 1: Questions to Consider

Questions to consider *before* you read:

1. Reflect on your teaching practice. What are two or three things you think you do that help your students learn?

2. What are two or three things you think you can improve upon to help your students learn?

Questions to consider *while* you read:

1. It is important to look at the bigger picture when reading student feedback, rather than focus on one or two pieces of individual feedback. When you look at your students' responses through that lens, what are some general patterns or trends that you see in the data?

2. Do you see any trends or patterns that are surprising to you?

3. What are two or three topics you would like to discuss as part of your MQI follow up consultation?

Part 2: Student Suggestions

The following suggestions were generated by the class. Next to each suggestion is a number corresponding to the number of students who agree, disagree or have no opinion about the suggestion. They are organized from suggestions with the largest number of students who agree to suggestions with the smallest number of students who agree.

No.	Suggestions	Agree	Disagree	No Opinion
5	Give more attempts to get full credit on homework.	178	20	15
1	Please post full lecture slides after lecture.	173	13	28
3	Circle the correct answer on clicker questions so we know which ones are right.	171	21	22
8	Post answers and study guides on Canvas	153	34	26
7	Post homework answers on Canvas.	149	22	43
4	Please give feedback on pre-lab.	135	15	64
10	Post weekly homework assignments for more than 3 days usually given.	99	43	72
9	Make the midterm half multiple choice and half short answer.	73	83	58
6	Give at least 1 short answer problem on the homework to help us on the test later.	41	134	40

Part 3: Student Responses to MQI Questions

Please note: Student responses are presented verbatim and may contain informal language and/or typographical errors.

What helps you learn in this class?

- Working with classmates
- Visual representations of learning concepts in the PowerPoints. Visual images that demonstrate the given concept really help me to visualize what we are trying to learn in class.
- Visual representation and example problems and discussion
- Visual examples such as using the PowerPoint to display photos/videos help me better understand the material. I clicker questions are also helpful because I can refer back to them later to help me solve future problems.
- Video lecture capture Lectures slides posted to canvas Study guides for midterms Weekly homework assignments to check for comprehension
- Video lectures
- Video during the lecture, Weekly Homework,
- Video after class. Good way to help me review.
- Use of Lecture capture, clicker questions at the beginning and throughout the lecture, inquiries during the middle of lecture making sure we understand the material
- Use of I clicker questions; I enjoy the fact that the lectures do not feel too slow-paced like other classes, and that the current style of teaching makes the course material seem more interesting compared to when I took BIS 2B last quarter with a different professor. It also helps when we practice things that may be a bit confusing together as a class, and that things are usually clarified or further explained so that we can better understand the material.
- The way professor taught in class is helpful. Even though the thing that we learn is boring, but professor make it really alive.
- The vivid examples that were given in lectures. Lectures videos on Canvas. The enthusiasm of the professor.
- The visual examples the professor provides
- The visual aids, enthusiasm and energy of the class, as well as the audience participation.
- The videos of the lectures, the clicker questions, her style of lecturing. Her midterm study guide was VERY helpful.
- The video lectures uploaded after each lecture.
- the use of examples and further explanation on concepts after the introduction of the concept

- The style of the class. It is engaging and much fun to understand the material when the examples correlate to the topic and the tests show that way of conveying that knowledge. I also like the presentation in both Lecture and Discussion as we delve deep into the topics.

- The style of lecture that is implemented

- The resources given in this class such as study guides and applicable lab material enhance my learning. Another enhancement is the lecturing of the professor is clear and understandable.

- The recordings and in class I clicker

- The recorded lectures she posts on canvas

- The quality lecture that the instructor provides, homework, and lecture videos uploaded

- The professor's lively lectures really make me excited about the material we are learning. This class is genuinely one of the highlights of my week and I look forward to coming every day. Lectures are always clear and the professor frequently checks to make sure we understand the concepts before moving on, which is so helpful. The clicker questions, weekly homework, etc. are a great way to test our knowledge of the topics, and I have found the discussions very enlightening. I also really liked the short answer format of the midterm.

- The professor's engagement with the material and how she makes even boring lectures, fun! I also appreciate the clicker questions because it helps me see where I'm at.

- The professor—I love Professor Gerhart's teaching style. Her enthusiasm increases my interest in the material and she explains the subject matter very well. I feel like I understand the concepts she explains better than any other professor I have had at Davis for any subject.

- The professor's interest in our understanding of the material and the professor's energy. The I Clicker questions at the beginning and throughout class. Lecture videos and slides posted to Canvas.

- The professor's enthusiasm Amazing TA Amelie Clicker questions

- the professor, attending office hours, and self-review after each lecture.

- The professor's style of lecturing and the lecture videos.

- The Professor making sure if we understand the topic and explaining it again if we do not understand.

- The professor is genuinely passionate about her area of expertise and it shows in the way in which she teaches. The school needs more professors who are equally committed to teaching as they are to researching. She is a perfect example of a professor who really puts effort into her coursework.

- The professor explaining answers to questions on the lecture PowerPoint, and the enthusiasm/fun/engaging lecture.

- The professor and the interactive discussions. The lecture videos also helped.
- The powers point, lecture videos, and her explanations was super helpful. She's the best instructor I've Ever had that explains materials super straight and clear.
- The podcasts, study guides, style of lecturing - real world examples, humor, mind-blowing stories, she checks for understanding before moving on
- The pictures and visuals she put in the presentations helps with learning. Also, I like how she explains concepts.
- The multiple examples shown in lecture every time a new topic is introduced. Clicker questions are very helpful as well. I also think office hours were very useful, specifically instructor office hours
- The lecture videos. I appreciate that I can relisted to the lectures and go over topics at my own pace as often as I'd like. I also love my professor's enthusiasm. If I am honest, I generally would not be interested in this subject, but she makes it fun & interesting.
- The lecture videos!! The homework!! The clicker questions!
- The lecture videos really enhance my learning because it allows me to review everything we've discussed in class. I also think Professor Gerhart-Barley's method of lecturing is really effective and she makes sure that we understand what is happening in class.
- The lecture slides that she posts online, the lecture videos, and the style of lecturing. Also, the daily homework quizzes help me to better understand the material that has been taught during the week.
- the lecture capture videos that help me review the main concepts in the lectures.
- The lecture capture videos and office hours
- The Lab which is when I get to actually use what I learn
- the instructor's lecture slides, the study guides, and the textbook
- The instructor's detailed instructions as well as explanations her positive attitude to teach
- The clickers questions that are displayed after few slides is a good practice! Also, because I solve the questions or think quickly.
- The I Clicker questions. They are interactive and make me less scared about being wrong and give me a greater opportunity to participate and think about the material.
- The homework, study guide, lab, discussion, and lecture
- The homework quizzes at the end of each week, the clicker questions during class, the lecture videos (ability to rematch lectures) and the lecturing style of our professor.

