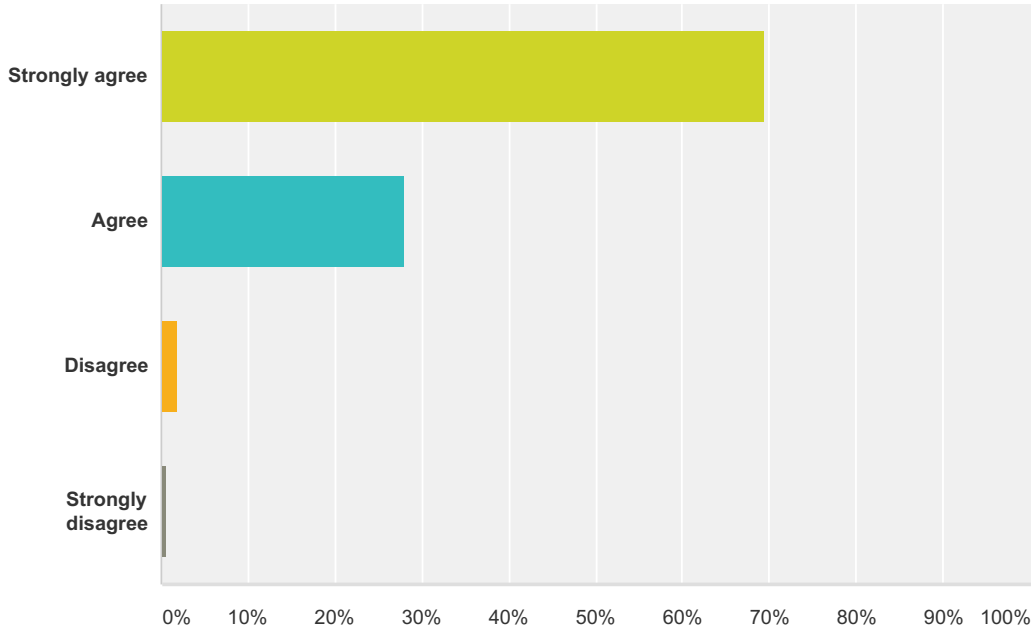
Q1 I feel as though I caught the Organic Chemistry Wave

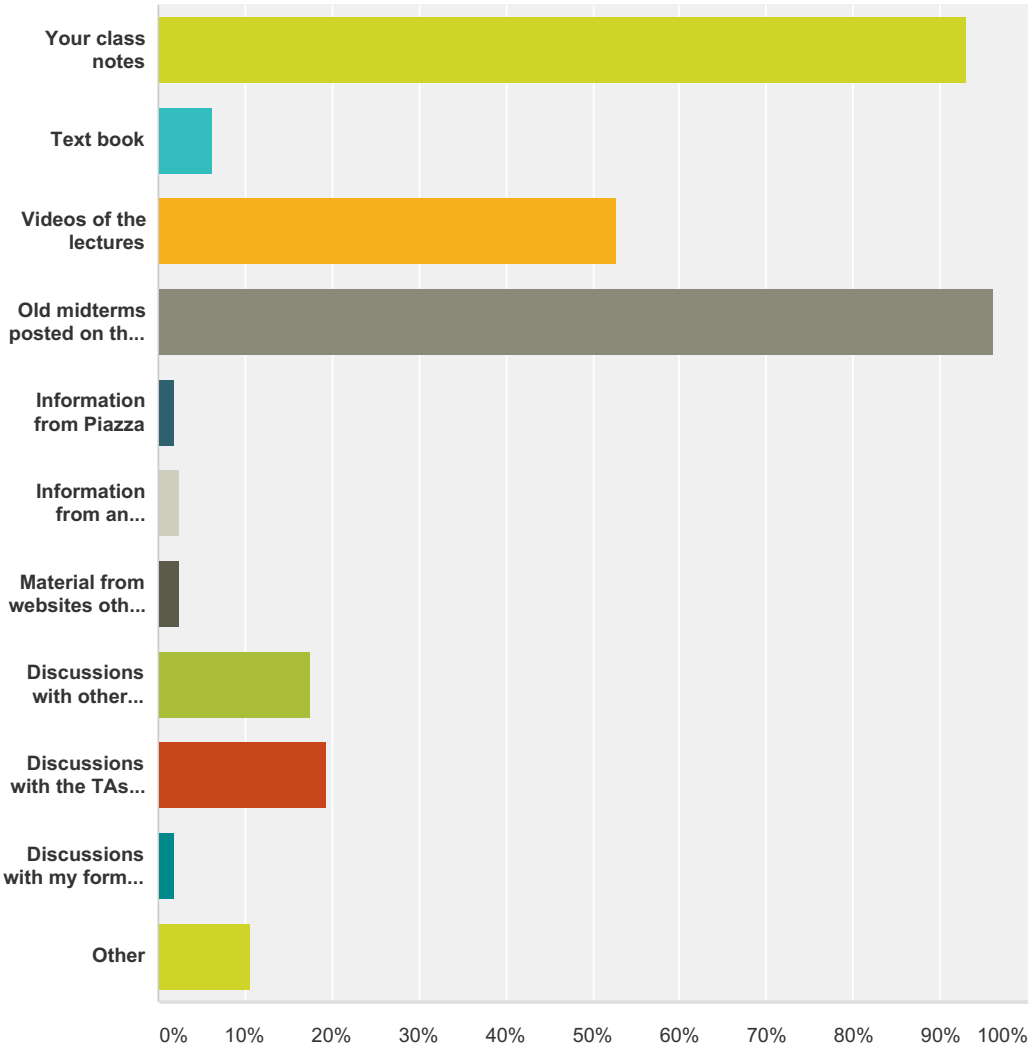
Answered: 157 Skipped: 2



Answer Choices	Responses	
Strongly agree	**69.43%**	109
Agree	**28.03%**	44
Disagree	**1.91%**	3
Strongly disagree	**0.64%**	1
Total		**157**

Q2 What were the THREE most important resources you used to prepare for the midterms?

Answered: 159 Skipped: 0



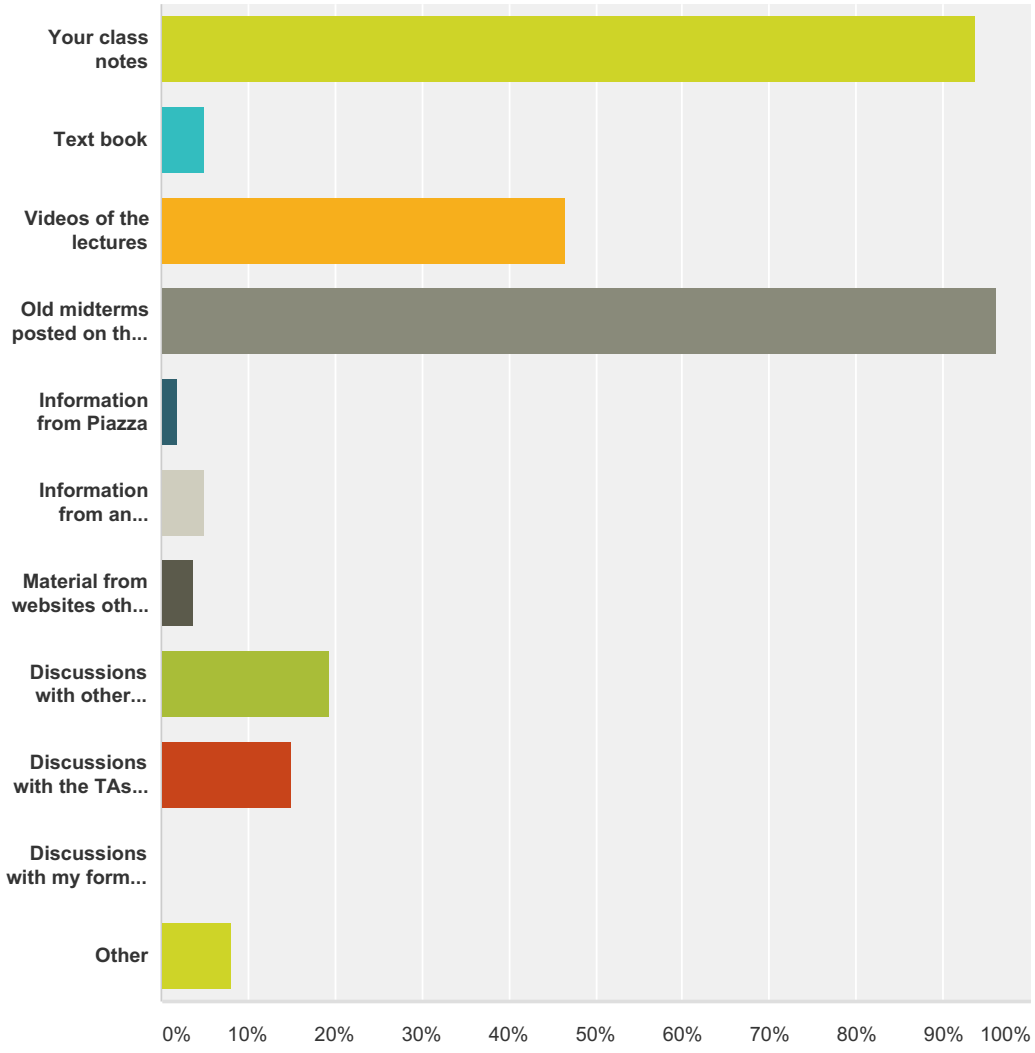
Answer Choices	Responses	
Your class notes	**93.08%**	148
Text book	**6.29%**	10
Videos of the lectures	**52.83%**	84
Old midterms posted on the course website	**96.23%**	153
Information from Piazza	**1.89%**	3
Information from an unofficial course Facebook page	**2.52%**	4
Material from websites other than the course website	**2.52%**	4

Discussions with other students	**17.61%**	28
Discussions with the TAs or the professor	**19.50%**	31
Discussions with my former students	**1.89%**	3
Other	**10.69%**	17
Total Respondents: 159		

#	Other (please specify)	Date
1	Homework	5/17/2015 3:45 PM
2	Homeworks	5/17/2015 1:53 PM
3	redoing the homeworks, mechanism sheets and the active solving session questions	5/17/2015 12:19 PM
4	redoing the homeworks, mechanism sheets and the active solving session questions	5/17/2015 12:19 PM
5	Rules of the Day/Homeworks	5/17/2015 12:15 PM
6	Online Office Hours	5/16/2015 11:52 PM
7	Homeworks	5/16/2015 9:15 PM
8	Making my own study sheets	5/16/2015 9:04 PM
9	Homeworks!	5/16/2015 8:47 PM
10	Active Problem Solving	5/16/2015 8:24 PM
11	Homeworks	5/16/2015 7:49 PM
12	Homeworks	5/16/2015 7:49 PM
13	Homework	5/16/2015 7:20 PM
14	Homework	5/16/2015 6:47 PM
15	The Tuesday problem sessions and office hours	5/16/2015 6:27 PM
16	Office Hours	5/16/2015 5:14 PM
17	Active problem solving session!	5/16/2015 4:54 PM
18	Homework Assignments	5/16/2015 4:49 PM
19	Homework problems	5/16/2015 4:43 PM
20	Redoing all the homework	5/16/2015 4:38 PM
21	Brian's Missed the Wave	5/16/2015 4:32 PM
22	Homeworks	5/16/2015 4:27 PM

Q3 What were the THREE most important resources you used to prepare for the final?

Answered: 159 Skipped: 0



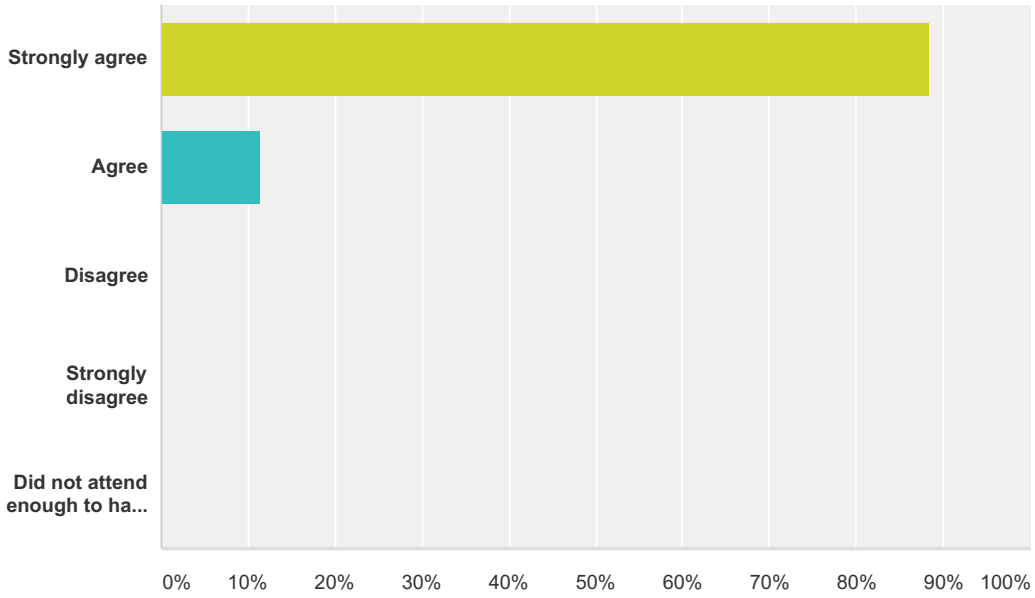
Answer Choices	Responses	
Your class notes	**93.71%**	149
Text book	**5.03%**	8
Videos of the lectures	**46.54%**	74
Old midterms posted on the course website	**96.23%**	153
Information from Piazza	**1.89%**	3
Information from an unofficial course Facebook page	**5.03%**	8
Material from websites other than the course website	**3.77%**	6
Discussions with other students	**19.50%**	31

