

# YANG CAROLINE - MATH 233-002 2172 CAS Individual Report Spring 2017

### Spring 2017 College of Arts and Sciences Course Evaluations

Project Audience 40 Responses Received 37 Response Ratio 92.50%

#### **Report Comments**

Your course evaluation report consists of the following sections:

**Response Averages:** The average across all, or a group of questions with comparisons to your division, department, subject code, and the evaluation instrument used. This section only encompasses the Likert scale items on the evaluation.

**Instructor Personalized Question Responses** (where applicable): breakdown of responses and comments from these questions.

#### **Free Response Question Answers**

**Comparisons:** This section shows a comparison of individual question scores for the course and the department for the Likert scale questions. Some questions will also display a comparison to the division, subject code, and the evaluation instrument used when this data is appropriate. This section does not include questions about the student's performance or experience.

**Question Response Breakdowns:** This section provides further statistical information as well as a breakdown of all responses received from all questions that were not free response.

Creation Date Tue, Jul 04, 2017



# **Overall Response Averages**

Overall Average	
	Division (4.03) -
	Department (3.87)
	Subject (3.87)
	Evaluation Instrument (3.91)
	Course (4.61)
	0.00 1.00 2.00 3.00 4.00 5.00

# **Overall Average Statistics**

Competency	Course Average	Standard Deviation	Min	Max
Overall Average	4.61	+/-0.61	2.00	5.00

## **Course & Instructor Characteristics Averages**



# **Course & Instructor Characteristics Average Statistics**

Competency	Course Average	Standard Deviation	Min	Max
Course & Instructor Characteristics	4.68	+/-0.60	2.00	5.00

# **Course Characteristics Averages**



# **Course Characteristics Average Statistics**

Competency	Course Average	Standard Deviation	Min	Мах
Course Characteristics	4.42	+/-0.75	2.00	5.00

## **Instructor Characteristics Averages**



# **Instructor Characteristics Average Statistics**

Competency	Course Average	Standard Deviation	Min	Мах
Instructor Characteristics	4.78	+/-0.49	2.00	5.00

# **Overall Course Assessment Averages**



# **Overall Course Assessment Average Statistics**

Competency	Course Average	Standard Deviation	Min	Мах
Overall Course & Instructor Assessment	4.69	+/-0.49	3.00	5.00

# **Teaching Award Recommendation Averages**



# **Teaching Award Recommendation Average Statistics**

Competency	Course Average	Standard Deviation	Min	Мах
The instructor was one of the best I have had at Carolina, fully deserving of a teaching award.	4.38	+/-0.72	3.00	5.00

# Feedback to Students Averages

Feedback to Students	
	Division (4.10)
	Department (3.89)
	Subject (3.89)
	Evaluation Instrument (3.89)
	Course (4.56)
	0.00 1.00 2.00 3.00 4.00 5.00

# Feedback to Students Average Statistics

Competency	Course Average	Standard Deviation	Min	Max
Feedback to Students	4.56	+/-0.66	2.00	5.00

# **Department Specific Questions**



## **Department Specific Questions Average Statistics**

Competency	Course Average	Standard Deviation	Min	Мах
Department Specific Questions	4.00	+/-1.41	2.00	5.00

# **Free Response Questions**

#### Comments on overall assessment of this course.

#### Comments

textbook wasnt necessary since it was included with the online subscription

I learned a lot in this class and Caroline was a great TA who never got frustrated with questions in class and was always willing to help before and after class and in office hours. I was probably one of the more annoying students she had to deal with since I was always in office hours and always scrambling to finish the homework, but she was understanding and willing to help me with problems.

The only thing is that I think the material in the course is actually incredibly interesting. I mean, the amount of things you can calculate with integrals is unreal. I think more application problems and more of an attempt to convey how cool this stuff is would have made the class more engaging.

I love how Professor Yang used the doc cam to take us through the steps and reasoning step by step! She was wellorganized, encouraging, and supportive. In the future, I would suggest adding more student problem solving to class time, e.g. have them break up into groups and use blackboards.

I learned so much retaking this course with Caroline Yang because she was extremely clear in her instruction and she offered countless ways to do practice and improve our understanding of the material.

