

*This course was taught during the COVID-19 pandemic*

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## Evaluation Results

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Francisco Javier Mercado

Instructor Summer Campuswide Teaching Evaluation Form (CTEF Numeric)

Responses: 44

Window: 8/25/21 12:00am - 9/2/21 11:50pm

Assigned to: PHYSICS 3B LEC B: BASIC PHYSICS II (47040)

## Evaluation Results

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The data on these anonymous evaluations will be compiled and the information used for the instructor's merit and promotion cases, for departmental evaluations of the instructor's performance, and to improve this course.

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### A. Please comment on the following areas and be as specific as possible:

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Question #1 • Text Response • 41 responses (93%)  
What are the instructor's teaching strengths?

Results:

- The professor is slow at approaching difficult concepts of physics; it is what makes the topics more easily grasped. Professor explains how he gets from Point A to Point B very thoroughly, reviewing previous course material to reinforce the overall concept. For example, the professor would explain the derivative of an equation, explaining where every component of the equation originates from. If the explanation dates back to simply algebra, he would reinforce the simple algebra; he would not simply skip the steps/components in expectations that students know. The lectures were concise and short, but they were sufficient enough for students to complete physics-relevant assignments. His no time limit on quizzes/exams is appreciated, allowing me to take my time to complete the questions with no rush. He is also lenient on assignments, extending deadlines when needed; he truly empathizes with the students in this 5-week accelerated course.
- He is very good at simplifying the concepts to make them easier to learn. I've always had a hard time with physics but Francisco has helped me understand the concepts much faster. His assignments and quizzes are difficult enough to where I need to understand how to apply the concepts but not too difficult to where I have no clue what he's asking for. They help reinforce my knowledge of the concept.
- Organized canvas page and ready with material each week. I think the lecture notes were very helpful to follow along with the lecture videos. The format of the class was also nice because it allowed a lot of flexibility in my schedule. This class could have been very stressful but the format of the class really helped.
- I never considered myself great at physics because it was always so difficult for me to grasp. This summer session, Professor Mercado really did an amazing job teaching

everything I need to know without making the course overwhelming. He truly helped me build my confidence in physics.

- Creates well organized modules, has many supplementary materials, posts helpful lecture slides and creates a very chill, laid back learning environment where we can focus on exploring the material instead of being pressured to memorize information for grades.
- The professor is very good at explaining the concepts clearly. He is also very understanding of his student's needs and is willing to be flexible during this time of online classes. He always responds in a timely manner and is a great guide to his students.
- Clear and concise lectures that align well with the concepts that are tested on and examinations are fair. Very accommodating for students and lets students know if there's something wrong with any assignments and is willing to negotiate with students.
- Good understanding of the challenges that come with online learning, is great with creating flexible and comprehensive learning environments, has a very clear standards and is straightforward about getting concepts across. Very accessible to students.
- Very friendly and always quick to fix any mistakes on assignments or provide clarification. His teaching style is great, he provides lecture slides and notes that go along with what he is talking about and it really helps solidify the concepts.
- Lectures and assignments were very manageable and did not stress me out at all, unlike other physics courses. Quizzes were very fair and I felt prepared for them after watching lectures.
- Great professor! Makes lectures very clear, offers TONS of outside of class help, and very accommodating for students who are taking this class online during the pandemic.
- This instructor was proficient in providing a classroom environment that was accommodating to students by providing due dates at the end of the week and recorded lectures.
- Professor Mercado is great at consolidating information when concepts are tricky. I thought it was helpful that we had his handwritten notes to follow along with.

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- Able to answer questions effectively and in an easy way to understand during office hours. He is very mindful of the students and how this class is to be taught
- Appreciate the simply yet very organized approach to this class. The modules and lecture videos were very concise and understandable.
- The instructor is very concise with his teaching and provides other resources to help reinforce the material when possible.
- He is understanding about how hard it is during Covid for school stuff and is lenient on grading and proctoring.
- Mercado's lectures were very straight to the point with no curveballs in the information we were asked to know.
- Very condensed lectures, homework and exams are conceptual based and align with lectures (no curve balls)
- Posting thorough lectures, providing students enough time to complete exams, and hosting office hours.
- Professor Mercado's teaching strengths are his enthusiasm for physics and time-efficient lectures.
- They make me excited to learn physics and teach it in a way that's easy to understand!
- His lectures are very clear, concise, and a very enjoyable teacher.
- The instructor is precise and the course is organized and timely.
- He lectures well. He provides homework that helps us on quizzes.
- Describing physics concepts in a simple, understandable manner.
- Very relatable to us students. Has a passion for the subject
- Friendly demeanor, concise in lectures, SUPER understanding