Discussions with the TAs or the professor	**15.09%**	24
Discussions with my former students	**0.00%**	0
Other	**8.18%**	13
Total Respondents: 159		

#	Other (please specify)	Date
1	Reworked homeworks	5/19/2015 1:29 PM
2	Homeworks	5/19/2015 8:12 AM
3	old homeworks	5/18/2015 8:45 PM
4	Homeworks	5/17/2015 1:53 PM
5	redoing the homeworks and mechanism sheets	5/17/2015 12:19 PM
6	redoing the homeworks and mechanism sheets	5/17/2015 12:19 PM
7	Rules of the Day/Homeworks	5/17/2015 12:15 PM
8	Rules of the day	5/17/2015 9:28 AM
9	Homeworks	5/16/2015 9:15 PM
10	My own study sheets	5/16/2015 9:04 PM
11	Homeworks!	5/16/2015 8:47 PM
12	Homework	5/16/2015 7:49 PM
13	Homework	5/16/2015 7:49 PM
14	Homework	5/16/2015 7:20 PM
15	Homework	5/16/2015 6:47 PM
16	Material from the course website	5/16/2015 6:31 PM
17	Same as above	5/16/2015 6:27 PM
18	Redoing all of the homeworks	5/16/2015 5:24 PM
19	Active problem solving session!	5/16/2015 4:54 PM
20	Homework problems	5/16/2015 4:43 PM
21	Rules of the Day	5/16/2015 4:42 PM
22	Redoing all the homework	5/16/2015 4:38 PM
23	Homeworks	5/16/2015 4:27 PM

Q4 Attending lecture was helpful

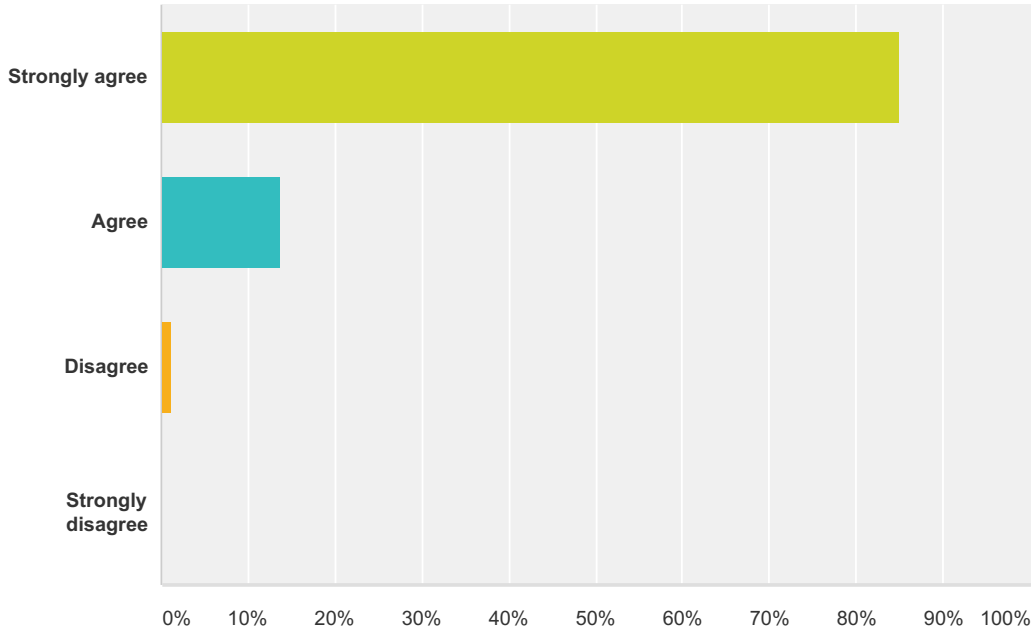
Answered: 158 Skipped: 1



Answer Choices	Responses	
Strongly agree	**88.61%**	140
Agree	**11.39%**	18
Disagree	**0.00%**	0
Strongly disagree	**0.00%**	0
Did not attend enough to have an opinion	**0.00%**	0
Total		**158**

Q5 This course helped me develop critical thinking skills as opposed to just being an exercise in memorization

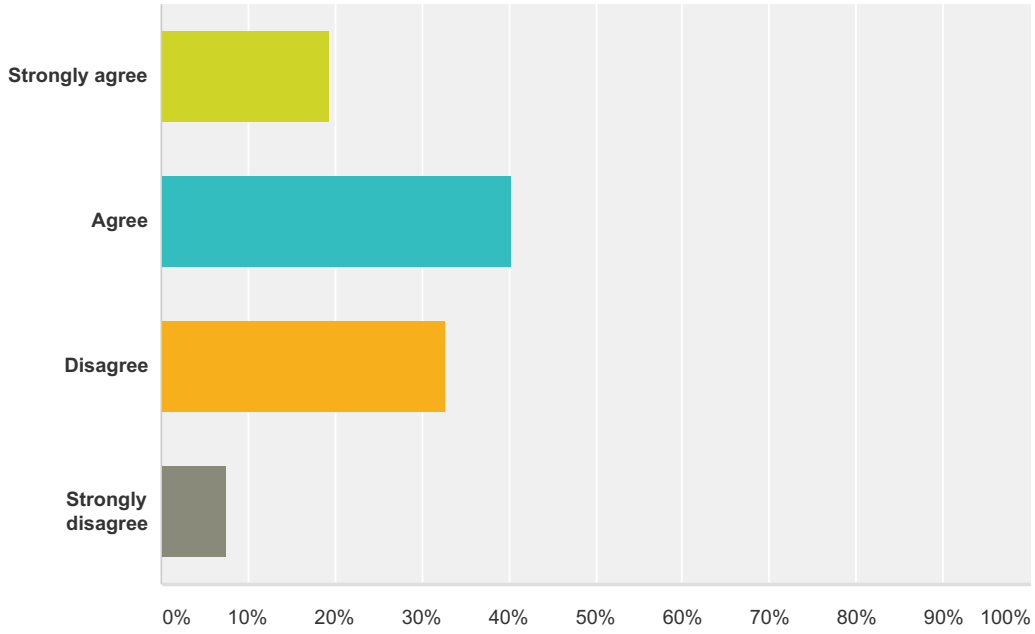
Answered: 159 Skipped: 0



Answer Choices	Responses	
Strongly agree	**84.91%**	135
Agree	**13.84%**	22
Disagree	**1.26%**	2
Strongly disagree	**0.00%**	0
Total		**159**

Q6 I should include more peer discussion activities during class (i.e. I ask you questions to briefly discuss as opposed to me just lecturing).

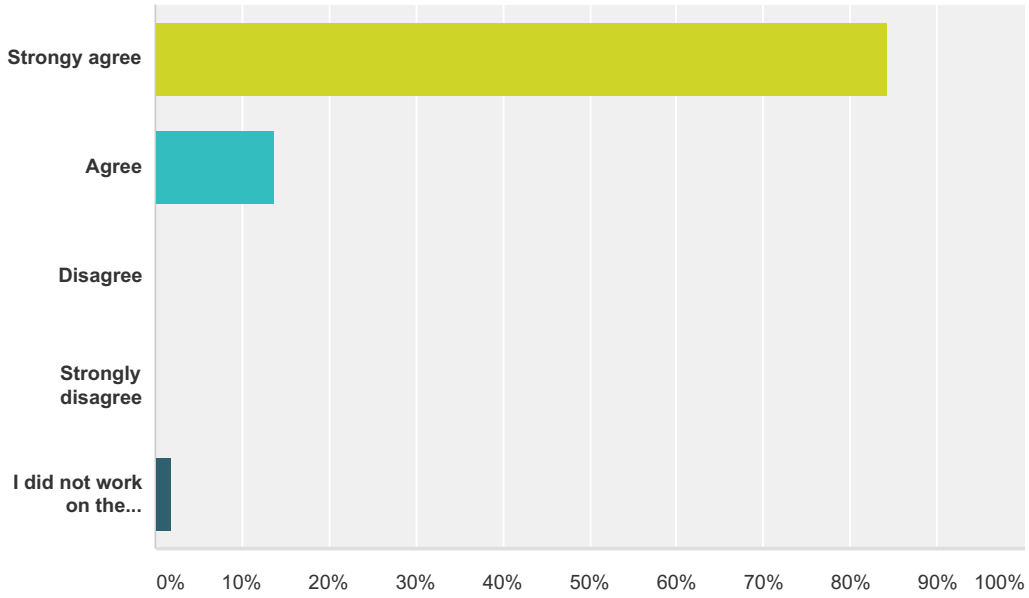
Answered: 159 Skipped: 0



Answer Choices	Responses	
Strongly agree	**19.50%**	31
Agree	**40.25%**	64
Disagree	**32.70%**	52
Strongly disagree	**7.55%**	12
Total		**159**

Q7 The homeworks were helpful

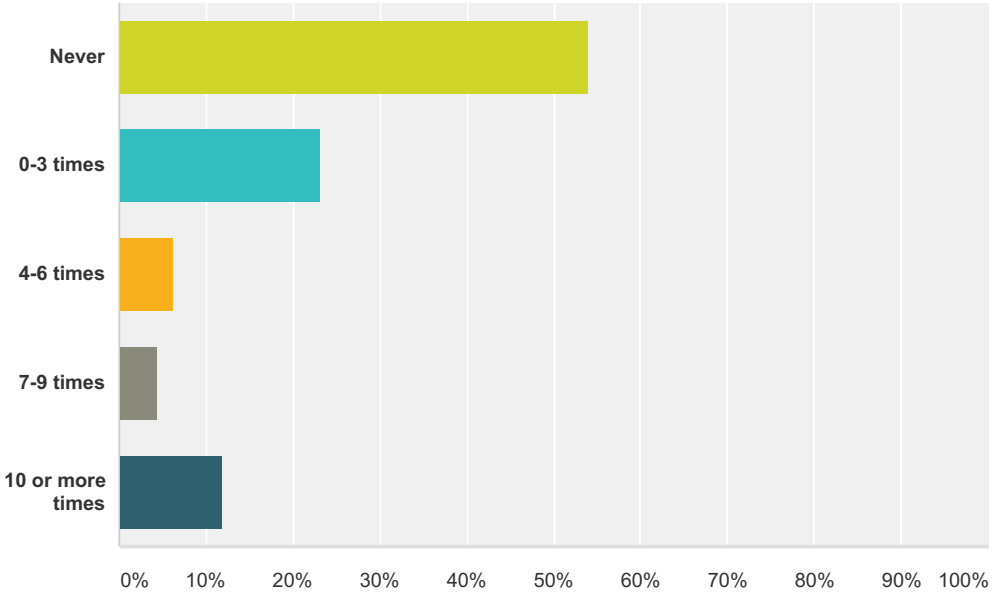
Answered: 159 Skipped: 0



Answer Choices	Responses	
Strongy agree	**84.28%**	134
Agree	**13.84%**	22
Disagree	**0.00%**	0
Strongly disagree	**0.00%**	0
I did not work on the homeworks enough to have an opinion	**1.89%**	3
Total		**159**

Q8 How many times did you attend the active learning problem solving office hours Tuesday afternoons?

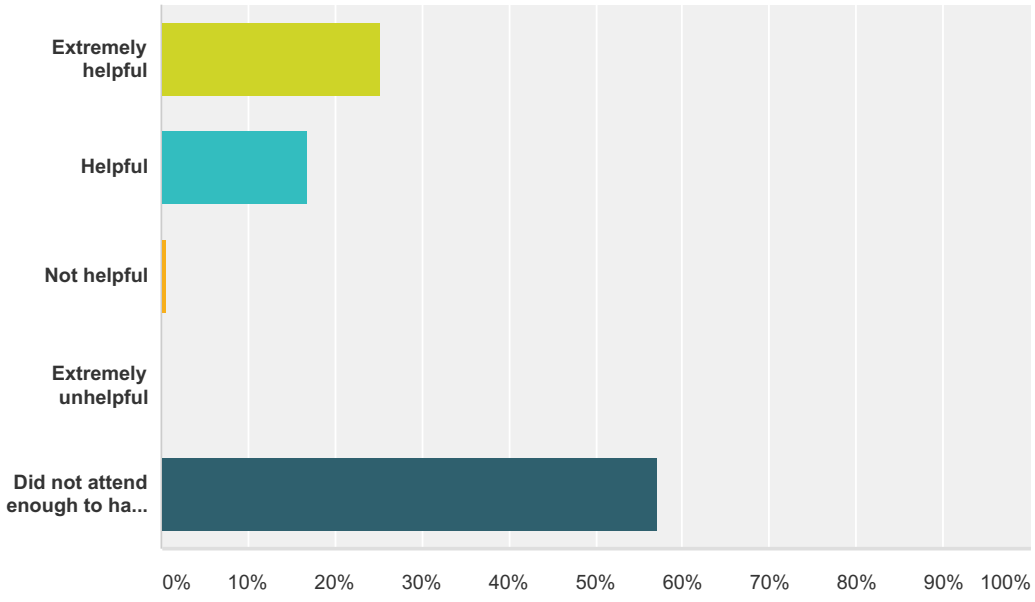
Answered: 159 Skipped: 0



Answer Choices	Responses	
Never	**54.09%**	86
0-3 times	**23.27%**	37
4-6 times	**6.29%**	10
7-9 times	**4.40%**	7
10 or more times	**11.95%**	19
Total		**159**

Q9 If you attended the active learning office hours on Tuesday afternoons, how helpful were they?