- The homework assigned because it helps me go over the material before the exam. It helps in the not procrastinating part.

- The examples, pictures, instructor's passion

- The examples that are given in class, especially when they are funny. Such as the clicker questions at the beginning of class and the way she lectures such as throwing in jokes here and there to keep your attention on the material. Also, the review for tests since it goes over everything we have done up to that point and it gives me a refresher on what I should know.

- The enthusiasm that my professor shows. Also, when she goes over something that people don't understand the first time. Talking about concepts with friends in the class. Real life examples of the concepts taught in action.

- the energetic/enthusiastic environment. Also, by the way you can tell the professor really wants us to learn, that part is sort of a motivation because it makes me feel like someone cares for the students.

- The discussions about the questions among ourselves, help with understanding the concepts better.

- The different examples/experiments that Gerhart provides along with her concise explanation of what we're supposed to take away from them. I also enjoy her enthusiasm for the topics at hand, and the clicker questions are useful as well.

- The different examples provided for each of the concepts such as brief mentions of scientific research papers or organisms that exemplify the concepts. The homework assignments also help to reinforce the information she gave in lecture.

- the clicker questions, the weekly discussions, and all the different videos she shows us during class. I also am very engaged whenever we hold the labs every week.

- The clicker questions, office hours and lecture questions

- The clicker questions, both at the beginning and throughout are great ways to apply our knowledge in examples. Also, the examples given are great and always demonstrate the material in an accurate but fun and memorable way. The lecture in general is pretty great, as the professor is very enthusiastic and is very interested in whether we are getting the material or not ("does that make sense?"). The labs are also always very cleverly designed to allow us to apply our knowledge from class, and gain some new knowledge at the same time.

- The clicker questions within the lecture help enhance my learning because they directly ask me to apply what I've just learned. Additionally, if a clicker question doesn't make sense, she will go through what we just learned one more time usually in another style and this greatly helps to ensure my understanding. This class is also enhanced by her passion for the subject. The cool facts she shares and case studies we can apply our

learning to makes it memorable and even help cement the lesson further. The lecture captures also help a lot.

- The clicker questions that help us understand specific examples and her thorough examples of topics discussed in class. Slideshows are concise and cover all topics needed to know.
- The clicker questions she gives and by recording the lecturer to be able to watch them again and take better notes. Her explanation of the topics is good and I like how she always tries to find a way to explain topics in different ways until we understand it.
- The clicker questions help a lot with understanding broad concepts in specific examples. It also helps me understand concepts that are somewhat difficult to learn for the first time. I enjoy the lecture content and interesting discussions.
- The clicker questions as well as the enthusiasm and skill of Professor Gerhart-Barley.
- The clicker questions are helpful in keeping me engaged. The instructor's enthusiasm is infectious and makes me want to learn more about the topic.
- the clicker questions and the way the professor gives her information to the class.
- The clicker questions and the slides
- The clicker questions and discussions.
- The class has an open question for every class and introduction for learning objects. This helps me have a rough understand of what we going to learn before the class.
- the amount of questions that the professor does during class to help me understand the material better. The homework also helps me to understand the material better as well as her office hours and her style of lecturing during class.
- Taking the class and doing weekly homework
- taking notes in class
- Study guide for midterms and final.
- Some interesting facts about biology (amazing features, species). The familiar topic I learned in my High School. Learning is an exciting process.
- She is great at explaining everything in detail as well as providing sufficient examples.
- She is good at explaining a concept in different ways Recorded lectures Very organized
- Rewatching the lecture videos posted on canvas, I Clicker questions help me remember concepts better, especially if I got it wrong.
- Recorded videos and discussion questions.

- Real life examples, explanation of equations & concepts

- Real life examples shown and clicker questions

- real case examples on the slides

- Reading more and go to office.

- Questions throughout discussion time lecture capture

- professors lecture style

- Professor Laci is super funny and she keeps everyone engaged really well and she very good at pulling my attention back in when my attention is caught wandering off.

- Professor is always enthusiastic about the material. Her enthusiasm rubs off on her students and encourages them to learn and enjoy the material. Her lectures are always structured and easy to follow, yet challenging as she allows her students to dwell and discuss few questions during class. And I love lecture recaps! I am able to review the material at my own pace.

- Professor Gerhart-Barley's enthusiasm and efficient lecture style. She constantly makes sure that we as a class understand a topic and will take the time to review certain subjects to make sure that we are clear. Professor is one of the best that I've ever had and I'm excited to learn about topics that she is excited for.

- Professor Gerhart-Barley is enthusiastic regarding the content of this course and presents information in a captivating and enjoyable format, increasing the likelihood of a student's participation and attention throughout the lectures.

- Professor Gerhart's enthusiasm and passion for the topic. Her wandering and interaction are really impressive considering the large class size. Labs are really relevant to course material, which is awesome, and the textbook reading is sufficiently relevant as well. The study guides are great too. The clicker questions are helpful as well.

- professor

- PowerPoints, posting lecture videos, not straight lecturing for the whole time but telling interesting stories that help us understand the topic.

- Power point presentations

- Posting video lectures and posting study guides

- Office hours being available for a long period of time because then I am able to attend.