The course itself was quite good, challenging me to think deeply about the material and then put it into practice on assignments. My only critique was that problems asked in assignments would occasionally not match up conceptually with ideas discussed in class; it would have been nice to cover those. Otherwise, I really enjoyed the course. Prof. Yang really seemed to care about our learning, which was refreshing, and she was always helpful and able to answer questions in a direct and easy-to-understand way. She was a great professor and she deserves consideration for any formal recognition available.

Very good teacher.

This course was exciting intellectually, with assignments that helped me understand the material and did not waste my time.

Calc 3 is a hard class, but this was one of the best math classes I've ever taken. We were taught the material in a very straight forward and understandable way. There was a lot of content to this course but it was delivered in a manageable and relatively stress free way. We would take notes and learn new things in class, do examples in class on what we learned, and then do homework that was very similar to the examples we did in class. Then we would be tested with similar examples once more. That seemed like the most logical and headache free way to teach a math class like this. Overall this was a great course and I think this is the way all math classes should be taught in college.

I enjoyed and benefitted from the structure of the course. I wish there would have been more examples in class that resembled the homework questions because they were challenging.

Webassign sucks

The webassign problems were sometimes harder than necessary, especially when still trying to understand concepts

Loved Professor Yang's enthusiasm for the subject was super helpful because she taught the material effectively and efficiently. I felt that we didn't spend too much time on anything and didn't waste time going over details that weren't applicable.

Overall I enjoyed the class and learned a lot. I have no complaints about how it was taught.

I enjoyed this class and really liked Caroline's teaching. I think it would have been really helpful if Caroline had some kind of tool (maybe clay or something?) that would allow us to visualize surfaces better. This is the most work that I've done in a class, and while I can see that this helped me be successful in the course, I at times felt it was too much work. The Webassigns are quite long and some problems are really tedious and felt like busy work. For something that

#### Comments

only makes up 10% of the grade, it seemed to be excessive. There were also a lot of quizzes and tests in this course, and though they helped me stay on top of the material, they were exhausting and also felt a little excessive. I believe I could have done just us well in this class with maybe one less test or one less quiz, or both. I would also recommend the extra credit to be something that involved the material we learned. Some people were more successful with extra credit because they had just taken Calc2 and were familiar with things such as integration by parts, some people hadn't taken calc in a while and probably struggled with this. In that sense, I don't know if it was completely fair to all students.

I learned a lot and enjoyed the course but I think if class was switched around a little bit more so that some days were more interactive/group work based, I would have been more attentive. It was easy to drift off because every class was taught the same way.

From the first course evaluation to this one, there have been many improvements made. What was especially good was the increase in difficulty of in class problems which helped when working on the WebAssigns.

This was by far the best experience I have had in a math course at UNC. Professor Yang did a great job of addressing questions, and student concerns about the material. I really appreciated how she offered up her time to really make sure we knew what to expect for quizzes and exams. I'm not the biggest math person, but this course was great for me.

#### Comments on overall assessment of this Instructor.

#### Comments

very good teacher, always will to help us out

Caroline Yang was a very helpful and effective instructor. Her lessons were all very clear, so she was able to make complicated material more understandable. The resources that she provided to prepare for tests were also very helpful. Overall, I enjoyed the class and the material we covered because Caroline Yang was an exceptional instructor.

SHE WAS AWESOME. No complaints at all. Great TA.

#### Fantastic!

One of the best instructors that I have had in my two years here! She was always so clear in her teaching and always willing to take the time to explain or answer any question. Her teaching was very effective and I learned so much this semester.

[See last comments]

This was a wonderful semester for me in this course, and Caroline Yang is to thank for that. She was one of the best teachers that lve had in UNC and I would highly recommend her to anyone who asked. She deserves an award for how she taught this class because I can truly say that she was fair, a great lecturer, and someone who I felt truly cared about me in the entirety of the semester. I am thankful I was placed in this calculus class because I believe that she is the reason that I enjoy math, and have learned as much as I have this semester. She is an incredible teacher, and I would recommend her for anything.

Ms. Yang was one of the best teachers I have had at UNC. She explained complicated course material in an effective and approachable manner. It is rare that a professor can explain a difficult subject in such an articulate way. I applaud Ms. Yang and I think that my experience in Calculus 3 would be very different without her guidance.