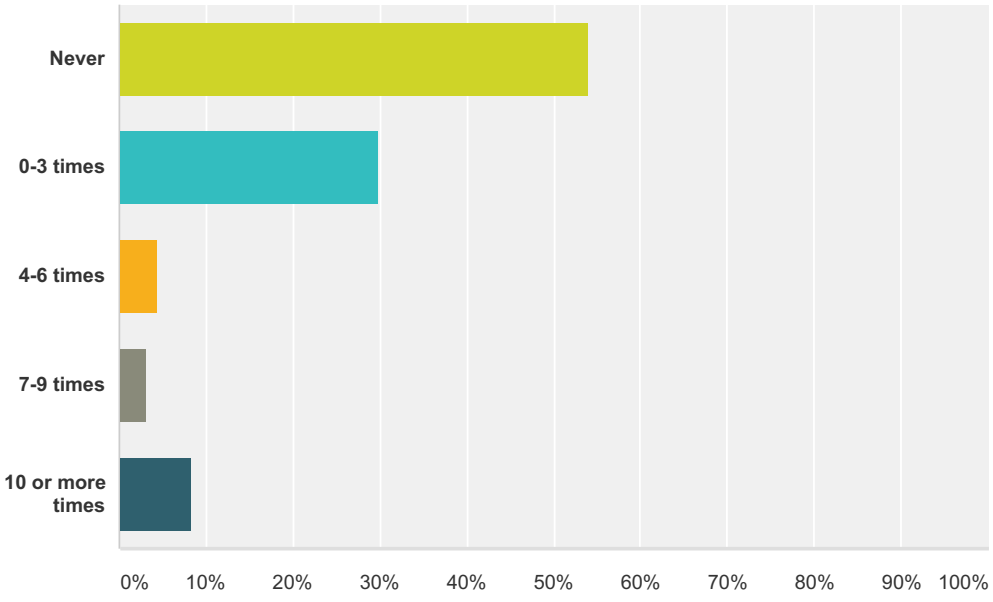
Answered: 154 Skipped: 5



Answer Choices	Responses	
Extremely helpful	**25.32%**	39
Helpful	**16.88%**	26
Not helpful	**0.65%**	1
Extremely unhelpful	**0.00%**	0
Did not attend enough to have an opinion	**57.14%**	88
Total		**154**

Q10 How many times did you attend Dr. Iverson's office hours Wednesday afternoons?

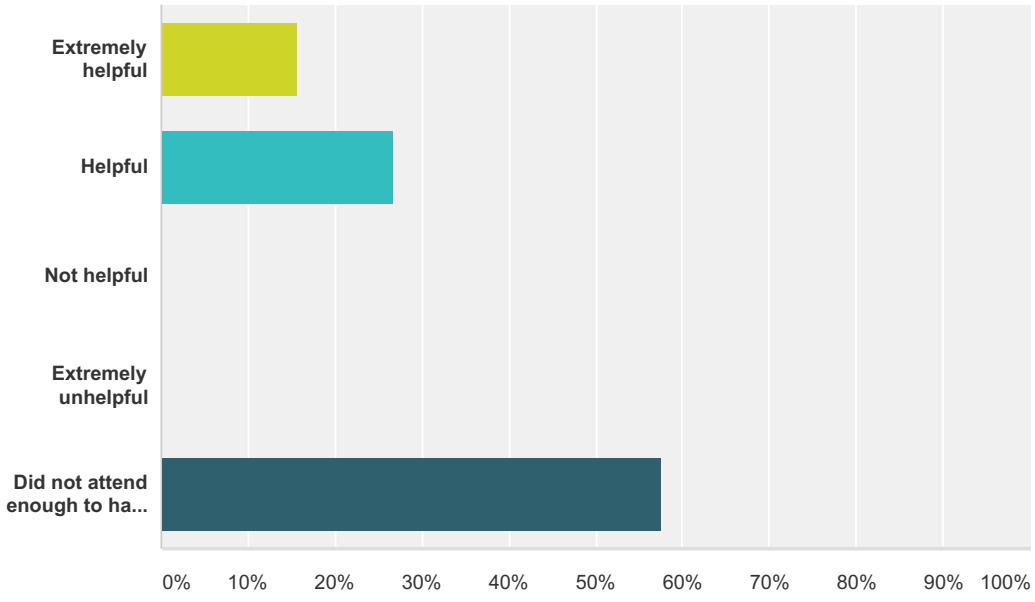
Answered: 157 Skipped: 2



Answer Choices	Responses	
Never	**54.14%**	85
0-3 times	**29.94%**	47
4-6 times	**4.46%**	7
7-9 times	**3.18%**	5
10 or more times	**8.28%**	13
Total		**157**

Q11 If you attended Dr. Iverson's office hours on Wednesday afternoons, how helpful were they?

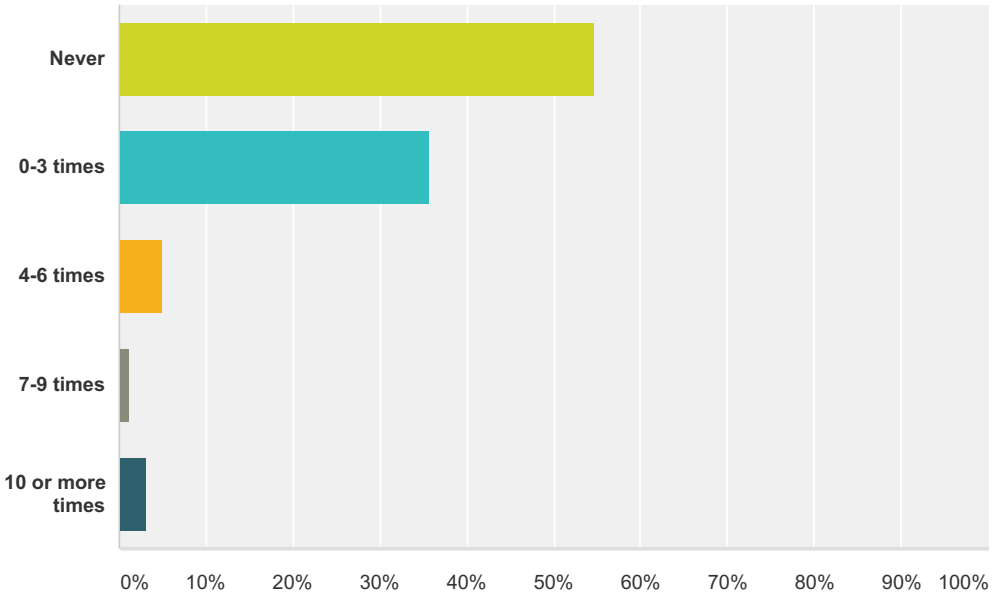
Answered: 153 Skipped: 6



Answer Choices	Responses	
Extremely helpful	**15.69%**	24
Helpful	**26.80%**	41
Not helpful	**0.00%**	0
Extremely unhelpful	**0.00%**	0
Did not attend enough to have an opinion	**57.52%**	88
Total		**153**

Q12 How many times did you attend TA Brian Ikkanda's "Missed the Wave" office hours Wednesday afternoons?

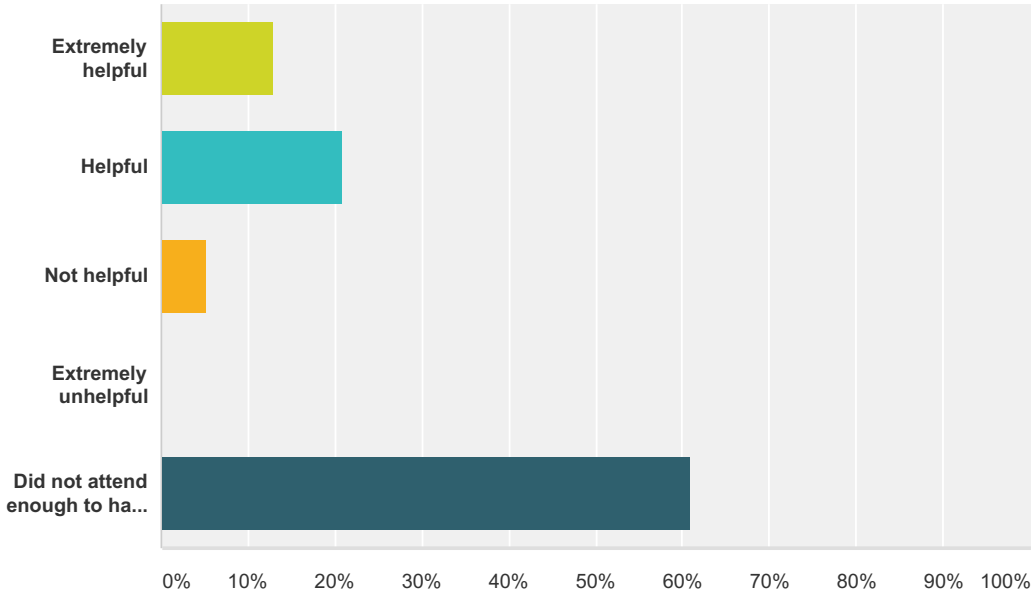
Answered: 157 Skipped: 2



Answer Choices	Responses	
Never	**54.78%**	86
0-3 times	**35.67%**	56
4-6 times	**5.10%**	8
7-9 times	**1.27%**	2
10 or more times	**3.18%**	5
Total		**157**

Q13 If you attended Brian Ikkanda's "Missed the Wave" office hours on Wednesday afternoons, how helpful were they?

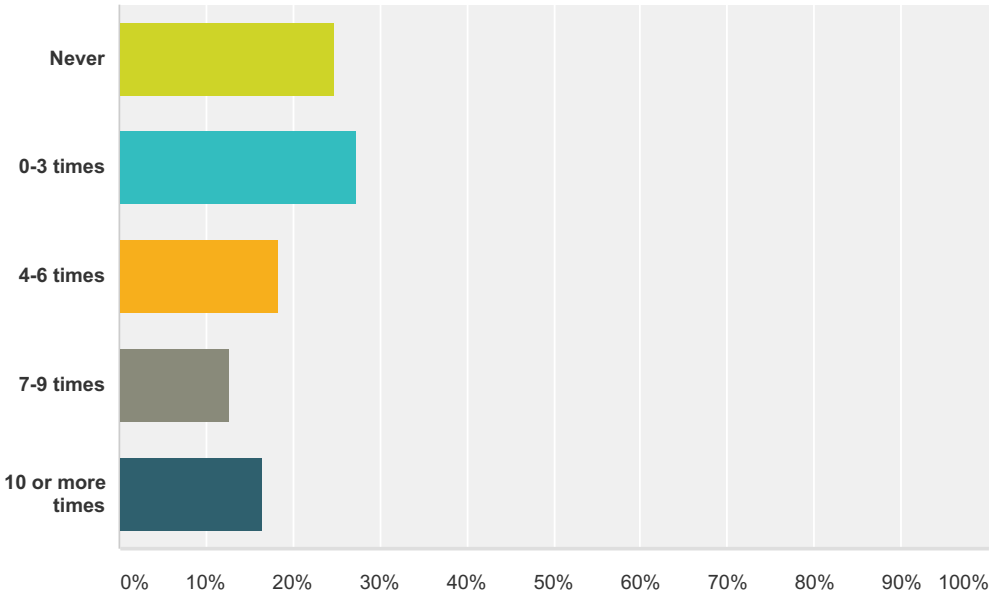
Answered: 154 Skipped: 5



Answer Choices	Responses	
Extremely helpful	**12.99%**	20
Helpful	**20.78%**	32
Not helpful	**5.19%**	8
Extremely unhelpful	**0.00%**	0
Did not attend enough to have an opinion	**61.04%**	94
Total		**154**

Q14 How many times did you log onto the simulcast virtual office hours broadcast Thursday afternoons?

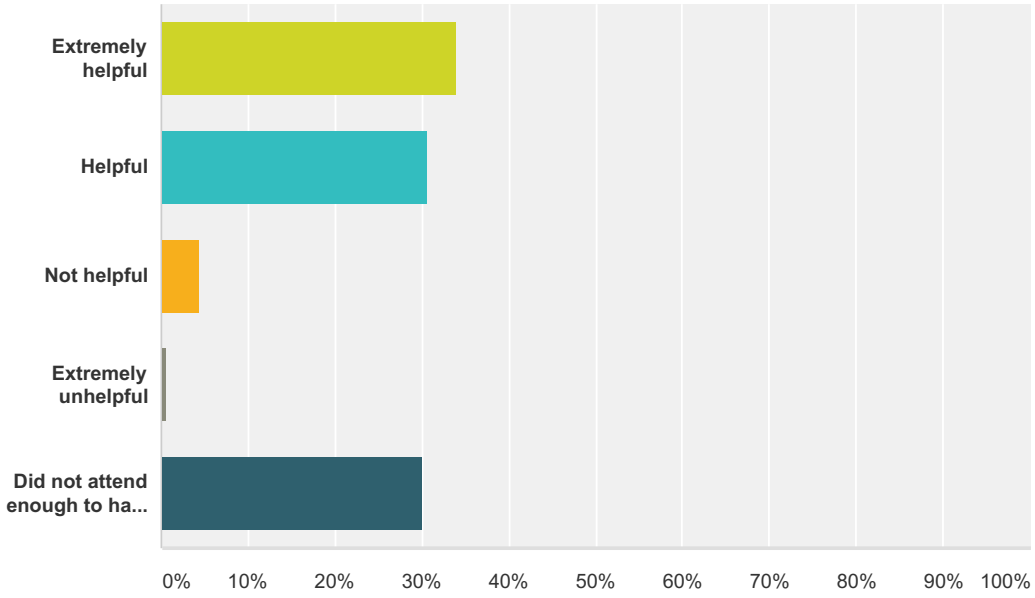
Answered: 157 Skipped: 2



Answer Choices	Responses	
Never	24.84%	39
0-3 times	27.39%	43
4-6 times	18.47%	29
7-9 times	12.74%	20
10 or more times	16.56%	26
Total		157

Q15 If you logged onto the simulcast virtual office hour broadcasts on Thursday afternoons, how helpful were they?