- not taking notes during class, taking notes using the lecture captures after class, weekly homework assignments, the professor asking us if we understand the concepts/material being taught to ensure we don't get more confused in later parts of the lecture

- My professor's eagerness and passion to teach us. It helps me that she is passionate because it allows me to better understand any material she is teaching. It also helps that she is willing to clarify any topic and makes sure every student understands.
- My professors' style of lecturing and enthusiasm for the class. She is always very enthusiastic about the topics taught in class and that really motivates me to pay attention.
- My learning issuances by the clicker questions that are within the lectures. I also enjoy that she is does not have a monotone voice which is very important for me because it keeps me interested when she gets excited about the topics she will go over in the lectures.
- My learning is enhanced when the clicker question answers are discussed as a class as a whole because the explanations are very useful. Going over examples give the concepts a tangible way to understand them.
- My learning is enhanced by lots of examples and deeply explaining the topic. Also making sure everyone understands and if not going back to clarify. Also, I really like the Prelab being online, it helps because you don't have to worry about losing papers. The lecture videos also really help.
- My learning is enhanced by her clarity and enthusiasm every day. Also, the fact that she supplies lecture slides and lecture videos helps me go over any material that was challenging to begin with.
- My learning is enhanced by examples, problems, discussion but then followed up by the instructor's perspective and answer on the problem. The clicker questions help a lot alongside the many examples she gives us, it really helps break down the concepts but also visualize things.
- My learning in this class is enhanced by the type of availability of the lecture slides and the lecture replay videos.
- MY learning in this class is enhanced by the lecture videos and the clicker questions.
- My learning in this class is enhanced by the lecture capture videos. This allows me to take notes at my own pace, pause, and go back if I need to hear something twice. It is also enhanced by the clicker questions which challenges us to think while in class.
- My learning in this class is enhanced by the interactions and examples that she presents during lecture.
- My learning in this class is enhanced by the clicker questions, and many practice problems on the lecture slides.
- Making students engaged, giving great examples, giving clicker questions, making the class about learning rather than knowing everything beforehand, also love the style of teaching (very clear voice, extremely positive attitude, love how professor always walks around, answers questions, has great discussion pnce a week, makes class THINK! ABSOLUTELY LOVE LECTURE CAPTURE, also love how

there's not always one right answer (free response/ not one way of thinking)

- lectures and how it relates to real life

- Lecture videos

- lecture video, quiz, lecture slide, exam example

- lecture styles study guides

- Lecture style is both interesting and engaging! The instructor clearly enjoys teaching the subject, and has the appropriate anecdotes to go along with her lectures. I also feel like the instructor is able to convey enough information that I do not have to seek supplementary sources.

- Lecture slides and video lecture recordings to understand topics

- Lecture capture, I clicker questions, visuals (pictures, graphs, examples), giving specific real-life examples of the content we are learning.

- lecture capture, I like her style of asking us if we understand-she goes really slowly. Her information for preparing for exams is incredibly useful, and I feel like the exams are a good representation of what we learn.

- Lecture capture videos, office hours and discussions. Very positive professor and energetic, also polite and easy to talk too.

- Lecture capture

- Lecture and discussion activities such as clicker questions and brainstorming study guides

- Laci's teaching style is great. She posts her lecture slides before class and lecture capture videos after class, does clicker questions to check our understanding, and makes sure that we know what's going on before moving on to another topic. She also does not grade clicker questions based on correctness, which allows us to not worry about being wrong.

- Laci's enthusiasm, clear explanations, and receptiveness to questions, clicker questions with discussion, textbook readings, homework, labs- for hands on understanding, posting lecture slides and videos. Study guide was also very helpful.

- Laci's free spirit and beautiful life aura, the chakras align whenever she's in the room and her laugh and weird noises she makes as a response to our mumbled answers fill me with life and the will to keep fighting the battle against myself.

- Laci provides information very clearly and keeps class interesting to make learning better.

- Laci is very good at helping students to understand concepts and she always check our understanding.

- Laci

- It is enhanced by visual examples provided in the presentation and clicker questions.

- Interesting topics, clicker questions, enthusiastic personality and excitement of the material

- interesting lecture & discussion session

- Interesting lecture

- Interesting examples/ stories. It makes things more memorable

- Interactive teaching, non-graded I-clickers but very helpful I-clickers, the readings are not long, homework answers posted in BLC, homework in form of quiz to test knowledge of subject

- Interactive clicker questions that are actually relevant. The examples she does with the class like HWE, a professor that is actually excited to teach, she doesn't just dump all this info and assume this is our only class, she's like Bob Ross, she makes the material challenging, fun and exciting.

- Interactive clicker questions and example questions, and corny jokes

- Instructor's teaching style.

- I clicker questions- examples are always helpful. The slides- organized and easy to follow.

- I clicker questions, Lecture capture.

- I really like her style of lecturing and the examples she uses to put her point across to us. The stories she tells in between the lecture are amazing!! I love the way she incorporates her personal experiences while lecturing. Her enthusiasm and love for the subject make it amazing to sit here and learn!

- I really appreciate the jokes and humorous stories because they make this class more entertaining.

- I like the video capture, and the way she presents the materials. I feel like the clicker questions have helped me understand where I need to study more in.

- I like the style of lecturing that Professor Gerhart-Barley has done, especially when she asks us "if that makes sense" after a hard topic and will readily review it if we have trouble understanding. Some professors I have just keep going on in lecture and don't stop to assess. The clicker questions help me track my progress and makes sure I'm understanding the content that is being reviewed to me, and it helps me understand the concepts more! I also love that there's lecture capture, which really helps when I'm reviewing material and was unsure about certain topics as well as let me take down key points that I may have missed while I was here during lecture.

- I like the instructor's style of lecturing. It's very informative, and even the stories that the professor provides are related to the topic are fun to listen to. I like the slides the professor provides because they are easy to write down and that's a good thing because the professor does speak a bit

fast. I also like the clicker questions because it helps me use what I have learned so far to answer any questions.