Incredible teacher. I am still not sure if she's a full professor or a grad student because she teaches so well it feels like she's been doing it for a very long time. Extremely straight forward when it comes to teaching us what we will need to know for exams, and math courses in the future. Her pacing was excellent the whole year, and I never felt like I was bored or rushed in class. She made calc 3 seem easy, which is no simple task. Very professional and articulate in class, also was interesting and charming at times. I have zero complaints with Caroline Yang, she is the best math teacher I've ever had. Extremely impressed.

Professor Yang was a very effective and engaging instructor. She always asked for volunteers during class to give the answers, in order to engage us more with the material. She was very organized with the way she taught the material as well.

Notes are amazing

Caroline is one of the best teachers I've had in the math department. She explains everything thoroughly and ensures that everyone understands before moving on to the next topic. I also find the fact that we go over what happened last time before each class really helpful.

Effective teacher and very understanding. Spends time to make sure students understand the material conceptually fully before diving into examples.

#### Comments

Super helpful and patient and a great teacher! <3 <3 <3

She was an excellent teacher and was very respectful and engaged. She was careful to explain how she got to each answer and did not leave out steps.

Caroline was great, her teaching worked really well with my learning style. She was very organized and clear, and I felt very fair on her tests and grading. The only thing I wish she would have done is have some kind of tool that would allow us to better visualize 3D surfaces.

She was very helpful and always kind whenever I asked her for help. She was always prepared for class and graded things very timely. Only thing I would say is to switch up teaching styles throughout the course.

Caroline Yang did an awesome job breaking things down and helping students remember things from past calc classes. It was great to have a reminder rather than looking through tons of past notes or googling things trying to figure out past things I had forgotten. All in all a great course, hard but good.

I like that you had more office hours before tests, this really helped clarify any last minute questions that I had.

Great teacher! Quizzes/tests were fair. Study guides were extremely helpful!

Professor Yang was great about making sure her students understood the material. She would offer up extra office hours just to make sure that we felt okay before tests, and really made me feel comfortable learning.

Caroline Yang was an absolutely phenomenal professor. She was engaging and had a light humor. I enjoyed coming to class and looked forward to her lessons every time. Very neat handwriting and great note style for class. She was also great at effectively answering and was not afraid to tell a student that she didn't understand what it was that they were asking. She is wonderful.

### If you would recommend this Instructor for a teaching award, please briefly explain why.

#### Comments

She was very good at explaining all the material. I left each class with no questions and never felt confused because she is such a great teacher

She was clearly willing to put in extra time and work to ensure that her students understood the material, and she was willing to offer extra help when needed. Her teaching strategies were highly effective, and she made a potentially dull subject feel enjoyable.

She was incredibly helpful, respectful, and prepared. She always had her notes organized and ready before class and structured them in a way that made sense to the students. She was ready to answer questions and encouraged us to ask questions, and was just really nice.

Clear, logical, helpful, supportive, and responsive. There se are some of the words that come to mind when I think of Professor Yang's instruction and ethic. Multivariable Calculus has been a pleasure to learn, thanks to her effort and support.

I failed this class last year and expected it to be a struggle to retake and that I would barely earn a passing grade. However, Caroline Yang made the material so easy to understand and there was not a single point in the semester where I felt lost like I did last year. She was always available to help me, but I rarely had to ask for it due to how effective her teaching was.

Prof. Yang put her students first and made calculus easy because she succeeded in understanding material from the students' perspective. She was an awesome professor and deserves any recognition available to her.

As I said previously, she was an incredible teacher, and I have never seen anyone more deserving of this award at UNC in a class that I have taken. She was engaging, caring, fair, and treated each of us with respect. She deserves any award that she could be possibly nominated for, and I would recommend her to anyone, or anything.

Ms. Yang is an extremely articulate and effective teacher that broke down a complicated subject to an understandable level for everyone in the class. She made herself available as much as possible and was extremely helpful when people had questions. Her examples helped me understand the material better, and I think that my experience in Calculus 3 would have been very different without Ms. Yang's incredible teaching.

Same reasons I gave in the last text box.

She cares for the well-being and level of understanding for each student. Her teaching methods were very effective and she explained everything very well.