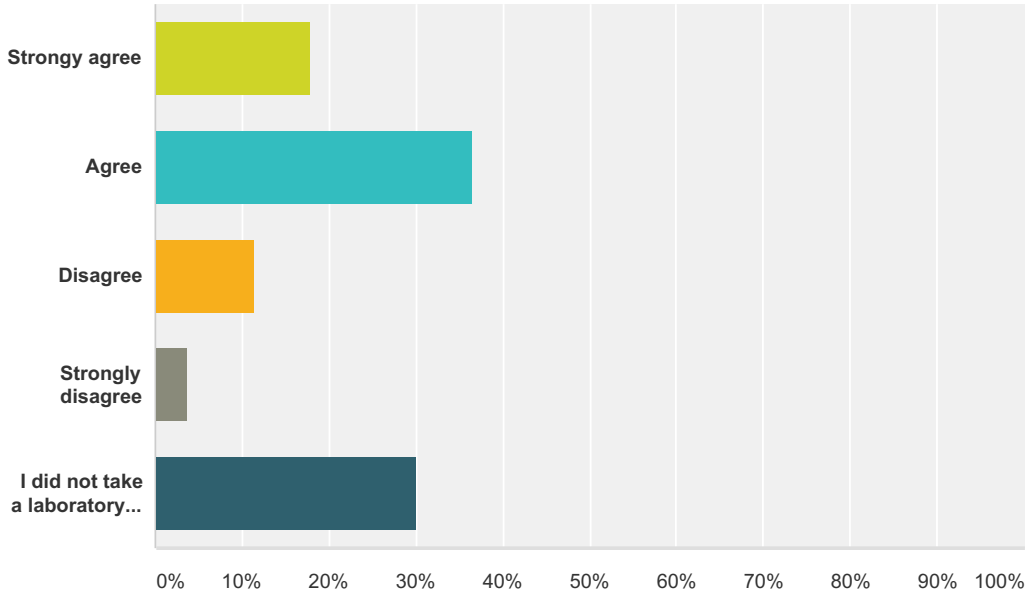
Answered: 156 Skipped: 3



Answer Choices	Responses	
Extremely helpful	**33.97%**	53
Helpful	**30.77%**	48
Not helpful	**4.49%**	7
Extremely unhelpful	**0.64%**	1
Did not attend enough to have an opinion	**30.13%**	47
Total		**156**

Q16 The experiments in the 210C lab course reinforced my learning in 320N lecture.

Answered: 156 Skipped: 3



Answer Choices	Responses	
Strongy agree	**17.95%**	28
Agree	**36.54%**	57
Disagree	**11.54%**	18
Strongly disagree	**3.85%**	6
I did not take a laboratory class this semester	**30.13%**	47
Total		**156**

Q17 Please list the three most important things you learned in my class this semester.

Answered: 135 Skipped: 24

#	Responses	Date
1	Chemistry is beautiful Electrons are important Staying fit is also important	5/19/2015 1:29 PM
2	1) critical thinking skills 2) problem solving 3) ochem that probably will stick in my mind until the MCAT a year from now	5/19/2015 8:12 AM
3	1. MOTD helped me look at things in terms of ochem. 2. Synthesis in general how something you do on paper can actually happen in real life. 3. Dr. Iverson is a real professors and others are sometimes lacking.	5/19/2015 3:18 AM
4	physical fitness is necessary to success; MRI paragraph	5/19/2015 2:17 AM
5	Synthesis skills, Molecular Families, trends in Chemical Properties	5/18/2015 7:58 PM
6	1. That there is a logic and reason behind every mechanism and once you understand it you can fill the mechanism sheets out without memorizing anything and can even correctly predict what will happen in new situations. 2. Doing the homework and doing it on time is actually very important. That way you are forcing yourself to sit down and learn the material as it is being taught. Come exam time you will be much better prepared. I learned this the hard way. For the first three homeworks I didn't finish by the due date since it wasn't for a grade and thought I could just catch up later, but I never ended up doing that since more new material just continued to pile up. I really got screwed over for the first exam from not finishing those homeworks because understanding your notes and actually being able to do the reactions are two entirely different things. 3. For tests, make sure to read the directions twice and make sure you have everything it's asking for. Double check lone pairs, charges, and especially racemic because it could make a letter grade of a difference	5/18/2015 6:06 PM
7	- Beside all the organic chemistry knowledge, I learned how to actually study in college. Always prepare before going to class. - Next, pay attention in class (not using phones/ ipads/ laptops) and ask questions. - Last, take good notes and review them weekly. - P/S: My favorite part of the lecture is MOTD, it's pretty practical and I can actually tell my friends what I have learned at OC class!	5/18/2015 5:34 PM
8	I looked at synthesis problems the wrong way until the last 3 weeks.	5/18/2015 3:24 PM
9	I learned the characteristics of different atoms and molecules based on factors such as partial charges, adjacent atoms, and electronegativity. I learned how benzene rings hybridize in order to achieve automaticity and how EAS reactions work when the ring contains a good, bad or ugly group. I learned the relative reactivity of molecules and was able to make educated guesses on the mechanisms of reactions based on these characteristic behaviors.	5/18/2015 2:25 PM
10	Complex structures can be made from simple molecules. Retrosynthesis is applicable to more than just organic chemistry. Look at where you want to end up, and then determine the necessary steps to get there from what you are starting with. This can be applied to both career goals and fitness goals. I know where the electrons are.	5/18/2015 1:19 PM
11	The importance of organic chemistry in the pharmaceutical world, how to synthesize organic molecules, and how to understand how reaction work rather than memorize.	5/18/2015 1:16 PM
12	1. Be aware of my health! I never thought about being physically active, but this class made me consider my lifestyle habits. I still need to work on actually implementing exercise in my life, but if it was not for Dr. Iverson encouraging us to take care of our bodies, I would have still never considered even exercising at all. 2. Where are the electrons? This class made me realize that some of the most complicated questions can be solved by breaking them down to their most basic components through asking simple questions. On the first day of class, Dr. Iverson mentioned how he wanted us to learn how to use intuition to understand the questions. Come the end of the semester, I feel like I have finally accomplished that task! The most exciting thing is that I can hopefully apply these intuition skills to other courses I take as well. 3. Trust your instruments!!! This rule saved my life on those synthesis questions, but I think that this rule has implications in anything I learn. Part of being able to solve any problem is to trust my instruments and to trust the information I learn.	5/18/2015 11:49 AM
13	Movement of electrons; mechanisms as tool; life is not only about work, we should take time to do other activities	5/18/2015 10:47 AM

14	To follow the electrons, Learn the concepts of how things work, and ochem isn't scary if you break it down into litltle steps.	5/18/2015 9:16 AM
15	Organic Chemistry, how organic chemistry is applied to real life situations, and the molecules of the day.	5/18/2015 9:14 AM
16	Understanding the tendencies of molecules to react in certain ways with reagents. Getting to know different everyday molecules and their inportance. Run.	5/18/2015 8:44 AM
17	1. To conceptualize before answering 2. To have a passion for the subject 3. To go out of ones way to help others	5/18/2015 6:59 AM
18	1. To conceptualize before answering 2. To have a passion for the subject 3. To go out of ones way to help others	5/18/2015 6:59 AM
19	Importance of physical health to success, molecules of the day, general problem solving	5/18/2015 4:55 AM
20	1. How to apply what I learned to scenarios I haven't seen before. 2. How to time manage. 3. Good studying strategies.	5/18/2015 3:23 AM
21	1) Where the electrons are 2) Go running or healthy=successful 3) Pop culture copied chemistry (Star Wars, G/B/U, MJ, Robinson, murder) BONUS: I'm an expert at drawing hexagons and pentagons now.	5/18/2015 1:11 AM
22	I learned how to connect what we learned in class to real life application. I also learned how to make simple molecules into much more complicated molecules. I also know where the electrons are now.	5/17/2015 6:41 PM
23	1) I learn how to study well for this class by taking notes and keeping up with the chapter. The learning process is all about catching the waves and not cramming at the last minute. 2) It is important to get the foundations and basics down before doing practice problems. I also notice that doing practice tests help tremendously for exams. 3) It is critical to take care of your education by using the resources that your class give you. I use all the resources - office hours, active session, practice tests and I am able to do well in this class.	5/17/2015 5:52 PM
24	how to predict mechanisms! personality of molecules ! KRE's for synthesis	5/17/2015 5:27 PM
25	RUN! Staring at a problem won't solve it, but structuring together the bits of knowledge will lead to the answer. Do not take the resources the class gives you for granted.	5/17/2015 4:35 PM
26	The three most important things I took away from the course was the ability to predict how a mechanism will work, how to work out synthesis through key recognition, and understanding the personalities of molecules and how those personalities can be changed.	5/17/2015 4:22 PM
27	1. Where are the electrons? (Chemical character determination) 2. Conjugated pi systems (already very useful in other courses) 3. The ability to predict mechanistic steps in a reaction	5/17/2015 3:45 PM
28	I learned how to organize the reactions in my brain, instead of just remembering a road map. I could just remember the reactions. I don't know how I passed ochem 1, I actually understood what we were doing this semester, mechanistically and in synthesis. Thank you!!	5/17/2015 2:41 PM
29	-Use the knowledge you already have to problem solve -Don't just memorize, think through the chemistry -Having a great teacher makes all the difference in learning	5/17/2015 1:53 PM
30	think, don't memorize run	5/17/2015 1:36 PM
31	Chemical Intuition, Fitness is a Must, Application to things not learned	5/17/2015 12:39 PM
32	that it is better to actively try to figure out the mechanism behind a reaction and learn the KREs instead of just memorize the reactions. pay attention to the electrons. When Dr. Iverson said this was the most important part of Organic Chemistry on the first day of class I didn't believe it was true; however, after the entire semester especially when getting to the aromaticity chapter looking out for the electrons really helped. The role of ochem in the real world. I really enjoyed the molecules of the day and the MCAT style questions because they brought to light the importance of this class. Before I had a hard time understanding why this class was necessary, but having it applied to the real world made it more important and made me more willing to learn.	5/17/2015 12:19 PM
33	that it is better to actively try to figure out the mechanism behind a reaction and learn the KREs instead of just memorize the reactions. pay attention to the electrons. When Dr. Iverson said this was the most important part of Organic Chemistry on the first day of class I didn't believe it was true; however, after the entire semester especially when getting to the aromaticity chapter looking out for the electrons really helped. The role of ochem in the real world. I really enjoyed the molecules of the day and the MCAT style questions because they brought to light the importance of this class. Before I had a hard time understanding why this class was necessary, but having it applied to the real world made it more important and made me more willing to learn.	5/17/2015 12:19 PM

34	How to think differently (through synthesis problems), logical thinking (through mechanisms), and how to study	5/17/2015 12:15 PM
35	How to approach a mechanism question in terms of understanding the characteristics of the molecules present, how to approach synthesis problems, relevant information and applications of ochem	5/17/2015 11:07 AM
36	How to intuitively go through a mechanism. How to analyze and come up with different pathways for synthesis problems. To take care of my body and stay active.	5/17/2015 10:45 AM
37	1. the AMIDE BOND 2. mri 3. ALL REACTIONS AND INTUITION ON NUCLEOPHILE/ELECTROPHILE	5/17/2015 10:08 AM
38	1. Understanding is more important than memorizing 2. About MRI 3. Fitness aids in success	5/17/2015 9:38 AM
39	1. Chemistry is all about electrons 2. I learned how to distinguish the character of molecules, 3. Running can change your life	5/17/2015 9:28 AM
40	MRI, the ability to conduct complex synthesis and to run	5/17/2015 7:51 AM
41	The mechanistic steps, which really broke down mechanisms into more succinct parts. The KREs which helped in synthesis and mechanisms. They highlighted the use and purpose of a reaction. Doing synthesis in a more methodical and logical way.	5/17/2015 4:31 AM
42	how to learn, how to think critically, what life is all about	5/17/2015 1:09 AM
43	-test taking strategies for the MCAT -this is the first science class where I understood how my knowledge was applicable to the real world. It really motivated me to do well in this class. -the devil is in the detail!!	5/17/2015 12:41 AM
44	NMR Synthesis Mechanisms	5/17/2015 12:14 AM
45	The three most important things I learned in class this semester involved examining the personality of a molecule. For instance, distinguishing between an electrophile and a nucleophile. I also got a good grasp of mechanisms and feel like I have a better understanding of organic synthesis.	5/16/2015 11:52 PM
46	1. Having a true understanding of material is better than trying to memorize it all. 2. I learned that re-watching lectures was very very helpful to seal in understanding. 3. It is best not to get overwhelmed by all the details, but keep the big picture in mind.	5/16/2015 11:50 PM
47	Where are the electrons. Thinking of substances as nucleophiles and electrophiles How to think through synthesis	5/16/2015 11:28 PM
48	Synthesis, identify the molecules by groups, ex: nucleophiles, electrophiles, etc, exercise to stay healthy.	5/16/2015 11:09 PM
49	Intuition, how MRI works, and Where are the Electrons?	5/16/2015 11:08 PM
50	Outline notes (not just for this class), practice practice practice, and organic chemistry doesn't have to be hard!	5/16/2015 11:01 PM
51	That's hard to say. KRE's were incredibly important. I didn't realize you had put together that list of them for studying for the final until it was too late, I made my own but it wasn't as good. The basics of NMR and especially MRI blew my mind, I can't believe we actually have technology like that--it seems like it should be 300 years in the future. I suppose the last thing would be that you can't do anything in organic chemistry unless you have assembled a good tool box. Synthesis is just a nightmare without it, and I wish I'd been better able to keep up with all of the concepts I needed, but you all more than did your job, and I can't imagine having a more effective professor.	5/16/2015 10:28 PM
52	How to do synthesis. How to not memorize reactions. How to think for myself.	5/16/2015 10:06 PM
53	how to do mechanisms without memorization, approach synthesis, and that being active is important	5/16/2015 10:00 PM
54	1. You don't have to memorize every answer 2. There is always a logical explanation because the universe behaves logically 3. Organic chemistry can be easy if you grasp the personalities of molecules.	5/16/2015 9:15 PM
55	1) I learned how to see the personality of molecules instead of memorizing mechanisms. 2) I learned how to recognize the KREs of different reactions to solve synthesis questions. 3) A healthy lifestyle is the most important thing to have.	5/16/2015 9:04 PM
56	Pi delocalization Overall chemical logic of mechanisms Synthesis KREs	5/16/2015 8:47 PM
57	where are the electrons? how to take an active role in my own learning general problem solving skills; thinking through complex problems	5/16/2015 8:24 PM
58	How functional groups interact how to identify kre's gained an intuitive sense for reactions	5/16/2015 8:21 PM