- I like the clicker questions throughout the class. There is good explanation during lectures on topics and professor provides a save environment to participate. I enjoy this class very much and having an instructor that is enthusiastic about teaching really helps me be open to learning the subject.

- I like that this class has very engaging lectures and lecture slides. I feel like the clicker questions and having discussions in class allow me to be very engaged in the material throughout lecture.

- I like professor Laci's style of teaching, although it's fast she has lecture videos which help a lot to catch up with materials or to take notes. Clicker questions also help us to test ourselves.

- I like her style of teaching because she knows how to explain everything thoroughly.

- I enjoy the clicker questions because it helps get my mind thinking about the concepts without just having the answer and not knowing what it means. I like that you go over what we don't understand until we do understand because it shows that you care if we learn.

- How thorough the instructor is. She goes at a slow enough pace that we can all follow along and understand the material. I also enjoy the quizzes because it makes me reflect on the material.

- How the professor always checks in with us to see if we understand the material and encourages us to ask questions. Office hours are very helpful because whatever material that she goes over too fast in lecture, the professor takes time to thoroughly explain in office hours.

- How the instructor explains things in different ways, and not just one.

- Her well organized slides and explanation and being able to review the lecture videos later.

- Her visuals and style of lecture.

- Her teaching style is very good in that it makes a lot of sense when she teaches. She gives good examples of her concepts, which helps enforce our learning. Also, her enthusiasm is very helpful to keep us engaged and attentive while in lecture.

- Her style of lecturing and the interesting real-life examples she uses to illustrate the biological concepts we are learning. She is also always so excited about teaching/ about what she is teaching which makes it more interesting to learn about.

- Her questions help cement what we are discussing in class in an effective manner

- Her lectures, dynamic PowerPoint & presentations, enthusiasm for the material, relationship with students

- Her lecture notes and her discussion of the topics is helping and her examples

- Her examples she gives after every new concept. Everything she says, I understand so quickly and easily. I love the clicker questions, and how interactive she is with the students. I never understood biology or ecology until this class.

- Her enthusiasm   Pretty engaging lecture No clicker grading

- Her energy and enthusiasm that she has in teaching the class and about the subject material. She is such an amazing professor.

- Her discussion of slides even when there are slides full of words. She will go over anything we may confused on in a different method which is helpful cause most teachers only have one way to describe/ teach things

- Her clicker questions really help me stay focus on class material. She also explains herself well and will repeat herself to make the material clear.

- Her clear lectures, helpful slides and descriptive clicker questions

- having the lecture sides uploaded before lecture and having podcasts that I can use to help me revise my notes and go back to fulfill any missing information that I miss. I like the style of the lecture, because she goes over the I clicker questions and also gives explanation to why the other answers are incorrect.

- Having lectures recorded so I can review them after lecture. Also, it helps when the professor provided examples of the material being covered.

- Having Lecture videos available. I am able to reaffirm what I am learning in lecture. In addition, the enthusiasm and how she constantly checks for understanding of the material.

- Having clicker questions and practicing a few of the problems in class before doing it alone. It really helps me understand the problems. It also helps with how interactive the instructor is with the class, keeping us engaged and attentive to the lecture.

- Going to lecture and doing homework

- Giving many examples to understand a concept while also having us engage through clicker questions.

- Explanations in lecture, interesting labs, extra credit opportunities, approachable TAs

- Examples in class Weekly HW Pacing is just right not too fast or slow Visuals on slides Lecture capture Clicker questions Lecture style

- Examples given, getting students involved (I.e. asking students to participate), the homework's and clicker questions and how you lecture help.

- Examples and actual life learning. Hands on

- Example stories

- Everything Laci does.

- Everything about the instructor is awesome! Her teaching style is very relevant and easy for me to understand. She is very engaging and helpful. Her clicker questions are helpful however I don't really see a lot of resemblance on the test.
- enthusiastic teaching, lecturing style (very detailed and responsive to students' reactions to material in class), a clear demonstration of mastery over the material taught, clear and concise explanations to questions posed by students and by Clicker Qs, lecture capture (very helpful in reiterating and reinforcing points taught in class so as students do not have to prioritize taking notes vs listening/understanding)
- Enthusiasm and I clicker questions. Actually, almost everything about her lectures are really great. One of the best professors I have had at Davis by far.
- Engaging in clicker questions
- Doing my notes before class, coming to class, responding to clicker questions, doing the readings if I don't understand, videos and anecdotes about the subjects during lecture
- Discussions with other students/.
- Discussion, office hours, early release of study guide
- Discussion sessions Lecture
- Clicker questions, style of lecturing-never lets us fall asleep, weekly HWs, lecture videos to go back to & fill in notes. Short answer questions on midterms Lecture videos to go back to and fill in notes
- Clicker questions, homework and study guides
- Clicker questions, good lecture style
- Clicker Questions, Further Explanation of Topics, Course Objectives, Style of Teaching (PowerPoint), Enthusiasm for the Class
- Clicker questions! Love that we comeback to them. Love her stories, it helps connects concepts to real life (more so than they already are). Love that she checks in very often during the lecture, "Are you with me on this? Did I lose you?" Enthusiasm is amazing
- Clicker questions that involve practice problems. They help give a grasp of what will be on the homework as well as the exams.
- Clicker questions in class and homework problems that make us recall stuff we learned that week. Also, she is a great lecturer. I would definitely find this material boring coming from anyone else
- clicker questions during class
- Clicker questions and the discussion session activities Also the study guides and office hours
- Clicker questions and pictures

- Clicker questions and her "stories"/examples of past events/populations that tie into what we're learning.

- Clicker questions and great professor engagement with the students.

- Clicker questions Study guides

- Clicker questions Visual Representations of what it is we're learning

- Clicker questions Example Questions

- Clicker questions Dr. Gerhardt-Barley keeps things fun and engaging, making it easier to focus and learn Asking for clarity and understanding and repeating information that may be unclear

- Clicker question

- Clicked questions that isn't graded on correctness, but rather participation so the professor can gauge what concepts the class needs help on. Professor Gerhart-Barely is a good lecturer, very organized and has helpful slides with visuals to help enhance my understanding. she also provides a lot of interesting examples and helps solidify the concepts better in my head.