- He goes over equations and some details about the topic.
- Very informative notes and clear powerpoints/lectures
- Clear presentations and very accomodating to students
- using discussion as a platform for communicating
- His lecture is very clear and get to the point.
- Very clear about what he wants from a student.
- Clear, concise, organized, and responsive
- Clear and short lecture videos
- Answers emails quickly.
- very accessible
- organized
- all
- NA

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Question #2 • Text Response • 37 responses (84%)  
How can this instructor improve as a teacher?

Results:

- I feel that we could do more practice problems together in class or in the pre-recorded lectures. They can be separate videos from the lecture itself. It would help with completing the hw and the quizzes. In addition, this may be due to external factors, but there are a lot of mistakes in homework, lectures, and quizzes that have been a stressor for me. If there is an opportunity for these things to be checked before they are available for students, it would help lessen the questions, anxiety, and trouble of announcing these errors in the class. I also feel that during lectures, Professor Mercado

just reads the slides out and there isn't much excitement gained from learning about this topic of physics.

- There were a large amount of typos in many assignments, including quizzes and exams. Such typos distract the student from task completion as well as truly understanding the material. There is a discussion board on Canvas, where students ask questions. I have noticed that the Professor does not tend to answer the board as frequently as he stated he would. The discussion board would be left without a response for days.
- The instructor can improve by providing more example problems in his lecture videos because it was hard to do homework at times when the problems didnt seem familiar. He should also work in checking his lecture slides or assignments for errors prior to uploading as it seems to have been a problem many times.
- Go over examples. Doing the homework and quizzes help through process of elimination on the equations, but doing example problems help stimulate the solving process. I struggled a lot with doing the homework since there wasn't any examples Prof Mercado went over.
- Go into more depth about topics because the hw was a bit difficult during some weeks homework. When grading homework, TA should put notes why some points were deducted because it is hard to figure out.
- His lectures do not show any examples and do not help explain how to solve the problems. He also makes so so many mistakes on his quizzes that leaves us puzzled and makes us second-guess everything.
- He can improve by making sure he doesn't have any mistakes on lecture slides or homework or tests because it confuses students, and it is even worse when he doesn;treply in a timely manner.
- At times, the instructor was not reachable on the discussion thread on Canvas and students would not be able to get clarification on the assignment or concept until later.
- There are many mistakes in the lectures, homework, and quizzes that make things confusing. However, Francisco is quick to fix it and clear any confusion.
- Possibly providing more example problems in lectures because some problems that we are given do not really get covered and can get confusing at times

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- Be more clear and concise with wording. At times, he can say something confusing or make many mistakes in his ppt/typing that'll confuse students.
- Homework could be a bit challenging for the material taught in lecture. I wished there had been more calculation examples given.
- Sometimes the lectures are just reading off the slides. Explaining the concepts more thoroughly might be helpful.
- Be more responsive via messages. It would be great if we could use a platform like Piazza over Canvas messaging.
- I think more practice problems would help us students practice and understand the material better.
- Teach more in depth about each topic and not just read off of his very simplistic powerpoints.
- More example problems can be shown during lecture to better prepare students for homework.
- I wish there were more examples that were relative to the homework in the lectures
- Answering students' questions more often on the discussion boards.
- Many typos in quizzes and homeworks, which is off putting.
- I thought Professor Mercado was a great teacher, so N/A.
- Stop making mistakes on quizzes and homework questions.
- Could explain concepts with a little more detail.
- Go into more example problems during lecture
- have more example problems in lecture slides
- double-check presentation slides and tests

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- Well lack of communication with student.
- More problems ie examples and solutions
- do more problems during lectures
- not enough practice problems
- he's amazing
- Nothing.
- Nothing
- none
- N/A
- N/A
- NA

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Question #3 • Text Response • 22 responses (50%)  
Any other comments about this course?

Results:

- I really liked how Professor Mercado provided example problems in the Week 3 module, and even though we do not have these problems on the quizzes, I thought it helped solidify my understanding of the topic due to these practice problems.
- I enjoyed learning in this course! I was nervous coming into the class as I heard this class is notorious for being the hardest class of the Physics series, however Professor Mercado made learning easier and more fun.
- thank you for making a class like physics seem doable and even interesting! As a bio major, I was stressed to be taking the physics series but instructors like Fransisco definitely make it better.