59	There are four basic mechanistic processes. Reactions with acids have positive charges and reactions with base have negative charges. Where are the electrons? Rrunning is important!!!!	5/16/2015 8:14 PM
60	Synthesis, to take of my health, and how to predict reactions from the nature of a molecule	5/16/2015 8:05 PM
61	1. Where are the electrons? 2. Running is important 3. How to think critically through reactions	5/16/2015 7:55 PM
62	I learned how to study, manage my time, and to not rely on memorization to learn material.	5/16/2015 7:49 PM
63	I learned how to study, manage my time, and to not rely on memorization to learn material.	5/16/2015 7:49 PM
64	1. How to approach mechanisms by understanding the properties of the reactants instead of memorization. 2. I learned how to understand how compounds react by figuring out where the electrons are. 3. I learned how to recognize characteristics of compounds and determine which reactants were used to make it.	5/16/2015 7:37 PM
65	How to logically solve a problem How to recognize a molecules "personality" Where the electrons are :)	5/16/2015 7:34 PM
66	1. The ways that different types of molecules interact (how to identify a nucleophile vs. electrophile) 2. How to learn and recognize mechanisms instead of memorizing them 3. How to work synthesis problems	5/16/2015 7:23 PM
67	Where are the electrons? Where are the electrons? And where are the electrons?	5/16/2015 7:20 PM
68	Where the electrons are. How to take a difficult concept such as Ochem and make it comprehendible. Running is healthy.	5/16/2015 7:16 PM
69	Thinking about Ochem in a logical way rather than memorization. Start studying earlier rather than a couple days before the test. Always do the homeworks	5/16/2015 7:15 PM
70	Thinking about Ochem in a logical way rather than memorization. Start studying earlier rather than a couple days before the test. Always do the homeworks	5/16/2015 7:15 PM
71	The beauty of organic synthesis, how to recognize KREs, how an MRI woRks	5/16/2015 6:57 PM
72	1. RUN! 2. To actually learn and not memorize 3. critical thinking skills	5/16/2015 6:47 PM
73	Where are the electrons? How to successfully complete synthesis questions I should start running	5/16/2015 6:40 PM
74	I learned to actually apply my knowledge. This class goes beyond the scope of just memorizing for a test and Dr. Iverson did a fantastic job reinforcing this style of teaching. I learned to not be intimidated by something that might look scary on first glance. I learned that what appeared to be a vague, theoretical subject like Organic Chemistry has huge implications in daily life and the health field.	5/16/2015 6:37 PM
75	In no particular order of importance: 1. I believe that information about the AIDS virus is very important for all that aspire to become a physician. 2. Trust your instruments. I remember taking the first midterm and I got to the hemiacetal synthesis and I almost blanked, but then I remembered the importance of the KRE's and the answer became obvious. The same goes for the bonus synthesis on the final. Although, this statement was made in the context of solving syntheses problems, I believe that trusting your instruments can be applied to the rest of one's life. 3. I believe that the class reinforced how science education should be. It is necessary for us to get constant feedback on what we are learning so that we can fail when the stakes are not high. These feedbacks came from the tuesday problem sessions, all office hours, and the homeworks. By having these constant practice resources, you could always have something to practice what you've learned. Lastly, it also showed how there are those in the world who still strive to create a better learning environment.	5/16/2015 6:36 PM
76	Understanding is more important than memorizing, stay on top of lectures, and organic chemistry is integral in every part of our life!	5/16/2015 6:31 PM
77	1. Where the electrons were 2. How to go about problem solving in general 3. Parlaying concepts into real applications	5/16/2015 6:30 PM
78	Don't memorize, understand How awesome enolate chemistry is Brent is cool	5/16/2015 6:27 PM
79	How to tackle a tough unit (Enolates) - constant synthesis practice. Memorization will only get you so far. Elements and molecules (atoms) each have personalities, and if you've grasped the idea of each personality, organic chemistry becomes that much easier.	5/16/2015 6:21 PM
80	Be healthy, learn to understand, o chem rocks!!	5/16/2015 6:21 PM
81	Stay fit Learning isn't about memorization Start strong from the beginning and keep up with the work	5/16/2015 6:06 PM
82	Explanation of MRI, chemical intuition, and that success is defined by more than grades.	5/16/2015 6:02 PM

83	Where the electrons are. How to think about reactions instead of memorizing. What an MRI is.	5/16/2015 5:59 PM
84	how to study smart the importance of being healthy how ochem applies to the real world	5/16/2015 5:57 PM
85	I learned that organic chemistry is recognition and not memorization. I learned that a good professor, attending class, and keeping up with the work can make a hard to grasp subject such as organic chemistry easier. Finally, I feel I gained a deep knowledge of organic chemistry and that I too can explain and help others with organic chemistry 2-maybe not so much organic chemistry 1, I still feel my organic chemistry 1 foundations are weak due to bad teaching, lack of engagement in class, etc.	5/16/2015 5:56 PM
86	Where are the electrons. Be active and healthy, otherwise your academic success is irrelevant. Don't memorize material, understand it.	5/16/2015 5:53 PM
87	1. Not just memorizing, but actually understanding and finding patterns. 2. Recognizing simple things, and then using that simple thing to make something more complex 3. Having the will to shoot for higher, mainly fitness wise	5/16/2015 5:48 PM
88	Running is a great this, and an easy way to stay healthy. College isn't about memorization and taking course to get a piece of paper, its about truly learning. Learning from your professors, your friends, your classmates, and every other relationship in between. Organic Chemistry isn't as hard as everyone says it is, and because of this class I learned to never base your life, on other people's experiences or opinions. We should be living life to its fullest and trying news things to become better people. We can't let other peoples failures become our own. We must learn from others.	5/16/2015 5:32 PM
89	How to learn rather than memorize organic chemistry, "where are the electrons", How an MRI works	5/16/2015 5:32 PM
90	NMR and MRI, aromaticity, and AIDS	5/16/2015 5:30 PM
91	The importance of keeping up with an online class review! good note taking habits	5/16/2015 5:28 PM
92	How to see and recognize. How to study. How to run.	5/16/2015 5:24 PM
93	1.) Understanding the question "where are the electrons" was actually extremely important. Until this class I wasn't able to predict the behavior of a chemical species just by looking at it. 2.) Organic chemistry is not something you can succeed in if you try to memorize everything. Developing problem solving skills is far more important than memorizing the reactions. 3.) This class taught me that understanding concepts can make a class go from your hardest to your easiest. The class always felt challenging but I was never overwhelmed like I was in the first semester of ochem.	5/16/2015 5:24 PM
94	We are capable of learning extremely hard material and applying our knowledge; knowing the basics really helps; always review your material	5/16/2015 5:21 PM
95	Running is important Ochem is actually useful in real life (applicable) Ochem is doable	5/16/2015 5:20 PM
96	1) what an MRI does 2) my personal learning style is to practice the material as opposed to simply watching a lecture or reading a book 3) organic chemistry is actually not that hard; it's simply like a puzzle	5/16/2015 5:14 PM
97	- Do not memorize information! If you take the time to actually learn and understand the material, it will be easier to succeed versus just trying to memorize things for the test. - Old exams are your friends. - Stay fit and run!	5/16/2015 5:13 PM
98	Organic chemistry is not an easy subject, and in order to master it (or catch the wave) it's imperative to truly understand the material. I learned how to think critically, synthesize information and apply what I've learned. This class was extremely valuable because I not only learned o chem well, I learned skills and study habits that I will most definitely apply to other upper division classes. I also learned the importance of exercising and staying fit so that I can stay health and enjoy my success when I get older!	5/16/2015 5:12 PM
99	-how to understand mechanisms rather than memorizing -how to properly prepare for a test -how to stay healthy while balancing student life	5/16/2015 5:09 PM
100	I learned how to apply what I know to solve difficult questions, I learned a lot of extra life lessons (in a good way!!!), I learned more critical thinking than organic chemistry which can be applied to so much more	5/16/2015 5:08 PM
101	Organic chemistry is very useful, I am pretty good at problem solving (synthesis problems were my favorite!), and I should run more.	5/16/2015 5:08 PM
102	Understanding personalities of molecules aka where the electrons are, synthesis, and that my health is just as important as my studies	5/16/2015 5:06 PM
103	Understand chemistry comes down to predicting the movement of electrons. Synthesis!!!!!!! If you don't stay healthy, there's no point in all this hard work.	5/16/2015 5:04 PM

104	Where are the electrons? Enolate chemistry NMR	5/16/2015 5:03 PM
105	CRITICAL THINKING. Seriously, the synthesis questions really helped with that. PATIENCE. DILIGENCE. You really need to have the patience to give yourself time to learn and not get frustrated when you get overwhelmed, because it's ochem. Diligence because for ochem, you really have to be on top of your game all the time.	5/16/2015 5:02 PM
106	Running Significance of electron density Looking at synthesis questions differently	5/16/2015 5:00 PM
107	-how to really understand the chemistry behind all of it -when you actually UNDERSTAND the topics, it's so much easier to prepare for exams & you can apply that knowledge to various things -school and learning are much more than just the grades you get	5/16/2015 4:55 PM
108	1. How to approach hard problems 2. How to think about studying 3. How to deeply learn something	5/16/2015 4:54 PM
109	1. I learned to be able to open my mind to many possibilities of answering a synthesis question as opposed to just memorizing one step. 2. I learned to appreciate organic chemistry more. 3. I learned that staying fit is the key to success in life.	5/16/2015 4:52 PM
110	I think the most important thing I learned is that Ochem has its own very particular method of studying, different from any other class. Its the realization that this method of not simply memorizing but rather truly understanding and absorbing the material will be fundamental when it comes to the methods of learning needed in medschool. This is something that blows my mind. I also learned the importance of working out and learned the beauty of loving to study. Truly loving to delve into this world of intelligence that I know when I look around me, probably 1 in 10 will every be exposed to this world of organic chemistry.	5/16/2015 4:49 PM
111	1) I can now look at a group of molecules or a reaction mechanism and predict what is going to happen. It is such an incredible feeling! 2. I feel like I developed study habits that I can apply to all of my challenging, upper division courses. The ROTD are incredibly helpful and made me appreciate how successful a student can be if he or she summarizes his/her notes at the end of each week or lecture day. 3) I learned that organic chemistry is a magnificently powerful field of study and industry. While organic chemists are responsible for tons of exciting medical breakthroughs and product development - the organic chemistry class itself is one where students learn how to see their way through complex problems and apply a set of tools to reach a solution.	5/16/2015 4:48 PM
112	Stay fit "Personality" of molecules which helps understanding instead of memorizing MCAT style questions helped reasoning skills	5/16/2015 4:48 PM
113	I've learned to use more critical thinking rather than memorization. I also enjoy the little application of organic chemistry to for instance medical application. I also practiced more study skills with others.	5/16/2015 4:47 PM
114	One of the most important things I learned in your class, and am really thankful for, is you including the MCAT questions on the exams. That really forced me to apply the knowledge that I knew in a different way to answer those questions, and when I got them right it was very encouraging because it meant that I really knew the material well. The second most important thing I learned in your class is really knowing and understanding the chemistry behind each mechanism rather than memorizing them step by step. Coming from Colapret's Ochem I class and jumping into yours I was worried that I would be behind, but you really made the transition very smooth for me and it actually feels like you taught me both semesters because I understand everything now. I love that I am able to identify whether a molecule is a nucleophile or electrophile or determining why which molecule is more acidic, reactive, or basic than another. The third important, and most surprising, thing that I learned in this class is that synthesis is actually really fun. :)	5/16/2015 4:47 PM
115	1. How to approach synthesis questions 2. Where the electrons are 3. How to rise above mediocrity	5/16/2015 4:46 PM
116	1) Don't be discouraged by how hard you think the material is, we are capable of learning anything with time. 2) Don't let the first midterm grade scare you. 3) Organic chemistry is integral to our everyday lives.	5/16/2015 4:45 PM
117	Learn the material rather than memorize it, MCAT material, thinking synthesis problems through.	5/16/2015 4:43 PM
118	I learned how important electrons are in determining the behavior of molecules. I learned that I can do well on exams without knowing absolutely everything when I understand how molecules should behave.	5/16/2015 4:42 PM
119	1) Stay fit 2) Have an open mind to learning organic chemistry. 3) Learning is not memorization!!!	5/16/2015 4:42 PM
120	Exercise, thinking through problems, organic chemistry's real life applications	5/16/2015 4:41 PM
121	Learn, don't memorize. Health is the most important thing to succeed. It's possible to enjoy a challenging class.	5/16/2015 4:41 PM
122	Knowing the personality of the molecule, understanding functional groups react the same whether in a small or big molecule, and being able to relate molecular structure to properties and life	5/16/2015 4:41 PM