She puts in a lot of effort into the class Term: Spring 2017 Course: MATH 233-002

#### Comments

Thorough and clear explanations, doesn't speed through the material and takes the time to answer questions, reasonable with grading and partial credit, available outside of class if needed, overall a nice person

Understanding, respectful, fair, and effective. Best STEM professor I've had at Carolina, alongside Kris Jordan

Very committed to her students. Posts review problems before each midterm and provides an answer key that she makes herself. Offers extra office hours before midterms. Also handwrites lecture notes and posts them on sakai to help us review.

She was definitely the best math instructor I have ever had and I really felt like I could follow the logic behind each step she made instead of just learning how to solve the problems algorithmicly.

The pacing of the course was great and her explanations of the material were easy enough to understand the complicated topics.

She does a really good job teaching, not only does she show excitement when teaching but is easy to approach. She works with all of her students and can break things down in many different ways for students to understand. With all of the math courses I have taken Caroline Yang did an amazing job to make sure all of the students learned all the material. Plus above all did not rush through the subject so quickly that people were lost and could not understand where they were at and what to do next. Again with all the Math courses I have taken this is a rare quality I have seen among math teachers.

She was extremely clear when it came to explaining concepts and I loved the structure of the class. Math is so much more clear and fun when a concept is explained and then there's an example to see how the concept is applied.

She was great with making sure every student had the help they needed to be successful in Calc 3.

She made a notoriously difficult subject in Calculus III much easier to understand. This was important to me as I placed out of Calc I and II and waited 2 years to take this course. She made the transition much easier than I ever would have expected. Even friends of mine who have taken her in the past recommend taking her course as compared to other professors. I will be doing the same for anyone interested in taking Calculus III. Also, she surprisingly made the subject material fun and renewed my interest in Calculus.

# **Comparisons: Course Characteristics**

#### The course challenged me to think deeply about the subject matter.

#### **Overall**



# The course material (e.g., coursepack, website, texts) helped me better understand the subject matter.

### Overall



## The course assignments helped me better understand the subject matter.

#### **Overall**



# This course was very exciting to me intellectually.

#### **Overall**

#### ▲ Min ♦ Max ⊣ StandardDev



# Rate the grading standards of this course compared with others you have taken at UNC.

#### **Overall** Max H StandardDev Scale: Strongly Disagree, Disagree, Neither Disagree/Agree, Agree, Strongly Agree, Not Applicable Division (Natural Sciences and Mathematics) 3.38 ▲ Department (MATH) 3.58 Subject (MATH) 3.58 1 Evaluation Instrument (MATH) 3.58 Course (MATH 233-002) 3.33 ▲ 0.00 1.00 2.00 3.00 4.00

# Rate the workload required in this course compared with others you have taken at UNC.



# **Comparisons: Instructor Characteristics**

# The instructor clearly communicated what was expected of me in this class.

### **Overall**



5.00

# I was able to get individual help when I needed it.



## The instructor evaluated my work fairly.



# The instructor showed concern about whether students learned the material.



# The instructor expressed ideas clearly.



# The instructor showed enthusiasm for the subject matter.



# The instructor showed enthusiasm for teaching the class.



# The instructor treated all students with respect.



# The instructional techniques engaged me with the subject matter.



# The instructor provided me with helpful feedback on my performance.



# **Comparisons: Overall Course Assessment**

## Overall, this course was excellent.



## Overall, I learned a great deal from this course.

### Overall

#### ▲ Min ♦ Max ⊣ StandardDev



# **Comparisons: Overall Instructor Assessment**

### Overall, this instructor was an effective teacher.

#### **Overall**



# The instructor held class meetings consistent with the official schedule published for this course.



# **Comparisons: Teaching Award Recommendation**

# The instructor was one of the best I have had at Carolina, fully deserving of a teaching award.



# **Comparison: Feedback to Students**

# The instructor handled questions well.



# The instructor used examples that had relevance for me.

#### **Overall**



## The instructor used class time well.

#### **Overall**

△ Min ◇ Max ⊣ StandardDev



# The instructor encouraged students to participate in this class.



# This course was designed to keep me engaged in learning.



# The workload was appropriate for what I gained from this class.



# **Question Response Breakdowns**

# The course challenged me to think deeply about the subject matter.



Options	Score	Count	Percentage	Statistics
Strongly Disagree	1	0	0.00%	Mean
Disagree	2	1	2.78%	Median
Neither Disagree/Agree	3	0	0.00%	Semi-Interquartile Range
Agree	4	11	30.56%	50th Percentile
Strongly Agree	5	24	66.67%	Standard Deviation
Not Applicable	NRP	0	0.00%	Population Standard Deviation
				Standard Error (base on SD)
				Standard Error (base on PSD)