- Clear explanations and wide knowledge on related topics to engage audience with interesting facts and stories.

- Class video

- by the clicker questions, discussions

- By I clicker questions and the slides that go through many examples and questions that check to see whether I am understanding the concepts. Also, the enthusiasm of the professor helps make the class more exciting and fun.

- Being taught by an instructor who is clearly passionate about the subject they teach as well as the number of real-life examples given by the instructor.

- Being able to rematch the lectures on canvas is really helpful and it allows me to take notes at my pace. Rewatching the lectures also helps review on topics that weren't quite clear the first time.

- An enthusiastic instructor. I like how she would stop at a certain time to make sure everyone understood the idea/principles. She would often share funny examples and stories which make class more enjoyable and interesting.

- number of examples in lecture and clicker questions

- Amazing anecdotal examples, enthusiasm

- All the pictures and clicker questions that make me learn on lectures. Especially when we go over them and the stories she adds to our learning topics

- -multiple choice questionnaires for I clicker during lecture -lecture videos to look back on and take notes on something I may have missed in lecture -study guides -homework's every week help with concepts and number problems -pre-labs and post labs
- -Clicker questions throughout lecture -Visual models and graphs -Relevant definitions and explanation by professor -Examples of concepts and studies -Professor's enthusiasm and interest in subject -Professor's extensive knowledge on subject

What limits your learning in this class?

- Nothing I can think of, this class probably needs evaluations and changes the least
- The fast calculations not done manually only verbally. Sometimes not going with the majority rule on who understands the material the best
- I didn't encounter something so far that I haven't liked
- Need more office hours, wish she posted HW answers online or could see correct answers after deadline
- Speed/timing
- Sometimes she flips through the slides quickly which makes it hand to take notes
- Discussion sections require covering a lot of material in a short term but it still very valuable.
- Class size but nothing on her part
- Time available
- When the professor talks to fast and sometimes its hard to understand, but the videos help us.
- Not able tell you why HW questions are wrong in canvas
- Sometimes I wish there could be more practice problems
- Not knowing why the answer was wrong through homework, lecture and discussion. I don't like how we're only given the right answer, but not the explanation why the rest are wrong.
- The tedious and confusing pre-labs that may require an entire day of misery and suffering to complete. If they were shorter, then I wouldn't try to rush through them in order to be able to complete other tasks I may have.
- The discussion part.

- Time taken out for lab (I don't really learn/understand the concepts better from the lab segments) Constantly asking "is anyone awake?" or "hello?" or "jumping jacks?" distracts me from the original topic for some reason, like I'm more focused on responding than absorbing the material.

- Discussion

- At times, the iClicker questions because as I attempt to process the content, the time given for the clicker questions is sometimes not enough for me to think through the options and chose the answer I actually want.

- too much concepts squeezed into one class, which makes her speak too fast. Especially for international students.

- My learning in this class is limited when the instructor give information too fast. It is sometime difficult to stay on track during lectures because it is fast-passed.

- The speed at which the professor teaches

- How fast she goes over some topics. It's feally hard to understand many concepts she disucess because of the pace she goes by.

- My learning in this class is limited by how well the professor explains a certain concept, but also whether I attend office hours or not.

- Not limited but the prelabs are pretty difficult to do on my own and would be greatly benefited by some kind of mini introduction to the material and equations during lecture.

- nothing

- There's no red dot showing on her lecture slide, so when she's referring something, I don't know which part she's pointing at on the lecture video. Midterm grade comes back slow...

- How the video lecture capture does not capture where the professor is pointing to a lot of the time through video capture.

- The instructor does go very fast, which makes it hard to catch all concepts while trying to catch information off of slides. Though there is lecture capture, it isn't always of the full lecture, which makes it hard to find the missing material or concepts that were redacted by the professor for her posted slides. Sometimes the lecture capture cuts off before the end of class, also making missed information hard to catch. Also, it would be so much easier for people with limited/busy class schedules if the homework answers could be posted in a more accessible place (a room not limited by hours perhaps). Also, having discussion material on the midterms is not always helpful since most discussions are not completed in the time we have. Partners (other students) that we discuss with do not always have the right answers and the ideas are not covered in class during the time allotted.

- my learning ability is not limited

- speed of class. Often times I think we go through equations way too fast. Also wish for office hours on either Monday Wednesday Friday.

- Sometimes, the professor talks too quick and that limits my learning because it takes a little while to register all the concepts into my brain and once she moves on, i can't really continue thinking about it because she's begun talking about another topic.

- Sometimes the volume of the material that we have to learn.

- the speed in which the professor talks and moves over with the slides mostly. I am a slow learner and sometimes the pace in which my professor teaches does not accommodate my thought process.

- Sometimes I get the impression that she is trying to get through so much material that it becomes quicker paced than I would prefer

- Slow pace of the class. A lot of clicker questions immediately after the concept taught; sometimes gets sidetracked.

- Discussion sessions are confusing at times. There is a lot to cover in little time and it takes me a while to read through all the slides and understand what to do before I can begin. I rarely get through half the questions before time is called. I think smaller discussion sections would be better.

- speed of lecture (how fast the professor speaks at times)

- Laci goes over the slides quickly sometimes, which makes it difficult to comprehend all content provided in lectures. However, the lecture videos help a lot with this.

- The pre-labs: they take a lot of time and I do not feel like I am learning a lot from the experience. I would much rather discuss with someone or watch a video and take a short quiz on the material.

- I just don't like the homework quizzes. I understand the lecture and will go to look for the answer in the video lecture. Still, I just don't like multiple choice questions in a science class because it doesn't show my knowledge of the material

- I feel like the slides should have more explanations of the material in some sections and definitely show the right answers for the clicker questions.

- I do like homework questions but I feel that it would be more helpful if we were either able to try again one more time or if the answers tell you why each answer was the correct answer, on Monday once they're posted.