123	1. Physical fitness is essential to living a successful and fulfilling life. 2. KRE's are the keys to success in any field of study. 3. Getting your first B on a college exam isn't the end of the world. It's what you do afterwards to pick yourself back up and make it through the semester that defines you.	5/16/2015 4:38 PM
124	Where are the electrons? Stay fit because society's definition of success is impossible if you don't have the health to enjoy it. Working backwards.	5/16/2015 4:36 PM
125	That understanding is the most important tool for learning. Amid bonds/pi electron delocalization is the answer to life I can't think of a third thing, but there's a ton of other things	5/16/2015 4:35 PM
126	To be healthy How to study And understand how important organic chemistry is to our lives	5/16/2015 4:34 PM
127	Be Healthy Don't get behind MRI	5/16/2015 4:33 PM
128	Critical thinking How to study better	5/16/2015 4:32 PM
129	Run, aromatics are easy, carboxylic acid derivatives are fun.	5/16/2015 4:32 PM
130	Recognizing areas of electron density. Aromaticity. Synthesis logic.	5/16/2015 4:31 PM
131	Learn not memorize	5/16/2015 4:30 PM
132	Developing a stronger sense for predicting patterns is a way more successful learning technique than trying to memorize, OUTPUT learning is crucial to a class like this-- only reading your notes will only get so far but repetitive practice is the only way to know if you're actually learning, having a passionate teacher can make the difference between learning and barely scraping by in one of the hardest classes a pre-med student will ever take!	5/16/2015 4:28 PM
133	- where the electrons are - where the electrons want to be - how the electrons are getting there	5/16/2015 4:27 PM
134	Synthesis, mechanisms, critical thinking in general	5/16/2015 4:26 PM
135	Stay fit, OChem isn't all that bad once you UNDERSTAND it, Dr. Iverson is the best professor I've ever had	5/16/2015 4:25 PM

Q18 Is there anything you did as a student that helped you in the course that has not been covered in this survey? I will pass along these suggestions to my class next year.

Answered: 94 Skipped: 65

#	Responses	Date
1	Redo the Homeworks!	5/19/2015 8:12 AM
2	I feel like it was kind of hard to pick up in the beginning because I had Dr. Colapret for Ochem 1. Some kind of supplement like mechanism fundamentals that we got in middle of the course would be nice.	5/19/2015 3:18 AM
3	Creating a master list of all reactions with: 1) starting molecule, 2) necessary reagents/conditions 3) end products was immensely helpful, perhaps more so than road maps.	5/18/2015 7:58 PM
4	Read the rules of the day!!	5/18/2015 6:06 PM
5	- Ask questions and pay attention during lectures. Do not use phones/ ipad/ laptop since it's really distracting and you may miss important concepts.	5/18/2015 5:34 PM
6	N/A	5/18/2015 3:24 PM
7	I rewrote all of the lecture notes but in my own words so that they made sense and could be grasped in a way that I wouldn't forget.	5/18/2015 2:25 PM
8	Looking through the notes from the previous lectures before class helped to ingrain the information a lot better than looking through all of the notes in one fel swoop before the exam. To prepare for the exams, I would work through the old homeworks, Tuesday learning problems, and then old exams without the use of my notes to see what I knew and what I needed to work on.	5/18/2015 1:19 PM
9	I found the most helpful tool was practicing reactions and synthesis problems over and over again.	5/18/2015 1:16 PM
10	What was really helpful for me in terms of learning the reactions and the synthesis question was to make a reaction and KRE chart (Roadmaps for me personally, were not very helpful because I am more of a visual learner). On this reaction/KRE chart, I would simply write the reaction name, write the reagents, draw an example of the reaction, and then write out its KRE in a colored pen. This chart helped me learn the reagents and the structures of the different molecules. This chart also gave me a condensed view of the molecules I had learned during that unit, so it was a good summary tool to look at, and I also could see which reactions I needed to brush up on. I would try and update this chart at the end of every week, so it also was sort of a weekly review tool as well.	5/18/2015 11:49 AM
11	Go to class always! I also learned that organic chemistry is easier that it looks. Don't get nervous when everyone starts saying its really hard. It is more time consuming than hard.	5/18/2015 10:47 AM
12	I would put mechanisms that seemed similar together in different groups so that studying didn't seem so daunting.	5/18/2015 9:16 AM
13	Get a whiteboard at home. Seriously useful. Listen to lectures at double speed in the background. The amount of material the subconscious picks up is extraordonary.	5/18/2015 8:44 AM
14	Rewriting the lecture notes since I'm not usually aware of what I'm writing during lecture. I have to go back and rewrite to reinforce what I learned.	5/18/2015 3:23 AM
15	I made flashcards of ALL the reactions we talked about. One side would have reagents along with three+ starting molecules. On the other side I wrote the KRE, a super short description of what the reaction did, other tidbits (Mechanism A/B, Hemi, Markovnikov, SYN/ANTI, etc.), and products-from the molecules on the front- that the reagents would leave. I liked this format because I could practice them either way (product to what reagent OR reagent to what happened and what product). Its more of processing why/what's happening based on what I had in front of me than just plain ol' memorization. Having something visual made it easier for me because that's how I learn... we'll that and the fact that I made them with lots of different colored pens to make them all pretty (made them less intimidating).	5/18/2015 1:11 AM

16	Organize your lecture notes in all of your classes. I learn in this class that lecture notes reinforce concepts and learning very well. Also make your lecture notes pretty and high light because it might sound silly but having organized lecture notes help you to memorize the things that you learn in class well. Definitely treat your lecture notes as an important study tools, not online sources or homework. For the final, I mostly use my lecture notes and go over important foundational concepts that can help me to do some problems.	5/17/2015 5:52 PM
17	go to the active learning problem sessions!	5/17/2015 5:27 PM
18	The survey covered how I studied fairly well, but I would like to emphasize just how helpful re-watching lectures was for me. I watched the entire semester's worth of lectures for the week leading up to the final in addition to retaking our midterms and the previous year's final. There was also a small group of about 5 of us that would meet at least once a week for the entire semester to work out what we learned and how to incorporate it with everything learned in previous weeks.	5/17/2015 4:22 PM
19	I had thorough discussions with other students about the content. After every study session we would repeat back to each other what we think we learned; I believe this helped solidify the information in our minds and we all ended up dong really well.	5/17/2015 3:45 PM
20	I went over the homework's before the test. I also made a reaction study sheet.	5/17/2015 2:41 PM
21	I redid all the homeworks which really helped prepare for the midterms and finals	5/17/2015 1:53 PM
22	do all the practice tests. All of them!	5/17/2015 1:36 PM
23	None	5/17/2015 12:39 PM
24	Getting as much practice as possible by redoing the homeworks, filling out blank mechanism sheets, doing the posted active problem solving session problems and especially redoing the old midterms. While I was not able to attend a lot of the outside office hours, problem solving sessions, etc. due to my class schedule I would still go back and watch the online office hours later and do the problem solving session problems to try and obtain a better grasp on what I was learning.	5/17/2015 12:19 PM
25	Getting as much practice as possible by redoing the homeworks, filling out blank mechanism sheets, doing the posted active problem solving session problems and especially redoing the old midterms. While I was not able to attend a lot of the outside office hours, problem solving sessions, etc. due to my class schedule I would still go back and watch the online office hours later and do the problem solving session problems to try and obtain a better grasp on what I was learning.	5/17/2015 12:19 PM
26	Practicing recognizing KREs and making a list of synthesis problems and just doing those alone really helped	5/17/2015 11:07 AM
27	Everything you have done this semester has been structured to help students succeed.	5/17/2015 10:45 AM
28	PRACTICE, PRACTICE, PRACTICE	5/17/2015 10:08 AM
29	I made a review while going through my notes and rules of the day. I wrote down a few example reactions for each type of mechanism/reaction that we covered and wrote down concepts based on the rules of the day	5/17/2015 9:28 AM
30	Mostly practicing the material rather than memorizing it was key for this class	5/17/2015 7:51 AM
31	Making study guides are helpful for me for memorizing concepts and reviewing reactions. They still don't take the place of doing lots of practice problems as the main path for preparation.	5/17/2015 4:31 AM
32	No	5/17/2015 1:09 AM
33	Read through the notes and make an outline. Don't turn to old exams until the notes are very clear.	5/17/2015 12:14 AM
34	Not really, I did everything Dr. Iverson recommended during online office hours. If I did not get an A, it was because I just didn't put in enough time in to study. It was not your fault at all!	5/16/2015 11:52 PM
35	Write summaries over all of the information from each unit. Write a summary for all of the concepts are write a list of all of the reactions for each unit.	5/16/2015 11:50 PM
36	none	5/16/2015 11:09 PM
37	Watch lectures, then apply what you know to homeworks afterwards. They help to reinforce what you learned from lecture.	5/16/2015 11:08 PM
38	GO TO TUESDAY OFFICE HOURS!!! Old practice exams are extremely helpful, and so are KRE's. On the other hand, I personally did not learn from the road maps. They were good for seeing the big picture, but I didn't memorize the map and I still caught the wave.	5/16/2015 11:01 PM

39	One thing that might help would be to have blank sheets with a ton of different starting materials that can just be printed for each mechanism so that you can see for yourself how the mechanism works with all different kinds of setups. Chances are you have this and I'm just stupid and didn't find it. But what would throw me off is that I would try a mechanism with 3 or 4 different starting molecules over and over and then be thrown a variation that I hadn't considered and just feel lost. Playing with as large a range of starting shapes as possible makes it less likely that you will realize too late that you don't understand what happens in a certain situation you hadn't even considered yet.	5/16/2015 10:28 PM
40	study with a group of individuals who know the material! they reassure themselves the information and you learn it!!	5/16/2015 10:00 PM
41	I started off doing very well in organic chemistry 1. I did not need to study very much for organic chemistry 2 because my knowledge of organic chemistry 1 surpassed my other peers. It allowed me to understand concepts more quickly than others.	5/16/2015 9:15 PM
42	Making my own study sheets like you suggested was really helpful to me!	5/16/2015 9:04 PM
43	I tried to focus on learning things as deeply as possible the first time through. With so many reactions and mechanisms a big part of catching the wave for me was always giving the material my full attention so that when I had to recollect it and apply it a month later I wouldn't need to re-learn it. A lot of that was showing up to lecture and doing the homeworks, and if I skipped a lecture/homeworj I always came back to it and focused on learning from it.	5/16/2015 8:47 PM
44	rewrite class notes each weekend to make studying for exams easier/not as painful	5/16/2015 8:24 PM
45	I did the homework and exams like 3 days before the exam then recap the most confusing/tricky stuff a day or two before the exam to make sure I understood everything that could potentially be on the test.	5/16/2015 8:21 PM
46	practice makes perfect	5/16/2015 8:14 PM
47	Going over notes while rewatching the lecture during the weekends helped me remember the material more, so it was easier to do the homework and study for the test since the material was reinforced more than once.	5/16/2015 7:49 PM
48	Going over notes while rewatching the lecture during the weekends helped me remember the material more, so it was easier to do the homework and study for the test since the material was reinforced more than once.	5/16/2015 7:49 PM
49	I always read the rules of the day before starting to work problems to study for the tests. It's helps explain the concepts.	5/16/2015 7:37 PM
50	I always made sure I had read the Rules of The Day before coming to lecture so that I would at least have a vague idea of what was going to be discussed. And I read them before each test after reading my notes to make sure I understood it all.	5/16/2015 7:34 PM
51	Although I was unable to attend the active learning sessions, I always worked through the problems on my own. I also formed a study group where we focused on practicing and vocalizing synthesis problems.	5/16/2015 7:23 PM
52	Nope	5/16/2015 7:20 PM
53	Don't cram for the tests. Learn material as you go.	5/16/2015 6:57 PM
54	Nope!	5/16/2015 6:47 PM
55	Retaking the notes as I watched the lectures And definitely literally marathon the lectures	5/16/2015 6:40 PM
56	At the end of every unit I summarized all the big ideas that I had from learned from lecture, book readings, office hours, and rules of the day in a separate journal. When I studied for the final I merely had to look at this collection of notes to refresh my memory on some topics.	5/16/2015 6:37 PM
57	From the start in ochem one, I would follow the rules of the day and watch the prescribed lectures. I did that over the summer and when I got to ochem 1, I was always one chapter ahead. Going to class then became a review of the big picture I had gotten from the book and online lectures. Then I did the first unit of ochem 2 over the winter and once school began I quickly knocked out the second unit. This allowed me to stay ahead until the 3rd unit, which I completed during spring break. The moral is: don't get behind. If you are one chapter ahead, you will get an extra week before a midterm. Two chapters = two weeks, and so on.	5/16/2015 6:36 PM
58	Before the test, do all the practice problems like past midterms, homework, and Tuesday problem solving questions without using notes to test yourself.	5/16/2015 6:31 PM
59	Nope	5/16/2015 6:30 PM