# The course material (e.g., coursepack, website, texts) helped me better understand the subject matter.



Options	Score	Count	Percentage	Statistics
Strongly Disagree	1	0	0.00%	Mean
Disagree	2	0	0.00%	Median
Neither Disagree/Agree	3	2	5.56%	Semi-Interquarti
Agree	4	14	38.89%	50th Percentile
Strongly Agree	5	20	55.56%	Standard Deviat
Not Applicable	NRP	0	0.00%	Population Stan
1				

Statistics	Value
Mean	4.50
Median	5.00
Semi-Interquartile Range	0.50
50th Percentile	5.00
Standard Deviation	0.61
Population Standard Deviation	0.60
Standard Error (base on SD)	0.10
Standard Error (base on PSD)	0.10

Value 4.61 5.00 0.50 5.00 0.64 0.64 0.11

# The course assignments helped me better understand the subject matter.



Options	Score	Count	Percentage	Statistics
Strongly Disagree	1	0	0.00%	Mean
Disagree	2	1	2.86%	Median
Neither Disagree/Agree	3	2	5.71%	Semi-Interquartile
Agree	4	10	28.57%	50th Percentile
Strongly Agree	5	22	62.86%	Standard Deviation
Not Applicable	NRP	0	0.00%	Population Standa
				Standard Error (h

Statistics	Value
Mean	4.51
Median	5.00
Semi-Interquartile Range	0.50
50th Percentile	5.00
Standard Deviation	0.74
Population Standard Deviation	0.73
Standard Error (base on SD)	0.13
Standard Error (base on PSD)	0.12

# This course was very exciting to me intellectually.



Options	Score	Count	Percentage	Statistics	Valu
Strongly Disagree	1	0	0.00%	Mean	4.0
Disagree	2	3	8.57%	Median	4.0
Neither Disagree/Agree	3	3	8.57%	Semi-Interquartile Range	0.5
Agree	4	18	51.43%	50th Percentile	4.0
Strongly Agree	5	11	31.43%	Standard Deviation	0.8
Not Applicable	NRP	0	0.00%	Population Standard Deviation	0.8
				Standard Error (base on SD)	0.1
				Standard Error (base on PSD)	0.1

# Rate the grading standards of this course compared with others you have taken at UNC.



# Rate the workload required in this course compared with others you have taken at UNC.



## The instructor clearly communicated what was expected of me in this class.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neither Disagree/Agree	3	0	0.00%
Agree	4	3	8.11%
Strongly Agree	5	34	91.89%
Not Applicable	NRP	0	0.00%

Statistics	Value
Mean	4.92
Median	5.00
Semi-Interquartile Range	0.00
50th Percentile	5.00
Standard Deviation	0.28
Population Standard Deviation	0.27
Standard Error (base on SD)	0.05
Standard Error (base on PSD)	0.04

## I was able to get individual help when I needed it.

3

4

5

NRP

0

6

30

1



0.00%

16.22%

81.08%

2.70%

Semi-Interquartile Range

Population Standard Deviation

Standard Error (base on SD)

Standard Error (base on PSD)

50th Percentile

Standard Deviation

Term: Spring	2017	Course:	MATH	233-002

Neither Disagree/Agree

Agree

Strongly Agree

Not Applicable

0.00

5.00

0.38

0.37

0.06

0.06

# The instructor evaluated my work fairly.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neither Disagree/Agree	3	0	0.00%
Agree	4	4	10.81%
Strongly Agree	5	33	89.19%
Not Applicable	NRP	0	0.00%

Statistics	Value
Mean	4.89
Median	5.00
Semi-Interquartile Range	0.00
50th Percentile	5.00
Standard Deviation	0.31
Population Standard Deviation	0.31
Standard Error (base on SD)	0.05
Standard Error (base on PSD)	0.05