- I don't think my learning is really hindered by anything in this class

- Nothing has limited my learning in this class.

- nothing, that I know of.

- We have homework every weekend but the answers would not be shown on the canvas after we done. Unless I go to office hour, it is a little bit inconvenient.

- The PreLabs are way too long.

- my lack of extensive prior knowledge of biology, incomplete lecture presentation on canvas

- Sleep deprivation but that's really just not anyone's fault. Just a constant of college.
- Being such a large class, I do not get much 1 on 1 learning. The professor also doesn't have that many office hours available which I personally need more options since I am busy during her hours and would personally like to bring my questions to her.
- professor Goes a little too fast in class when time is short. I can't keep up with notes and have to watch lecture capture. Not a big problem.
- I feel that i'm learning extremely well in the class. However, random outbursts or unnecessary questions by other students can be distracting but this is not Professor Gerhart's fault. She simply wants to answer any questions, no matter how random they may be, in order for the student to be clarified. However, this can cut into important lecture time.
- When going over really fast over the material.
- My English
- Not knowing what questions I answered wrong on the homework, and there is no explanation why the answer would be right and the other answers wrong when we do get acess to the answer key the day(s) before midterm.
- Labs-I feel like the labs don't really relate to what we're learning in class and if they do, they're vague and I don't get much out of them because of how relaxed the environment is
- can not think of anything
- I don't enjoy the calling out to ask me if I'm awake or saying good morning as a loud group, it feels a bit childish and turns me off from learning. Also, I understand her not putting full slides on canvas to encourage students to come to class, but that's what the clicker is for. Since the full slides are never revealed and the instructor moves so quickly in class, I can never be 100% sure I got all of the information I needed to. In addition, I wish the homework and pre/post lab answers were revealed to us after completion so that I can study from them for exams. I wish these were released on canvas, not just in the BLC because my schedule never allows me to visit there. Also, being tested on discussion material is unfair I feel because how the discussion is set up, it's just me and my peers teaching each other, possibly incorrectly.
- short answer exam questions, lack of review sessions
- My learning is limited when there is too many graphs and they confuse the questions. If the graphs could be explained before the questions, that would be helpful.
- The missing info in the slides that I can only see through the class capture after the lecture. Also, the homework being available only on fridays and only being able to open it once. It would cause me less anxiety if I could save it and come back for it later.

- homework assignments which do not provide immediate feedback and only have one attempt.
- Long Study Guides, Fast-paced Lecture (Speedy Explanation and Switching Slides Too Quickly), Homework Solutions/Explanations not posted online
- N/A
- N/A
- The speed of go through the material
- The amount of work for this class (prelab, postlab, and hw) Way too much work. Grades are graded way too harshly..
- The complexity of the vocabulary that is believed to be generally understood
- having class too early in the day. if the class is later i think i would focus better.
- Need more time for homework Either answers for study guide or go over topics in class
- some topics are gone over too fast, need more time
- Fast paced lectures that make it difficult for note taking.
- N/A. Change nothing.
- How much review I do the day before lecture and after
- Whet
- Not being given the answers to study guides. Also it would be nice if we could get the homework answers on canvas.
- Nothing
- The speed that she teaches. It is kind of fast to listen and understand the thing in the same time.
- Nothing
- The post and mainly prelabs, the information is usually unclear and I don't always understand the relevance to some of the labs.
- Sometimes there is not enough time to really think about/ answer clicker questions that require math or time to think about. Besides that I really really enjoy this class!
- Only one try on weekly homework.
- The explanation that the professor gives is great but she goes pretty fast in the class.
- ??? Sometimes the wi-fi is bad in this room?

- Density of some material that felt like it could be further broadened with some more practice problems. With more practice provided, whether its separate optional material or homework, the practice would help a lot.

- I actually don't know I enjoy the class it's very informative but I would like for the professor to give a bit of time to actually do the clicker questions because a lot of the times I choose a random answer just so I can recieve points. And thus I don't actually try for the clicker questions. And posting the full lecture slides

- The speed of slides and going through the material fast. The WIFI in the class

- Labs

- I know this could not be helped due to the classroom, but the wifi in the room does not work and prevents me from taking notes online which I would prefer to do.

- My learning is limited by the unanswered questions or not giving us the final answer to the clicker questions. She alludes to which ones could be the answer but does not directly pin-point "This is the answer to this clicker question." Also the study guides, she does not give us the answers to the study guide even after we have completed it because she believes it defeats the purpose of our study guide. But that is wrong because what if we answered a question wrong and then we assume we are right. How do we know we are studying a question that is wrong that we assume is right. The lack of emphasis also hinders my learning in this class because it is assumed that we know certain vocabulary and information that leads to the next topic when clarification helps with the learning process. There was no review sessions. Also the lecture notes. By having the lecture notes be blocked out it becomes harder to study the notes because we are forced to go back to lecture capture videos to find an answer that we need. It wastes time to find the question in the video when you only want one answer. Having the answers to lecture notes blocked out before hand is fine, but after it would be appreciated that she would upload a new file with the answers there.

- The time of the office hour is not enough

- During discussion sections when we have to discuss problems in groups I feel like sometimes it's helpful but other times it's too much time spent having group discussion when my group is confused on the material.

- Weekly homework based on grades. It takes away from learning as a prep for the exam and makes it more about trying not to get a question wrong

- 10 am

- unfamiliar professional vocabulary in BIS 2B.

- My learning is limited by the discussions we do on Mondays. There is awesome information and study's that are brought to my attention but the clicker questions are difficult which makes it hard to participate and learn

in discussion time. I wish there was more office hours available, my TA does not have any and I think it would have been helpful to have my TA in the open spots during the office hour times.

- Not much really? I really enjoy this class and the way it's run! I find the concepts extremely interesting, and I feel motivated to learn and come to class (when I could skip like most people and watch the lecture podcasts). The tests are fair and discussions are interesting!

- Lack of review sessions/practice exams/other exam resources

- Office hour conflicts with my class schedule so I have limit chance to meet tutor.