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- Lectures are usually under 20 minutes and only covers the bare minimum of each topic with no example questions and the homework is very difficult to do from the information learned from lecture.
- This course experience was more enjoyable than that of other physics courses as the lectures and examinations were fair and not intending to trick students.
- This class has made me enjoy physics, which has never happened before.
- I have no other comments about this course.
- Nothing in particular.
- Good course
- None
- none
- none
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A
- n/a
- n/a

- NA
- no

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## B. Please choose the appropriate rating:

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### Grid Question Header

If you have no opinion on the question asked or if it does not apply, please select "Not Applicable."

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Question #4 • Grid Question • 43 responses (98%)

The course instructor shows enthusiasm for and is interested in the subject.

RESPONSE	COUNT	%
9 (Excellent) Answer Value: 9	24	56%
8 Answer Value: 8	8	19%
7 Answer Value: 7	5	12%
6 (Good) Answer Value: 6	4	9%
5 Answer Value: 5	0	0%
4 Answer Value: 4	1	2%
3 Answer Value: 3	0	0%
2 Answer Value: 2	0	0%
1 (Barely Satisfactory) Answer Value: 1	0	0%
0 (Unsatisfactory) Answer Value: 0	0	0%
Not Applicable Answer Value: None, not counted in stats	1	2%

Mean: 8.17

Min: 4.00

Median: 9.00

Max: 9.00

Standard deviation: 1.19

Mode: 9

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Question #5 • Grid Question • 43 responses (98%)

The course instructor stimulates your interest in the subject.

RESPONSE	COUNT	%
<b>9 (Excellent)</b> Answer Value: 9	20	47%
<b>8</b> Answer Value: 8	10	23%
<b>7</b> Answer Value: 7	7	16%
<b>6 (Good)</b> Answer Value: 6	0	0%
<b>5</b> Answer Value: 5	3	7%
<b>4</b> Answer Value: 4	0	0%
<b>3</b> Answer Value: 3	1	2%
<b>2</b> Answer Value: 2	0	0%
<b>1 (Barely Satisfactory)</b> Answer Value: 1	1	2%
<b>0 (Unsatisfactory)</b> Answer Value: 0	0	0%
<b>Not Applicable</b> Answer Value: None, not counted in stats	1	2%

Mean: 7.81

Min: 1.00

Median: 8.00

Max: 9.00

Standard deviation: 1.74

Mode: 9

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Question #6 • Grid Question • 43 responses (98%)

The course instructor meets stated objectives of the course.

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RESPONSE	COUNT	%
<b>9 (Excellent)</b> Answer Value: 9	25	58%
<b>8</b> Answer Value: 8	9	21%
<b>7</b> Answer Value: 7	4	9%
<b>6 (Good)</b> Answer Value: 6	2	5%
<b>5</b> Answer Value: 5	1	2%
<b>4</b> Answer Value: 4	0	0%
<b>3</b> Answer Value: 3	1	2%
<b>2</b> Answer Value: 2	0	0%
<b>1 (Barely Satisfactory)</b> Answer Value: 1	0	0%
<b>0 (Unsatisfactory)</b> Answer Value: 0	0	0%
<b>Not Applicable</b> Answer Value: None, not counted in stats	1	2%

Mean: 8.21  
Median: 9.00  
Standard deviation: 1.28

Min: 3.00  
Max: 9.00  
Mode: 9

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Question #7 • Grid Question • 43 responses (98%)  
The course instructor is accessible and responsive.

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RESPONSE	COUNT	%
<b>9 (Excellent)</b> Answer Value: 9	22	51%
<b>8</b> Answer Value: 8	6	14%
<b>7</b> Answer Value: 7	4	9%
<b>6 (Good)</b> Answer Value: 6	6	14%
<b>5</b> Answer Value: 5	1	2%
<b>4</b> Answer Value: 4	1	2%
<b>3</b> Answer Value: 3	0	0%
<b>2</b> Answer Value: 2	0	0%
<b>1 (Barely Satisfactory)</b> Answer Value: 1	1	2%
<b>0 (Unsatisfactory)</b> Answer Value: 0	1	2%
<b>Not Applicable</b> Answer Value: None, not counted in stats	1	2%

Mean: 7.62

Min: 0.00

Median: 9.00

Max: 9.00

Standard deviation: 2.08

Mode: 9

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Question #8 • Grid Question • 43 responses (98%)

The course instructor creates an open and fair learning environment.