# The instructor showed concern about whether students learned the material.



Options	Score	Count	Percentage	Statistics	Value
Strongly Disagree	1	0	0.00%	Mean	4.81
Disagree	2	0	0.00%	Median	5.00
Neither Disagree/Agree	3	0	0.00%	Semi-Interquartile Range	0.00
Agree	4	7	18.92%	50th Percentile	5.00
Strongly Agree	5	30	81.08%	Standard Deviation	0.40
Not Applicable	NRP	0	0.00%	Population Standard Deviation	0.39
				Standard Error (base on SD)	0.07
				Standard Error (base on PSD)	0.06

# The instructor expressed ideas clearly.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neither Disagree/Agree	3	0	0.00%
Agree	4	4	10.81%
Strongly Agree	5	33	89.19%
Not Applicable	NRP	0	0.00%

Statistics	Value
Mean	4.89
Median	5.00
Semi-Interquartile Range	0.00
50th Percentile	5.00
Standard Deviation	0.31
Population Standard Deviation	0.31
Standard Error (base on SD)	0.05
Standard Error (base on PSD)	0.05

# The instructor showed enthusiasm for the subject matter.



Options	Score	Count	Percentage	Statistics	Valu
Strongly Disagree	1	0	0.00%	Mean	4.7
Disagree	2	0	0.00%	Median	5.0
Neither Disagree/Agree	3	0	0.00%	Semi-Interquartile Range	0.0
Agree	4	8	21.62%	50th Percentile	5.0
Strongly Agree	5	29	78.38%	Standard Deviation	0.4
Not Applicable	NRP	0	0.00%	Population Standard Deviation	0.4
				Standard Error (base on SD)	0.0
				Standard Error (base on PSD)	0.0

# The instructor showed enthusiasm for teaching the class.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neither Disagree/Agree	3	0	0.00%
Agree	4	10	27.03%
Strongly Agree	5	27	72.97%
Not Applicable	NRP	0	0.00%

Statistics	Value
Mean	4.73
Median	5.00
Semi-Interquartile Range	0.50
50th Percentile	5.00
Standard Deviation	0.45
Population Standard Deviation	0.44
Standard Error (base on SD)	0.07
Standard Error (base on PSD)	0.07

# The instructor treated all students with respect.



Options	Score	Count	Percentage	Statistics	Val
Strongly Disagree	1	0	0.00%	Mean	4.
Disagree	2	0	0.00%	Median	5.
Neither Disagree/Agree	3	0	0.00%	Semi-Interquartile Range	0.
Agree	4	3	8.11%	50th Percentile	5.
Strongly Agree	5	34	91.89%	Standard Deviation	0.
Not Applicable	NRP	0	0.00%	Population Standard Deviation	0.
				Standard Error (base on SD)	0.
				Standard Error (base on PSD)	0.

# The instructional techniques engaged me with the subject matter.



Options	Score	Count	Percentage	S
Strongly Disagree	1	0	0.00%	N
Disagree	2	2	5.41%	N
Neither Disagree/Agree	3	3	8.11%	S
Agree	4	8	21.62%	5
Strongly Agree	5	24	64.86%	S
Not Applicable	NRP	0	0.00%	Ρ

Statistics	Value
Mean	4.46
Median	5.00
Semi-Interquartile Range	0.50
50th Percentile	5.00
Standard Deviation	0.87
Population Standard Deviation	0.86
Standard Error (base on SD)	0.14
Standard Error (base on PSD)	0.14

# The instructor provided me with helpful feedback on my performance.



Options	Score	Count	Percentage	Statistics	V
Strongly Disagree	1	0	0.00%	Mean	2
Disagree	2	0	0.00%	Median	5
Neither Disagree/Agree	3	4	10.81%	Semi-Interquartile Range	C
Agree	4	9	24.32%	50th Percentile	5
Strongly Agree	5	24	64.86%	Standard Deviation	C
Not Applicable	NRP	0	0.00%	Population Standard Deviation	C
				Standard Error (base on SD)	C
				Standard Error (base on PSD)	(

# Overall, this course was excellent.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neither Disagree/Agree	3	2	5.41%
Agree	4	16	43.24%
Strongly Agree	5	19	51.35%
Not Applicable	NRP	0	0.00%

