

COURSE ASSESSMENT REPORTS - My Specific Faculty Comments

Course: MATH 046 Intro to Applied
Math

Term: 202203 - Spring Term 2022

Instructor: Jan Glaubitz

Question: Comment on 1-3 things that the professor did well and should continue to do in the future:

1	- Explains concepts very clearly - Class was organized well - Engaged students in lecture by asking questions / encouraging questions
2	Great lectures. Small breaks were good.
3	I thought prof Glaubitz was an excellent professor. Very clear and articulate lecturer
4	Professor is accessible and open to questions after class/during office hours Helpful input on homework and concepts beyond the curriculum.
5	The professor had good office hours and lectures
6	They explained the motivation, proofs, applications and guided problems for each topic which was very helpful for understanding some of the central concepts that seemed more abstract
7	Was super friendly and easy to talk to, very knowledgeable about the material and presents it in a way that makes it understandable for everyone, lots of breaks which are essential for a 3B
8	clear and good lectures
9	lectures were well organized and material was clearly explained

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Math

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2022

Instructor: Jan Glaubitz

Question: Comment on 1-3 things that the professor should focus on to improve their classroom effectiveness:

1	Cut down on lecture notes on boards, leave out full sentences, to make more time for more material. Go into greater depth on perturbation, calc of variations and lagrangians (like lagrangian mechanics in physics, least action, etc.) and more on fourier series/transforms. I enjoyed the lecture on the heat equation, and it would be nice to have more applications like that. Also, include sturm-liouville problems if at all possible.
2	NA
3	Nothing I can think of
4	Nothing, classroom effectiveness was great
5	maybe ask more questions to students? Prof did this but doing so more frequently could help students stay engaged especially since class is so long
6	none

Course: MATH 046 Intro to
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202203 - Spring Term
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Question: Add any specific recommendations on how the professor is assessing the course work and giving feedback to students that you believe would be useful:

1	Coursework feedback was great and so was grading
2	Fair assessments. I would personally prefer harder, take-home /open-note exams rather than short timed ones.

3	I think the weighting for grading is too focused on exams. 70% is very high for 2 exams; if you are having a bad day on the day of an exam then that would drop your final grade significantly, even if you know the material well. The difficulty of the exams was appropriate.
4	More details on where we went wrong on the homeworks - e.g point adjustments on gradescope
5	Very fair grading

COURSE ASSESSMENT REPORTS - Non-Faculty Specific Comments

Course: MATH 046 Intro to Applied Math
Term: 202203 - Spring Term 2022
Instructor: Jan Glaubitz

Course Design and Effectiveness

Question Section

Question: Comment on the aspects of the course that you think were most effective:

1	- Lectures matched closely to lecture notes - Weekly psets with 2 midterms was manageable
2	Everything but functional analysis
3	HW review sessions were great
4	I think the group homework assignments helped us understand the course material together and made more sense of what the prof would teach
5	Lectures, the availability of online notes, homework problems
6	Some interesting material was covered, lectures are clear, professor is very nice and accessible.
7	good professor and class structure
8	homeworks reinforced class material, group problem sets were nice (I had a good group, but this could easily be a negative aspect of the course; it really depends on who your groupmates are).

Course: MATH 046 Intro to Applied Math
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Instructor: Jan Glaubitz

Course Design and Effectiveness

Question Section

Question: Comment on 1-3 aspects of the course that could be improved or enhanced:

1	- Psets didn't always reflect what we learned in class / what type of problems would be covered on exams
2	2 hours is a long time for a math lecture (at least for me). I did appreciate the short breaks to clean the blackboard, but after a certain time of doing math my brain gets fuzzy and it's a lot harder to learn
3	Have students fill out an evaluation on their group members for the HW
4	I do not like group problem sets as oftentimes there are a few people in each group that do not contribute, and I think the course would be better without groups. I also think a final group project would be a fun replacement of the final exam.
5	More time on the exams because I feel like we had to write a lot to answer questions and it was hard to go through my work knowing that I had other questions that were just as time consuming left
6	No functional analysis unit and a greater emphasis on Fourier series

7	Too slow pacing, not enough material covered and at too shallow depth. Also, not very many examples/ homework exercises of applications to science/physics.
8	not a lot of it builds on itself, very separate units

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Course Design and Effectiveness

Question Section

Question: How did you contribute to your own learning experience?

1	- Attended class, completed psets, engaged with classmates
2	Almost always attended HW review sessions.
3	I read other lecture notes for certain topics from other universities
4	I studied and did the homework problems
5	I worked with my group to complete and understand the homeworks, I studied for exams
6	Read script and textbook, collaborated with friends on homework.
7	Read the textbook and did the problem sets for my group like 50% of the time
8	study

COURSE ASSESSMENT REPORTS - Student Initiated Comments

Course: MATH 046 Intro to Applied Math
Term: 202203 - Spring Term 2022

Instructor: Jan Glaubitz

Question: Comment on the methods of evaluation chosen by the instructor, e.g. tests, papers and examinations and the workload expected of students:

1	Fair workload. Very manageable.
2	Tests were very very fair!!
3	The test were the same format as the homeworks but more challenging and shorter than what I think they should have been The group homeworks were fine and kind of challenging too especially when doing proofs or there was not a direct connection to what we covered in class Be prepared to solve longer questions, remember your integration (integration by parts especially), taylor series and be interested and participate so that you do not have to pull all-nighters
4	Two tests, a midterm and a final, which are 30% and 40% of the grade respectively. Group problem sets and one homework question presentation
5	Very standard (2 exams, weekly psets, participation grade)
6	Workload was quite fair, and tests were very reasonable in difficulty. However, the grading was weighted 70% exams, which I feel is too high. The students who do best in this class are the ones who are good at taking tests.