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RESPONSE	COUNT	%
<b>9 (Excellent)</b> Answer Value: 9	27	63%
<b>8</b> Answer Value: 8	6	14%
<b>7</b> Answer Value: 7	4	9%
<b>6 (Good)</b> Answer Value: 6	5	12%
<b>5</b> Answer Value: 5	0	0%
<b>4</b> Answer Value: 4	0	0%
<b>3</b> Answer Value: 3	0	0%
<b>2</b> Answer Value: 2	0	0%
<b>1 (Barely Satisfactory)</b> Answer Value: 1	0	0%
<b>0 (Unsatisfactory)</b> Answer Value: 0	0	0%
<b>Not Applicable</b> Answer Value: None, not counted in stats	1	2%

Mean: 8.31  
Median: 9.00  
Standard deviation: 1.06

Min: 6.00  
Max: 9.00  
Mode: 9

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Question #9 • Grid Question • 43 responses (98%)

The course instructor encourages students to think in this course.

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RESPONSE	COUNT	%
<b>9 (Excellent)</b> Answer Value: 9	25	58%
<b>8</b> Answer Value: 8	9	21%
<b>7</b> Answer Value: 7	3	7%
<b>6 (Good)</b> Answer Value: 6	1	2%
<b>5</b> Answer Value: 5	3	7%
<b>4</b> Answer Value: 4	0	0%
<b>3</b> Answer Value: 3	1	2%
<b>2</b> Answer Value: 2	0	0%
<b>1 (Barely Satisfactory)</b> Answer Value: 1	0	0%
<b>0 (Unsatisfactory)</b> Answer Value: 0	0	0%
<b>Not Applicable</b> Answer Value: None, not counted in stats	1	2%

Mean: 8.14  
Median: 9.00  
Standard deviation: 1.41

Min: 3.00  
Max: 9.00  
Mode: 9

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Question #10 • Grid Question • 43 responses (98%)

The course instructor's presentations and explanations of concepts were clear.

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RESPONSE	COUNT	%
<b>9 (Excellent)</b> Answer Value: 9	23	53%
<b>8</b> Answer Value: 8	8	19%
<b>7</b> Answer Value: 7	4	9%
<b>6 (Good)</b> Answer Value: 6	3	7%
<b>5</b> Answer Value: 5	1	2%
<b>4</b> Answer Value: 4	0	0%
<b>3</b> Answer Value: 3	1	2%
<b>2</b> Answer Value: 2	0	0%
<b>1 (Barely Satisfactory)</b> Answer Value: 1	2	5%
<b>0 (Unsatisfactory)</b> Answer Value: 0	0	0%
<b>Not Applicable</b> Answer Value: None, not counted in stats	1	2%

Mean: 7.79

Min: 1.00

Median: 9.00

Max: 9.00

Standard deviation: 2.01

Mode: 9

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Question #11 • Grid Question • 43 responses (98%)

Assignments and exams covered important aspects of the course.



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RESPONSE	COUNT	%
<b>9 (Excellent)</b> Answer Value: 9	28	65%
<b>8</b> Answer Value: 8	8	19%
<b>7</b> Answer Value: 7	2	5%
<b>6 (Good)</b> Answer Value: 6	4	9%
<b>5</b> Answer Value: 5	0	0%
<b>4</b> Answer Value: 4	0	0%
<b>3</b> Answer Value: 3	0	0%
<b>2</b> Answer Value: 2	0	0%
<b>1 (Barely Satisfactory)</b> Answer Value: 1	0	0%
<b>0 (Unsatisfactory)</b> Answer Value: 0	0	0%
<b>Not Applicable</b> Answer Value: None, not counted in stats	1	2%

Mean: 8.43  
Median: 9.00  
Standard deviation: 0.95

Min: 6.00  
Max: 9.00  
Mode: 9

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Question #12 • Grid Question • 43 responses (98%)  
What overall evaluation would you give this instructor?