Statistics	Value
Mean	4.46
Median	5.00
Semi-Interquartile Range	0.50
50th Percentile	5.00
Standard Deviation	0.61
Population Standard Deviation	0.60
Standard Error (base on SD)	0.10
Standard Error (base on PSD)	0.10

# Overall, I learned a great deal from this course.



				_	
Options	Score	Count	Percentage		Statistics
Strongly Disagree	1	0	0.00%		Mean
Disagree	2	0	0.00%		Median
Neither Disagree/Agree	3	0	0.00%		Semi-Interquartile Range
Agree	4	16	44.44%		50th Percentile
Strongly Agree	5	20	55.56%		Standard Deviation
Not Applicable	NRP	0	0.00%		Population Standard Deviation
					Standard Error (base on SD)
					Standard Error (base on PSD)

# Please estimate the average number of hours per week that you spent outside of class on work related to this course.



Options	Score	Count	Percentage
0	0	0	0.00%
1-3	1	4	10.81%
4-6	2	13	35.14%
7-9	3	17	45.95%
10-12	4	3	8.11%
more than 12	5	0	0.00%

Statistics	Value
Mean	2.51
Median	3.00
Semi-Interquartile Range	0.50
50th Percentile	3.00
Standard Deviation	0.80
Population Standard Deviation	0.79
Standard Error (base on SD)	0.13
Standard Error (base on PSD)	0.13

## Overall, this instructor was an effective teacher.



Standard Error (base on PSD)

Options	Score	Count	Percentage	Statistics
Strongly Disagree	1	0	0.00%	Mean
Disagree	2	0	0.00%	Median
Neither Disagree/Agree	3	0	0.00%	Semi-Interquartile Range
Agree	4	5	13.51%	50th Percentile
Strongly Agree	5	32	86.49%	Standard Deviation
Not Applicable	NRP	0	0.00%	Population Standard Deviation
				Standard Error (base on SD)

Value 4.86 5.00 0.00 5.00 0.35 0.34 0.06

0.06

# The instructor held class meetings consistent with the official schedule published for this course.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neither Disagree/Agree	3	0	0.00%
Agree	4	4	10.81%
Strongly Agree	5	33	89.19%
Not Applicable	NRP	0	0.00%

Statistics	Value
Mean	4.89
Median	5.00
Semi-Interquartile Range	0.00
50th Percentile	5.00
Standard Deviation	0.31
Population Standard Deviation	0.31
Standard Error (base on SD)	0.05
Standard Error (base on PSD)	0.05

## About how many times this semester have you met with the instructor outside of class?



100%

Options	Score	Count	Percentage	Statistics	Valu
0	0	14	37.84%	Mean	1.0
1-3	1	13	35.14%	Median	1.0
4-6	2	8	21.62%	Semi-Interquartile Range	1.0
7-9	3	0	0.00%	50th Percentile	1.0
10-12	4	2	5.41%	Standard Deviation	1.0
more than 12	5	0	0.00%	Population Standard Deviation	1.0
				Standard Error (base on SD)	0.1
				Standard Error (base on PSD)	0.1

# The instructor was one of the best I have had at Carolina, fully deserving of a teaching award.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neither Disagree/Agree	3	5	13.51%
Agree	4	13	35.14%
Strongly Agree	5	19	51.35%
Not Applicable	NRP	0	0.00%

Statistics	Value
Mean	4.38
Median	5.00
Semi-Interquartile Range	0.50
50th Percentile	5.00
Standard Deviation	0.72
Population Standard Deviation	0.71
Standard Error (base on SD)	0.12
Standard Error (base on PSD)	0.12

# The instructor handled questions well.



Options	Score	Count	Percentage	Statistics
Strongly Disagree	1	0	0.00%	Mean
Disagree	2	0	0.00%	Median
Neither Disagree or	3	0	0.00%	Semi-Interquartile Range
Agree				50th Percentile
Agree	4	4	10.81%	Standard Deviation
Strongly Agree	5	33	89.19%	Population Standard Deviation
Not Applicable	NRP	0	0.00%	Standard Error (base on SD)
				Standard Error (base on PSD)