- I wish pre-lab answers were discussed more fully and that the lab material would clearly tie into the lessons we learn in class. I feel that the lab is often confusing and pre-lab mistakes never are cleared up. We simply lose points and never learn what for.

- We have limited time to discuss everything in the slides on lecture and discussion.

- When I go back to review the slides it's very hard to get all of the information. The important information is grayed out, and I have to go to the lecture capture to view it. With sub par internet it can take a long time just for a single answer. I'm aware taking notes helps but it's impossible to write down all the needed info and examples with the speed at which we move.

- The limiting factors include nothing about the professor. It's more so my TA and how lab is constructed and ran. I don't see the point of labs because I see very little parallel with the class.

- The speed going through lecture slides,

- N/A

- N/A, I believe that she sets up the course in a way that really helps you learn the material and sets up multiple avenues to help students when they do not understand.

- I feel a disconnect between lab and lecture. What I do in lab does not feel helpful for the tests and I find it difficult to do well in both.

- not having access to the whole PowerPoint beforehand. I understand it's to make us go to class but it would be useful to have them before. sometimes discussion feels like it's a waste of time because we are all on our own and there is sometimes no clear answer. the study guide keys not being posted hindered my learning experience

- The time constraints placed on those clicker questions. Sometimes there isn't enough time for me to finish a problem before the answer is shouted out/given. The homework questions are also sometimes hard to understand, or there aren't any clear differences in the conceptual answers to be able to select the correct answer. In that way, the homework gives a sense of anxiety when there shouldn't be anxiety related to something that is practice.

- Sometimes the group discussions can misleading because there are a number of other factors sometimes that will confuse us and these group discussions can lead to confusion. Not really her problem because she cannot answer every question.

- clicker qn at the beginning

- Lecture slides are not filled in after lectures

- Not much, besides the fact it is a very dense class.

- The discussions are confusing for me, we always run out of time and specific questions are not answered but they show up in the exams. We also don't have review sessions for our exams which makes it harder for us to ask questions about the study guide since we do not get an answer key.

- When the homework opens up on Friday I feel like I don't have enough time to go back to lectures.

- Not having Homework open for longer periods of time. Having only 3 nights/week to do a weekly assignment is not enough time especially for students that work on the weekend. Having the homework be open for 7 days would be much appreciated. Thank you. Having the homework answers not posted online on canvas.

- Sometimes it can feel a little fast-paced, making it a little more difficult to get all the notes down, but I don't necessarily want the class to go slower because it becomes necessary to go back to the lecture videos and review the lecture material.

- The homework answers not being accessible any other way besides going to the BLC. I wish they were posted online so I could see what I got wrong.

- Discussion sessions have too much time discussing with our peers, I would like more explanations from her.

- How fast she goes.

- Sometimes the professor goes to quickly, or skips things when we don't have enough time, but I do understand that there is a certain pace at which we have to move to keep up with the quarter system

- The exams which are not allowed to use own calculators and cause me did not finish my exam, which limited my enthusiasm to learning.

- N/A

- She can do class examples on things that we need to know. For example when she worked out a problem on paper in the screen that was very helpful. It's not no e that she assumes for us to understand everything so fast she goes through important problems really fast and I feel like if she's going to put those on the test she should spend more time over them lady's needs to be more mindful of the speed and the amount of intro we have.

- none

- She doesn't upload updated lecture slides considering she blocks somethings the first time and sometimes there are important figures that we can't copy down. So if she could upload updated slides after the lecture that would be cool.

- The fact there are no review sessions and there are limited office hours with the professor herself. I wish there were more worksheets to do the mathematical problems with. In addition, I wish she let us have multiple tries on the online homework because often I would get a few problems wrong and the quiz would decrease my grade a lot.

- Not having answers available to study guides or no explanations on posted homework answers.

- Labs

- My learning in this class is limited by the lack of a review session. I think a review session would be very beneficial in order to understand what topics we should focus on for the exams.

- Nothing in this class really limits my learning. The only thing I can think of is that sometimes we go over things pretty fast, however I understand that there is a lot of information to cover and the lecture videos compensate for that, since we're able to go back and fill in our notes.

- The discussion sections are not incredibly helpful and seeing the relationship between discussion and lecture material is very difficult.

- The full notes not being put online And the study guide answers not being put online And the quiz answers not being put online Lack of otter

- My own stupidity. Sometimes the pace is a bit fast, but I always go watch the lecture video and that usually clears it up for me since I can pause or reverse.

- I dislike that she is not specific with the clicker questions. Sometimes she says that they are all possible but rarely goes into detail as to why they are all possible answers. I also would have liked to have mini quizzes every Friday on the material that week so everyone studies and fully commits to learning the material after class. My learning is also limited when there is not enough time in the midterms. I am the type of person to slowly take my exam and fully think about the question so I don't stress and worry. If I was allowed more time I know I could've completed the entire midterm. I know the material I am just a slow person who needs their time because I really nervous and my heart accelerates.

- Honestly nothing. Laci's passion for teaching and biology are apparent and I wish all of my professors were like her.

- My learning is limited by not making all of the slides available and blurring certain slides out.

- The speed of lecture is a little bit fast

- The fact of lab not being correlated with the lecture because it becomes harder to understand concepts