60	For each exam, I made one to two sheets of condensed notes that included synopses of mechanisms, synthesis tricks, and general relevant notes, reactions, etc. The days leading to the exam, I just studied my own condensed notes and understood the bigger picture within the smaller picture. If you yourself Dr. Iverson, or one of your more brighter students does the same, if you could post them on your website for the rest of the class to see and study themselves (and pick which one works best for them). Because the notes are condensed, only those who have caught the wave will feel that it has been a helpful refresher and will further ready them for the exams, as opposed to those who are cramming and won't understand or get it/them at all.	5/16/2015 6:21 PM
61	I met with Dr.Iverson personally after doing poorly on an exam. He told me exactly what I needed to focus on and that is what I did and I found it very helpful.	5/16/2015 5:57 PM
62	KRE table helps alot for synthesis.	5/16/2015 5:56 PM
63	I just absolutely loved organic chemistry.	5/16/2015 5:53 PM
64	None	5/16/2015 5:48 PM
65	Coming from the first Ochem with not really understanding the reactions (BARELY got a C) I was extrememly scared, but I selected Iverson because someone told me you will learn OCHEM if you take him, and there is no getting around that. I didn't know ANYTHING going in but he gave maybe a week and a half for students to review old material, and I thought that was helpful. I went back and ACTUALLY read the book and I utilized the resources that he made available on the class website. After the first exam I knew I would be alright if I utilized his resources. Previous midterms and HWs helped me prepare more than ever. I honestly repeated HWs and old exams before every exam until I didn't miss any of the questions. For the second exam I had repeated most of the websites resources, I had to search on google for another website to practice problems.	5/16/2015 5:32 PM
66	Work every practice problem given, whether it's through old exams, active problem solving sessions, re-doing homeworks, etc.	5/16/2015 5:32 PM
67	Since I could not attend the Tuesday active problem solving sessions, I found it helpful to view them on the website and work on them in my own time.	5/16/2015 5:30 PM
68	not really	5/16/2015 5:28 PM
69	DO THE HOMEWORK! I cannot stress enough how helpful the homework assignments were. They are the best way to prepare for the type of question that are asked on exams in terms of the format. The fact that they are due every week can be stressful sometimes but actually doing them instead of copying someone's answers for the extra credit point will help you keep up with the material and be prepared for the tests.	5/16/2015 5:24 PM
70	Take good notes in class and always read the rules of the day	5/16/2015 5:21 PM
71	I just want to emphasize the helpfulness of online resources, especially the old tests. Those exams were my #1 study tool by far. Having all of the homeworks posted was also very helpful. Additionally, posting the Tuesday session sheets gave me even more practice since the time conflicted with my lab.	5/16/2015 5:14 PM
72	Here are my key tips: 1) Read the rules of the day before class - they're super short so it takes no time to do. 2) Pay attention in lecture. Don't sleep or look at your phone. Seriously. 3) Go to AT LEAST one office hour a week and ask questions. 4) Do the homework with people so that you can teach them what they don't understand and they can teach you what you don't understand. 5) Summarize your notes each week. **Studying for midterms/final: compile your study sheets from each week/unit and go over them. Make sure you understand the concepts from the unit - if not, ask questions. Redo your old homework. Then go over old tests. Practice is absolutely key in being successful on the tests. If you do this you WILL get an A. I think I did! :)	5/16/2015 5:12 PM
73	I made short and condensed study guides for every exam which helped in preparation for the final	5/16/2015 5:08 PM
74	NEVER missed a lecture! The ones I could not attend I watched the video recording. Also, I studied the KREs very closely!!	5/16/2015 5:08 PM
75	I created a giant roadmap that I always had pasted on my wall and I added to it continuously as we learned new reactions. I also created general summary sheets of reactions that created new carbon-carbon bonds, reactions that reduced stuff, etc.	5/16/2015 5:02 PM
76	Just do as many old midterms or finals as possible	5/16/2015 5:00 PM
77	I simply repeatedly did different mechanisms, reactions, synthesis questions, until I couldn't find one that stumped me! I loved challenging myself to do synthesis that were not presented in class, because I felt that if I could do those, then I wouldn't ever see something I hadn't seen. Also, I made flashcards for KREs. I put the name of the reaction, if it had one, or the reactants on the front and then then KRE on the back!	5/16/2015 4:55 PM

78	Make a sheet with all the reactions you are learning along with the reagents. Go to active problem solving session. Do the book problems.	5/16/2015 4:54 PM
79	I had a study group that was extremely helpful, I watched the Tuesday problem solving if I missed it, worked a lot of problems to make sure I understood the concept	5/16/2015 4:52 PM
80	Focus on Rules of the Day because those were crucial to me and especially taking the time to use the links Dr Iverson has attached to the rules.	5/16/2015 4:49 PM
81	This survey pretty much covered everything! Something I found helpful was to have an ongoing page of notes for "Questions" in which I would reference any practice problem that gave me trouble. By getting all of those questions answered by a TA or Dr. Iverson early on, studying for the exam was much less stressful.	5/16/2015 4:48 PM
82	Your study tips you gave during one of the Thursday office hours have been EXTREMELY helpful to me in my college career. I actually started using them since the beginning of this semester and raised my gpa a whole letter grade average.	5/16/2015 4:48 PM
83	Working with other students is always helpful.	5/16/2015 4:47 PM
84	After the first exam, Dr. Iverson sent out an email advising everyone to tune into his simulcast office hour because he was going to reveal his study tips and tricks when he was a student taking this class. So of course, I watched that office hour and Dr. Iverson said that he made a reactions summary sheet. I basically made one of my own that I would continue adding on to after each exam. On my reactions sheet I would all the condensed reactions that Brian would go over with us in Missed the Wave office hours along with the KRE's underneath. Not only did my reaction sheet allow me to be successful on each midterm, but because I had been keeping up with it throughout the semester, when it came to studying for the final, I basically just had to go over lecture notes, ROTD's, and my reactions sheet. I had no anxiety whatsoever when preparing for your final. I also really enjoyed attending the active problem solving sessions and missed the wave sessions b/c that gave me more opportunities to ask questions that I needed answered. By attending all of those office hours, I found myself always "riding the wave".	5/16/2015 4:47 PM
85	For each exam and homework, do every single old exam (only relevant questions of course) and homework, possibly doing the same synthesis questions multiple times.	5/16/2015 4:46 PM
86	Outlined notes, summarized all important mechanisms to know what I start with and what I'm aiming for.	5/16/2015 4:45 PM
87	I printed out each sheet from the mechanism packet and filled out the mechanisms again without looking at my notes so that I would understand them. I also rewrote my important class notes on the back of each sheet, along with KREs, examples, and any other relevant information.	5/16/2015 4:43 PM
88	For the final exam, I reviewed the rules of the day and then practiced the midterms without any of my notes. When I came across a question I was not sure or even iffy about, I went back through homework problems and past exam problems to reinforce my knowledge and confidence with the concept. I strongly recommend you doing this!	5/16/2015 4:42 PM
89	Ask questions!	5/16/2015 4:41 PM
90	I printed out all the mechanisms and homeworks and re-did them until I never made a mistake, making sure I understood why each step was done or why the answer was what it was. Also, I simultaneously went over my class notes with the rules of the day. That tremendously helped me understand the concepts more than just reading my class notes alone.	5/16/2015 4:36 PM
91	Don't get behind	5/16/2015 4:33 PM
92	Reviewed ochem 1 material a lot	5/16/2015 4:32 PM
93	I bought a giant note pad (3 ft by 2 ft) and used it to summarize my notes and practice before every exam, I looked ridiculous carrying it around campus but it really helped.	5/16/2015 4:28 PM
94	Pay attention in class	5/16/2015 4:25 PM

Q19 Please list any ways in which I can make the class better

Answered: 106 Skipped: 53

#	Responses	Date
1	You're golden.	5/19/2015 8:12 AM
2	Keep it up Dr. Iverson! You are inspiring in so many ways and I have enjoyed learning Ochem so much! That's a huge development considering how I despised Ochem 1. Thank you.	5/19/2015 3:18 AM
3	You preach physical fitness as necessary to success; however, it seems as if you shame those who do not enjoy running as much as you do. // More in-class quizzes, please! I like having more interaction in class, and this helped.	5/19/2015 2:17 AM
4	no comments - very impressed with this class!	5/18/2015 7:58 PM
5	More synthesis discussion in class	5/18/2015 6:06 PM
6	My only complaint is that the lecture was very fast. I know that there is a lot of material to cover but I usually had to rewatch each lecture in order to get all of the information and truly understand it.	5/18/2015 2:25 PM
7	I appreciate you constantly improving your class, as you already have the most well designed and organized course I have ever taken. It would have been nice to have the KRE worksheet you posted for the final exam earlier in the semester. Other than that, I did not have a very strong grasp on CH 320M, as I memorized my way through the course. It would have become a lot more clear to me if there was a mechanism sheet for those reactions from the first semester. If there was one, I couldn't find it.	5/18/2015 1:19 PM
8	I can't think of anything, the class was taught and organized in a very good way!	5/18/2015 1:16 PM
9	This class is the best class I have ever taken at UT, hands down. My only regret is not being able to converse with Dr. Iverson more, because he is my favorite professor of all time!! This class was the best, I love it, and organic chemistry will be one of my most cherished college courses!	5/18/2015 11:49 AM
10	The only thig I can think of is checking that lectures are being recorded	5/18/2015 10:47 AM
11	Make the homework completion based at the beginning of the year.	5/18/2015 9:16 AM
12	Just keep doing what you're doing!	5/18/2015 9:14 AM
13	A live band. (On the real though, the class was amazing).	5/18/2015 8:44 AM
14	It's awesome the way it is. Thanks for all that you and your TAs do Dr. Iverson! Hope to see you around during my upcoming years at UT :D	5/18/2015 3:23 AM
15	I really don't know... I've never had a class that offered as much outside of lecture resources. Everything was on the webpage. Homework looked like the exam in question format. Key points and concepts were brought to attention in lecture and written down. There was a lot of resources I didn't utilize- but I think that's the point... that there's something for everyone. I don't have anything to complain about. This was by far one of the best classes I've taken at UT so far.	5/18/2015 1:11 AM
16	Not having you as a professor first semester and then jumping into your class second semester was challenging at first, I felt that there were more expectations to learn material on your own and little time to ask questions. The TA office hours were a good help for this.	5/17/2015 10:36 PM
17	This class could focus on integrating people of different backgrounds in the beginning in terms of reviewing ochem I materials. Maybe we could have one lecture on that.	5/17/2015 5:52 PM
18	you are killing it Dr. Iverson! thank you for giving me the motivation to start and continue regular exercise. I had lost that my freshman after being very active in high school and now I am back to it again in large part because of you and how much you emphasize it. thank you for that	5/17/2015 5:27 PM
19	More quizzes. I enjoyed the off topics that we learned about, how drugs work, AIDs, if more of that is included, I do not think people will feel bogged down by.....enolates.	5/17/2015 4:35 PM

20	This class has by far been my most enjoyable experience so far in college. I can't imagine a way to make it better. My only issue was an inability to join in the hours outside of lectures due to other classes. I relied on friends to pass along what was learned during those hours.	5/17/2015 4:22 PM
21	Do not have the homework be a completion grade. I felt that my motivation to rigorously tackle the homework questions declined after the homework was made a completion grade. I am not proud to admit it - and it is my responsibility (not yours) to be a better student than this and tackle every problem set with equal ferocity - however I think there is more value in continuously trying to solve a difficult problem (esp. for synthesis) than there is in retroactively learning from posted solutions after giving up and the completion grade may incentivize giving up for burned out end-of-semester college students.	5/17/2015 3:45 PM
22	Sometimes it was a little difficult to go from mechanism book to notes when studying because I didn't know where each mechanism should be in my notes, but very small complaint.	5/17/2015 2:41 PM
23	Having an overall reaction summary sheet with all the reactions we do at the beginning of the mechanism packet would be really helpful.	5/17/2015 1:53 PM
24	none, its great already.	5/17/2015 1:36 PM
25	Keep maintaining the format of the exams in the homework. I feel that helped prepare me for the exams because the homework looked the same.	5/17/2015 12:39 PM
26	I really enjoyed the questions during class at the end of the semester. Even if they were done as polling using iclickers or something of the sort I thought they were really helpful and challenged me to review and think about what I just learned instead of waiting till I did the homework or studied for the exam to go over what I learned each day.	5/17/2015 12:19 PM
27	I really enjoyed the questions during class at the end of the semester. Even if they were done as polling using iclickers or something of the sort I thought they were really helpful and challenged me to review and think about what I just learned instead of waiting till I did the homework or studied for the exam to go over what I learned each day.	5/17/2015 12:19 PM
28	Can you make the Active Problem Solving sessions available on multiple days or multiple times? I always wanted to attend but had ochem lab that conflicted.	5/17/2015 12:15 PM
29	It was a fantastic class and It really made me love Organic Chemistry, as hard and as frustrating as it could get.	5/17/2015 11:07 AM
30	At the beginning of the semester always be sure to tell students what ochem 1 rxns are extremely helpful for ochem 2	5/17/2015 10:45 AM
31	IT WAS THE BEST CLASS!!!!	5/17/2015 10:08 AM
32	Nothing, this class was awesome	5/17/2015 9:38 AM
33	This class is amazing and I honestly don't know how it could get better	5/17/2015 9:28 AM
34	Have a Twitter for answering questions and posting general ideas, links, etc. for the class. Also a good way to communicate with many students.	5/17/2015 4:31 AM
35	Couldn't attend Tuesday problem solving sessions due to CH 220C lab. If it were twice a week that would help.	5/17/2015 1:09 AM
36	I loved the multiple TA office hour however I had organic lab during that time. If that office hour could be recorded I think it would be of great help to the students. Sometimes the TA's explained things in a different way which helped them click!	5/17/2015 12:41 AM
37	Continue to think about improving your class outside of class. I can't describe how important the class felt just because I knew you were working as hard as your students to perform well. Keep doing what you're doing, basically.	5/17/2015 12:14 AM
38	You can't! You're incredible! Although I do not think I got a clear understanding of equivalents and balancing equations, but I am sure you will fix that for future classes!	5/16/2015 11:52 PM
39	It could be good to emphasize the importance of different study methods for the first exam too, because I, like some others I talked to, did the worst on the first unit.	5/16/2015 11:50 PM
40	This class is excellent; it doesn't need changes.	5/16/2015 11:09 PM
41	Engage the class more - keeps me involved in learning	5/16/2015 11:08 PM
42	I guess offer more office hours like Tuesday active learning so more people are able to make them if they have class conflicts	5/16/2015 11:01 PM