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RESPONSE	COUNT	%
<b>9 (Excellent)</b> Answer Value: 9	23	53%
<b>8</b> Answer Value: 8	11	26%
<b>7</b> Answer Value: 7	1	2%
<b>6 (Good)</b> Answer Value: 6	3	7%
<b>5</b> Answer Value: 5	1	2%
<b>4</b> Answer Value: 4	2	5%
<b>3</b> Answer Value: 3	0	0%
<b>2</b> Answer Value: 2	1	2%
<b>1 (Barely Satisfactory)</b> Answer Value: 1	0	0%
<b>0 (Unsatisfactory)</b> Answer Value: 0	0	0%
<b>Not Applicable</b> Answer Value: None, not counted in stats	1	2%

Mean: 7.98  
Median: 9.00  
Standard deviation: 1.64

Min: 2.00  
Max: 9.00  
Mode: 9

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Question #13 • Grid Question • 43 responses (98%)  
What overall evaluation would you give this course?

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RESPONSE	COUNT	%
<b>9 (Excellent)</b> Answer Value: 9	21	49%
<b>8</b> Answer Value: 8	9	21%
<b>7</b> Answer Value: 7	6	14%
<b>6 (Good)</b> Answer Value: 6	1	2%
<b>5</b> Answer Value: 5	1	2%
<b>4</b> Answer Value: 4	1	2%
<b>3</b> Answer Value: 3	0	0%
<b>2</b> Answer Value: 2	2	5%
<b>1 (Barely Satisfactory)</b> Answer Value: 1	1	2%
<b>0 (Unsatisfactory)</b> Answer Value: 0	0	0%
<b>Not Applicable</b> Answer Value: None, not counted in stats	1	2%

Mean: 7.69  
Median: 8.50  
Standard deviation: 2.03

Min: 1.00  
Max: 9.00  
Mode: 9

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## C. Please answer:

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Question #14 • Multiple Choice • 43 responses (98%)

Based on completed assignments thus far, what is your current course grade or approximate standing?

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RESPONSE	COUNT	%
A Answer Value: 4	40	93%
B Answer Value: 3	2	5%
C Answer Value: 2	0	0%
D Answer Value: 1	0	0%
F Answer Value: 0	0	0%
NA Answer Value: None, not counted in stats	1	2%

Mean: 3.95

Min: 3.00

Median: 4.00

Max: 4.00

Standard deviation: 0.21

Mode: 4

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Question #15 • Multiple Choice • 44 responses (100%)

How much academic dishonesty seemed to occur in this course? If applicable, please describe the type of academic dishonesty that occurred (not the particular students involved).

RESPONSE	COUNT	%
A lot	0	0%
Some	1	2%
A little	1	2%
None I could discern	42	95%

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Question #16 • Text Response • 7 responses (16%)

Examples:

Results:

- Sharing of notes, homework, concept check answers
- None I could discern
- N/A
- N/A

- N/A

- N/A

- N/a

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Question #17 • Multiple Choice • 44 responses (100%)

How helpful were the textbooks and/or readings to your overall learning experience?

RESPONSE	COUNT	%
Very	3	7%
Adequately	10	23%
Somewhat	15	34%
Not at all	16	36%

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Question #18 • Multiple Choice • 44 responses (100%)

How challenging was this course?

RESPONSE	COUNT	%
Very	10	23%
Adequately	29	66%
Somewhat	5	11%
Not at all	0	0%

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Question #19 • Multiple Choice • 44 responses (100%)

What school do you normally attend?

RESPONSE	COUNT	%
UCI	44	100%
Other UC Campus	0	0%
Other College or University	0	0%
Community College	0	0%
UCI Division of Continuing Education (DCE)	0	0%
Hight School	0	0%
Not Applicable	0	0%

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Question #20 • Multiple Choice • 44 responses (100%)

What is the primary reason you enrolled in Summer Session?

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RESPONSE	COUNT	%
To accelerate progress toward my degree	37	84%
To enroll in a course impacted during Fall, Winter or Spring	5	11%
To retake a course	2	5%
For personal development or professional enrichment	0	0%

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Question #21 • Multiple Choice • 42 responses (95%)  
How did you find out about UCI Summer Session?

RESPONSE	COUNT	%
Academic advisor	6	14%
Social media	0	0%
Website	12	29%
Campus email	8	19%
Admission correspondence	0	0%
Word of mouth	16	38%

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Question #22 • Text Response • 11 responses (25%)  
What programs would you like to see added to Summer Session?

Results:

- Bio sci anatomy lab + lecture
- more dance major courses
- N/A
- N/A
- N/A
- N/A
- N/A
- N/A

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- N/A
- N/a
- n/a

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Thank you for helping to increase teaching excellence at UCI!