- I wish there were more office hours I also think that we should have more practice problems to ensure our learning because sometimes after lecture, I want to make sure that my knowledge of a topic has been mastered. But there's no way to tell if I don't try and use that knowledge in application to problems. Also, I find myself lost in discussion sometimes
- Not enough practice examples to practice with. Only get a study guide and homework each week. Also, would like more OH with the professor or TA (Amelia). Also, slides are normally just pictures, more words would be resourceful.
- Sometimes I cannot understated the discussion content and whether it is related to the lecture. Also, the lab homework and prelab sometimes are tricky and are not easy to get points, which may frustrated me about my learning experience.
- None. I love this class
- How fast Laci talks
- Short class time, so the professor speaks too fast. That's why I cannot understand well
- nothing. I'm already doing pretty well in this class just the way it is.
- The format of discussion is sometimes helpful however it could be structured differently.
- Class size
- My learning in this class is limited by the lack of review sessions before tests. I would really benefit from review sessions! Also, to allow us to complete the homework questions at least two times, instead of one. Also to add worksheets!
- Nothing
- How fast the instructor talks. It's hard to keep up.
- When using lecture capture, its difficult seeing what she's pointing to/referring to because the cams only capture the screen and when she points towards the bottom of the screen. It'd be helpful if somehow the pointer could also be seen on lec capture or she can be more clear for those who take advantage of it.
- Sometimes she goes a bit too fast and I cannot take notes and listen to her at the same time.
- -short amount of time in class but it isn't professors fault. Office of registrar should make class a little longer so material is not rushed through.
- Just straight up case studies. They're helpful but to me, I benefit from being shown or explained the learning objectives of the case study
- I am not an auditory learner but more of a visual learner so the PowerPoints help a ton and the discussion questions followed by the

Professor lecturing has really helped make things interesting, fun, and taught me a lot.

- amount of material in little time

- when some of the PowerPoint notes are blocked out, so it is difficult to refer back to the notes.

- The book—I unfortunately still do not have the textbook. I ordered one but there was a mistake in the mail and it was never sent to me and I haven't been able to afford another one. I know there is a book in the blc and one in the library, but it is difficult for me to utilize these resources because of my schedule.

- I don't know what the homework caters towards half the time, i'd like to get a better grip on the homework the time on the bottom makes me stress out. Exams are very rushed and we don't have enough time to think and and get all our answers out for the exams. 50 minutes seems to short. T.A. seems to nit-picky on every little thing in post lab homework and its lowering my grades, even though the answers are right if i forgot to mention a side factor the T.A. takes off points for little mistakes that aren't necessary since we still got the answer right. I wish they would try to look at the overall answer before cutting off half a point for a little thing from a 1 point question.

- Not much. Sometimes I wish we could go faster, but I realize that's hard to do with so many people

- Going fast through lecture slides and not giving enough time to write down all information.

- It's not limited by this, but I find discussions to be pointless

- Sometimes goes too fast, doesn't explicitly answer clicker questions (but I also like that since it makes students think!)

- Study guides should be more similar to the exam questions/format

- Not really anything. Laci is a great professor! The only suggestion I have that could help would be to post practice exams in addition to the study guide so that we can see what the format will be like.

- N/A

- The professor goes too fast sometimes so it is hard to take in what she is saying.

- She goes very fast during lecture and additionally when I try to go back in her past slides a lot of things are covered up so I don't get the fill content which is hard for me to study.

- The discussion section is really tricky. A lecture hall format isn't good for discussion and I don't have friends in this class so it makes it really difficult to fully participate. Also it would be good to get feedback on the pre-labs. As of now, all we get is a score.

- Nothing

- I do not think there is any major limitations to my learning in this class besides that the homework is due after Friday. It makes it a little difficult when I'm trying to reflect back after a whole week.

- How lab is not exactly correlated with lecture material

- Nothing by the instructor, but the book is pretty expensive. And I feel like I could know more information if I could get the book at a cheaper price.

- I do not see connections between lab and lecture.

- Inability to keep up with note taking during lectures due to the quick pace. I usually take my notes by hand onto a notebook but because the lecture slides go by so quickly it's hard to write everything I want to write down.

- Sometimes the lectures go really quickly and because some of the material is blocked on the online lecture slides I am not able to catch up when I miss something in lecture.

- by not having enough time to ask her questions outside of office hours. There should be review sessions before exams to help refresh the concepts that we've learned before the exam so we can perform better.

- The time constraint hinders my learning experience the most. I would rather cover less content than speed through more and not get alot of time to fully understand it.

- Students that hold lengthy, trifling conversation during lecture.

- Discussion activities, office hours with TA's (most TA's don't help or don't know answers to questions) not explaining certain graphs or tables enough.

- the speed of the material presented

- Discussion

- Discussion section

- Nothing! I love the class

- Nothing, the course has been exceptionally well rounded for my general learning style.

- The (low) effectiveness of my TA during lab in terms of being articulate and concise/clear with what they are asking and what they want for assignments

- Little to no explanation of concepts

- Graphs, I feel like they're gone over so quickly I don't have enough time to digest them and to understand what it's trying to show us.

- I feel that the discussions are a waste of time and inapplicable and could be better used discussing and answering questions about difficult topics in lecture

- The policy of not showing homework questions after the first and only trial is a little bit frustrating.

- Too much information in one lecture, so it is hard for me to take notes or catch up during the lectures. But I think it is understandable.

- The prelab and post labs are graded too harshly and it affects me because low grades make me feel like I don't know the subject even though I try really hard on both. Also the book isn't really required, maybe don't have it listed on the campus bookstore as a required book because it's expensive and everything on the first midterm could be learned without the book.

- I don't believe my learning is being limited by external sources, I just have trouble studying ahead.

- Some of the topics are really hard and we just whiz through them, often not checking back in to review

- The slides hiding the answers, it makes it hard to go back and study the material for the hw or exam.

- Short answer tests in an uncurved class seems unfair when other BIS2B sections have multiple choice tests.

- Professor Gerhart-Barley uploads the PowerPoint slides to canvas, however, keeps the majority of the key information hidden. This makes it difficult to go back and review a concept that you might have missed or weren't able to write sufficient notes on etc. I understand this is meant to prevent students from just skipping lectures and reading the PowerPoint slides, however, it is detrimental to the students that attended the lecture and wanted to review or refine their understanding.

- Discussion

- Limited practice resources outside of class and lab.

- Noisy classmates

- Nothing

- Sometime we move through material too fast to keep up, but that's common in college

- The professor moves from slide to slide to fast and I am unable to note down everything.

- Doing labs with gross bugs and dead flies`

- My poor science background from high school and fast quarter system. However, Professor ensures that ALL of her students, regardless of their academic background and the challenges of a quarter system, have a strong foundation on the course's objectives before we proceed to the next course in the BIO series.

- Not enough practice exam to practice