Value 4.89 5.00 5.00 0.31 0.31 0.05

# The instructor used examples that had relevance for me.



Options	Score	Count	Percentage
Strongly Disagree	1	0	0.00%
Disagree	2	0	0.00%
Neither Disagree or Agree	3	4	10.81%
Agree	4	10	27.03%
Strongly Agree	5	23	62.16%
Not Applicable	NRP	0	0.00%

Statistics	Value
Mean	4.51
Median	5.00
Semi-Interquartile Range	0.50
50th Percentile	5.00
Standard Deviation	0.69
Population Standard Deviation	0.68
Standard Error (base on SD)	0.11
Standard Error (base on PSD)	0.11

# The instructor used class time well.



Options	Score	Count	Percentage	Statistics	Value
Strongly Disagree	1	0	0.00%	Mean	4.73
Disagree	2	0	0.00%	Median	5.00
Neither Disagree or	3	0	0.00%	Semi-Interquartile Range	0.50
Agree	-	-	0.0070	50th Percentile	5.00
Agree	4	10	27.03%	Standard Deviation	0.45
Strongly Agree	5	27	72.97%	Population Standard Deviation	0.44
Not Applicable	NRP	0	0.00%	Standard Error (base on SD)	0.07
				Standard Error (base on PSD)	0.07

# The instructor encouraged students to participate in this class.



Options	Score	Count	Percentage	Statistics
Strongly Disagree	1	0	0.00%	Mean
Disagree	2	0	0.00%	Median
Neither Disagree or	3	1	2 78%	Semi-Interquartile Range
Agree	Ŭ		2.1070	50th Percentile
Agree	4	12	33.33%	Standard Deviation
Strongly Agree	5	23	63.89%	Population Standard Deviation
Not Applicable	NRP	0	0.00%	Standard Error (base on SD)
				Standard Error (base on PSD)

# This course was designed to keep me engaged in learning.



Options	Score	Count	Percentage	Statistics	Val
Strongly Disagree	1	0	0.00%	Mean	4.
Disagree	2	2	5.41%	Median	4.
Neither Disagree or	3	4	10.81%	Semi-Interquartile Range	0.
Agree			10.0170	50th Percentile	4.
Agree	4	14	37.84%	Standard Deviation	0.0
Strongly Agree	5	17	45.95%	Population Standard Deviation	0.8
Not Applicable	NRP	0	0.00%	Standard Error (base on SD)	0.
				Standard Error (base on PSD)	0.

Value 4.61 5.00 0.50 0.55 0.55 0.54 0.09

# The workload was appropriate for what I gained from this class.



Options	Score	Count	Percentage	Statist
Strongly Disagree	1	0	0.00%	Mean
Disagree	2	1	2.70%	Mediar
Neither Disagree or Agree	3	3	8.11%	Semi-I 50th P
Agree	4	15	40.54%	Standa
Strongly Agree	5	18	48.65%	Popula
Not Applicable	NRP	0	0.00%	Standa

Statistics	Value
Mean	4.35
Median	4.00
Semi-Interquartile Range	0.50
50th Percentile	4.00
Standard Deviation	0.75
Population Standard Deviation	0.74
Standard Error (base on SD)	0.12
Standard Error (base on PSD)	0.12

# What grade do you think you will get in this course?



Options	Score	Count	Percentage
Н	1	0	0.00%
Р	2	0	0.00%
L	3	0	0.00%
A- or A	4	21	58.33%
B or B+	5	9	25.00%
C+ or B-	6	5	13.89%
C- or C	7	1	2.78%
F or D	8	0	0.00%
Pass	9	0	0.00%
Fail	10	0	0.00%

Statistics	Value
Mean	4.61
Median	4.00
Semi-Interquartile Range	0.50
50th Percentile	4.00
Standard Deviation	0.84
Population Standard Deviation	0.83
Standard Error (base on SD)	0.14
Standard Error (base on PSD)	0.14

# Is this a required course for you?

No (8.11%) - Yes (91.89%) - [Total (37)] 0				50%	100%
Options	Score	Count	Percentage	Statistics	Value
No	1	3	8.11%	Mean	1.92
Yes	2	34	91.89%	Median	2.00
				Semi-Interquartile Range	0.00
				50th Percentile	2.00
				Standard Deviation	0.28
				Population Standard Deviation	0.27

Standard Error (base on SD)

Standard Error (base on PSD)

0.05

0.04