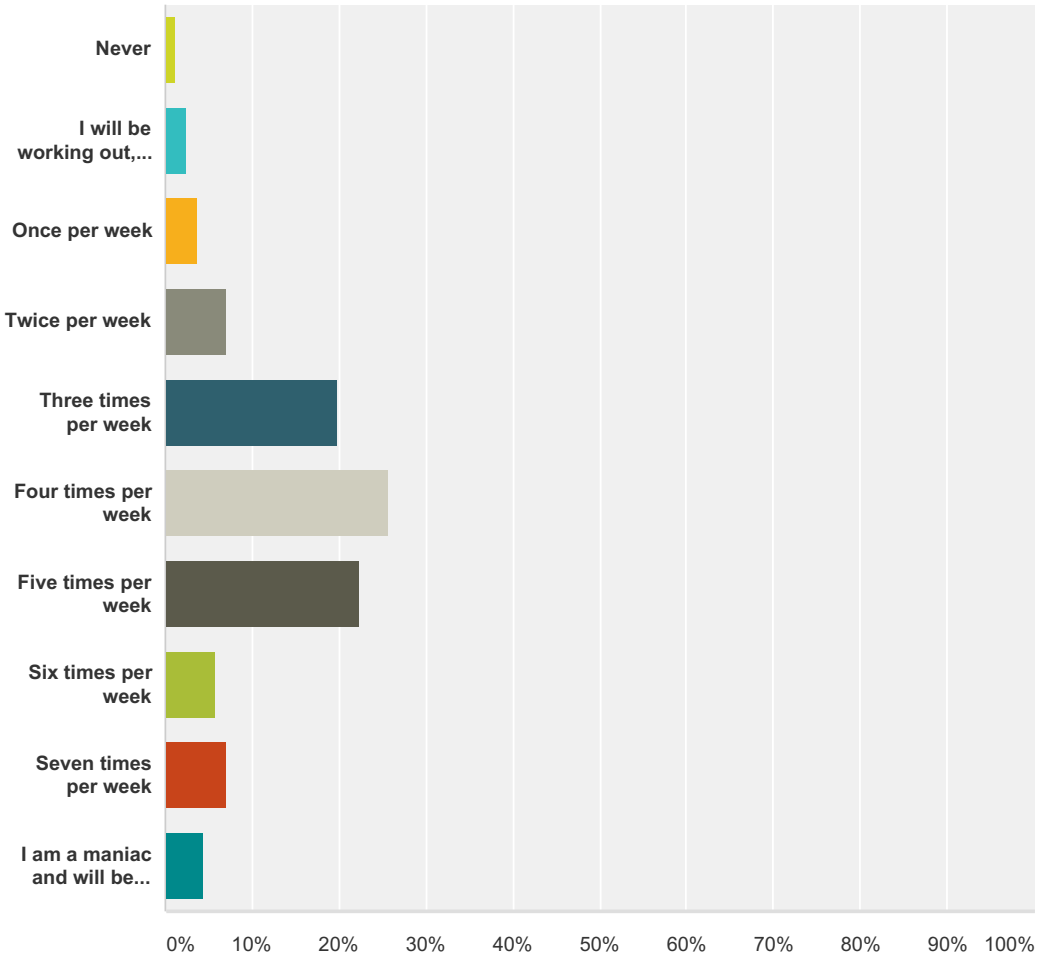
43	I guess I kind of put this in #18. Really I just want to thank you for being so clear with the material, receptive to your students, and really trying to approach this from the point of view of people who haven't done it, don't have a PhD, and don't know what they hell they are doing. I think a good number of chem teachers have lost touch with what its like, and you did a great job. I consider myself lucky to have been able to be your student and wish I had had time and confidence to try to talk to you and get to know you better. Thanks for a great semester!	5/16/2015 10:28 PM
44	You are a great professor! The best I've had at UT. Keep doing what you're doing!	5/16/2015 10:06 PM
45	It is a good class	5/16/2015 9:15 PM
46	More in class questions we can discuss would be great! Also more than one problem solving session since I could not attend the scheduled one due to having a class during that time.	5/16/2015 9:04 PM
47	More concise notes. It's much easier to study from a set of bullet points than full paragraphs of info. Shabbir does this better than any professor I've ever had!!	5/16/2015 8:47 PM
48	You can't. You rock.	5/16/2015 8:21 PM
49	more in class quizzes	5/16/2015 8:14 PM
50	I loved your singing on the last class day!	5/16/2015 8:05 PM
51	Incorporate more ways to encourage active learning and bonus points. (Have more extra credit quizzes in class)	5/16/2015 7:55 PM
52	I really liked the "clicker" questions because it forced e to really think while the material was still fresh on my mind, and getting it right was a little encouragement to pay more attention.	5/16/2015 7:49 PM
53	I really liked the "clicker" questions because it forced e to really think while the material was still fresh on my mind, and getting it right was a little encouragement to pay more attention.	5/16/2015 7:49 PM
54	It was perfect	5/16/2015 7:34 PM
55	I had lab during the active problem solving sessions so I was unable to attend them. While I understand it is impossible to accommodate everyone, I would have liked there to be another weekly problem solving session available on a different day.	5/16/2015 7:23 PM
56	Nothing it's already awesome	5/16/2015 7:20 PM
57	The class was absolutely phenomenal. It helped me actually enjoy Ochem rather than it just being another prerec I had to take.	5/16/2015 7:15 PM
58	The class was absolutely phenomenal. It helped me actually enjoy Ochem rather than it just being another prerec I had to take.	5/16/2015 7:15 PM
59	None-best class ever!	5/16/2015 6:57 PM
60	More class involvement. For example, putting more practice problems and allowing the class to try solving them first before revealing the answers	5/16/2015 6:47 PM
61	Impossible. Maximum level of greatness has been achieved.	5/16/2015 6:40 PM
62	Can't think of a single thing. This semester was terrific! I have never had a teaching system, professor and TAs, so willing to help students succeed.	5/16/2015 6:37 PM
63	Please do not start doing more in-class discussions. The class is too big and you run the risk of covering less material and having people who could care less if their neighbor understands the material try to explain something. From time to time, those "clicker" questions are ok. Keep the tuesday problem sessions going. Maybe even do it twice a week. Keep the online office hours going. If possible, more biochemistry next time (at the end of course).	5/16/2015 6:36 PM
64	Best college course I have ever taken	5/16/2015 6:30 PM
65	The only complaint would be naming compounds because the book seemed to not always cover every scenario in naming that could appear on tests or old exams that were on the website	5/16/2015 6:27 PM
66	More step by step synthesis in class rather than in the homework, so your comments can be attached to our notes as footnotes. Sometimes being lectured initially is better than personal practice. Be consistent with the in-class quizzes that are worth 1 T score point. Better the test return system, as currently Welch gets too crowded. Lastly, make the MRI question fill in the blank (and different blanks/paragraphs/sentences each exam) because there's more fundamental understanding displayed than just memorizing and reiterating the same ambiguous text on the key.	5/16/2015 6:21 PM

67	Honestly, this has been my favorite class that I have taken thus far at UT. The homeworks were great because they really prepared me for the tests, and it's embarrassing when I have to admit that Ochem is my favorite class to go to. I love that you make a lot of the information relatable not just to ochem, but to the lives many of us are going to be living later.	5/16/2015 6:06 PM
68	I think the class was great!	5/16/2015 6:02 PM
69	You're already awesome!	5/16/2015 5:59 PM
70	I am not sure what my grade is on the final exam but I made all these helpful "cheat sheets" that outlines all of the material for the semester. This was SUPER helpful. I'm willing to give them to Iverson to use if he wants them! I feel like outlines were very useful.	5/16/2015 5:57 PM
71	Overall it was a great class- not sure if the class could be better- although you are so incredibly captivating it would be cool to hear some more family/personal stories just for the sake of getting to know you better but from a teaching standpoint the class was great.	5/16/2015 5:56 PM
72	None!	5/16/2015 5:53 PM
73	I like the overall KRE sheet you provided before the final, but it was a little late to be studying that all. To me I would have like to have that at the beginning like right before starting the first section that will be covered on a test.	5/16/2015 5:48 PM
74	Having set in class TA/instructor office hours in the beginning. KEEP the LIVE OFFICE HOURS! Have one of your TAs learn the piano, and tell them to bring a mini piano so they can play along when you blow your trumpet!	5/16/2015 5:32 PM
75	Have different times for active problem sessions because I never attended the ones on Tuesday since I had a conflicting class at that time.	5/16/2015 5:30 PM
76	I cannot think of any way this class could have been improved. All of the resources you made available to us were more than enough for anyone who puts in even minimal effort. This was the best class I have ever taken at UT!	5/16/2015 5:24 PM
77	You're the most legit professor I've ever seen Dr. Iverson. That is all.	5/16/2015 5:21 PM
78	Different hours for office hours; I always had class during those times	5/16/2015 5:20 PM
79	The only part of material that threw me off was the cyclic hemiacetal formation. It didn't feel heavily emphasized in class at first but is an important reaction. It got cleared up in office hours, but just explaining that reaction a little more in depth would've been appreciated.	5/16/2015 5:14 PM
80	I think there should be 2 problem solving sessions. Or if not, they should be recorded. I always wished I could've gone to that one but I had class. I heard it was extremely helpful and I did all of the worksheets and those were helpful. Keep the thursday office hour! This class is very well organized and well thought out - that is extremely evident in everything y'all do. Keep up the GREAT work!!!	5/16/2015 5:12 PM
81	I can't think of any right now	5/16/2015 5:08 PM
82	Have a review sessions better organized. I attended a few, but did not find them very useful, which I think a better planned would help.	5/16/2015 5:08 PM
83	Honestly everything you did this semester was more than enough!	5/16/2015 5:06 PM
84	It's already great	5/16/2015 5:03 PM
85	Maybe more explosions on the last day of class.	5/16/2015 5:02 PM
86	The class is good as is	5/16/2015 5:00 PM
87	1. have more of those quizzes in class, not just for extra credit purposes, but it really helps to apply the concepts that we learn in class, that day and get instant feedback 2. you're awesome. Thanks for being so inspirational and making it evident that you wanted to see us not only succeed in your course, but life in general. Also, thank you to your awesome TAs for all the help and hard work they put into our class! Please let them know they rock!!	5/16/2015 4:55 PM
88	You are an amazing professor and this is an amazing class!	5/16/2015 4:54 PM
89	Maybe encourage the students to have study groups if all other methods do not work for them, asides that you're an AMAZING professor and you did a great job teaching me this semester.	5/16/2015 4:52 PM
90	This class was absolutley phenomenal. I wouldn't change anything about it. Sad to see it come to an end.	5/16/2015 4:49 PM

91	This class exceeded every expectation I could have ever had for an upper division college course. All aspects of the course were incredible. I especially appreciated the dedication, patience, and sacrifice of time of the TAs and Dr. Iverson. When profs are dedicated to their course, students become inspired to work hard and that's where the real learning happens!! Thanks so much, Dr. Iverson and TAs.	5/16/2015 4:48 PM
92	Keep on keeping on	5/16/2015 4:48 PM
93	More application in organic chemistry to real life	5/16/2015 4:47 PM
94	The class is already so great the way you taught it this semester, so I can't think of any way to make it better because it's already the best.	5/16/2015 4:47 PM
95	Move the active learning office hours to the evening. Many people - including myself - had class TTH 3:30-5:00 and thus we can never attend.	5/16/2015 4:46 PM
96	I loved this class!	5/16/2015 4:45 PM
97	More in-class quizzes would be nice.	5/16/2015 4:43 PM
98	I like the underwater lectures	5/16/2015 4:42 PM
99	Provide clicker questions, although not really necessary. The in class quizzes were a much better alternative	5/16/2015 4:41 PM
100	Mention more of the material that's listed in the rules of the day in class.	5/16/2015 4:36 PM
101	The class is perfect	5/16/2015 4:35 PM
102	Review Ochem1 a little longer if possible	5/16/2015 4:33 PM
103	keep being your fantastic self	5/16/2015 4:32 PM
104	Try to stay consistent with pen colors. Add the Gilman reaction to the mechanism book as well as the synthesis reactions with important KREs. More emphasis on opening time capsules.	5/16/2015 4:32 PM
105	Please give more practice problems. That helps more than anything else.	5/16/2015 4:31 PM
106	No, the class was perfect. I really wish I could take another class with you in the future.	5/16/2015 4:25 PM

Q20 How many times are you going to go running or otherwise work out this summer to stay fit?

Answered: 156 Skipped: 3



Answer Choices	Responses	
Never	1.28%	2
I will be working out, but less than once per week on average	2.56%	4
Once per week	3.85%	6
Twice per week	7.05%	11
Three times per week	19.87%	31
Four times per week	25.64%	40
Five times per week	22.44%	35
Six times per week	5.77%	9
Seven times per week	7.05%	11

I am a maniac and will be working out more than seven times per week	**4.49%**	7
Total		**156**