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Instructor: Jan Glaubitz

Question: Comment on the structure of the class, for example the mix between lecture and discussion:

1	All lecture, worked well
2	I did not feel the homework discussion to be very helpful to me, since the solutions were available online, but that is my personal view.
3	It was two lectures and a homework discussion each week which was good for getting the knowledge and central concepts then seeing different ways of solving a problem and learning something new
4	Lecture being twice a week for two hours was great, and the homework discussions were nice
5	Mostly lecture
6	Mostly lecture to learn material, which makes sense given the subject. Weekly discussions in which students present solutions to the past week's hw problems. This was a good balance

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Instructor: Jan Glaubitz

Question: How did this course influence your academic experience at Dartmouth?

1	I am interested in going further in applied mathematics for engineering/physics.
2	I took this class for my minor and it was a good way to tick off a requirement
3	I will take more applied math classes
4	It was challenging and fulfilling which makes me feel like it enhanced my academic experience and I appreciate that
5	It was good!
6	Made me more interested in Applied Math and less scared of higher math

Institutional Reporting and Analysis (IRA) Dartmouth College Course Comparison Report

Report ID: CA410 v2.0.0

8/18/2022 12:57:06 PM

This report compares course responses to the department/program, division and college responses.

Term 202203 - Spring Term 2022 Subject MATH-Mathematics Course 046-Intro to Applied Math Section 01 Question I think the overall effectiveness of the teaching was

Course Details

The following report will only include courses that have five or more students enrolled.

Department	Subject	Term	Course	Section	Instructor	Total Enrollment	Completed Course Assessment	Did Not Complete
MATH-Mathematics	MATH-Mathematics	202203 - Spring Term 2022	046-Intro to Applied Math	01	Jan Glaubitz	16	13	3

Results

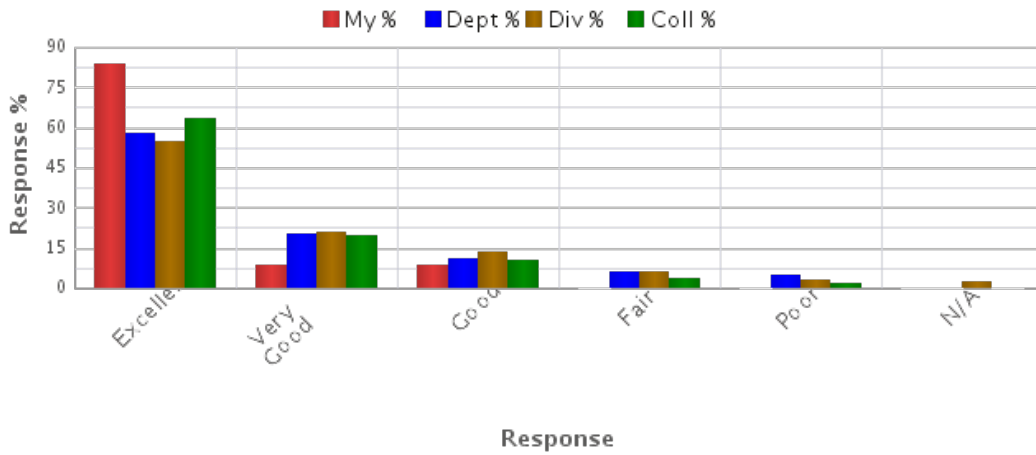
i Your course data is not included in the Department/Program, Division and College %.

Name

Jan Glaubitz

202203 - Spring Term 2022 MATH 046 01 Intro to Applied Math

I think the overall effectiveness of the teaching was



Response	My %	Dept %	Div %	Coll %
Excellent	83.3%	58.0%	54.8%	63.3%
Very Good	8.3%	20.0%	20.8%	19.8%
Good	8.3%	11.1%	13.1%	10.5%
Fair	0.0%	6.1%	6.1%	3.8%
Poor	0.0%	4.8%	3.0%	2.0%
N/A	0.0%	0.0%	2.2%	0.6%

Report ID: CA410 v2.0.0

Institutional Reporting and Analysis (IRA) Dartmouth College Course Comparison Report

8/18/2022 12:57:58 PM

This report compares course responses to the department/program, division and college responses.

Term 202203 - Spring Term 2022 Subject MATH-Mathematics Course 046-Intro to Applied Math Section 01 Question The professor explained central concepts clearly

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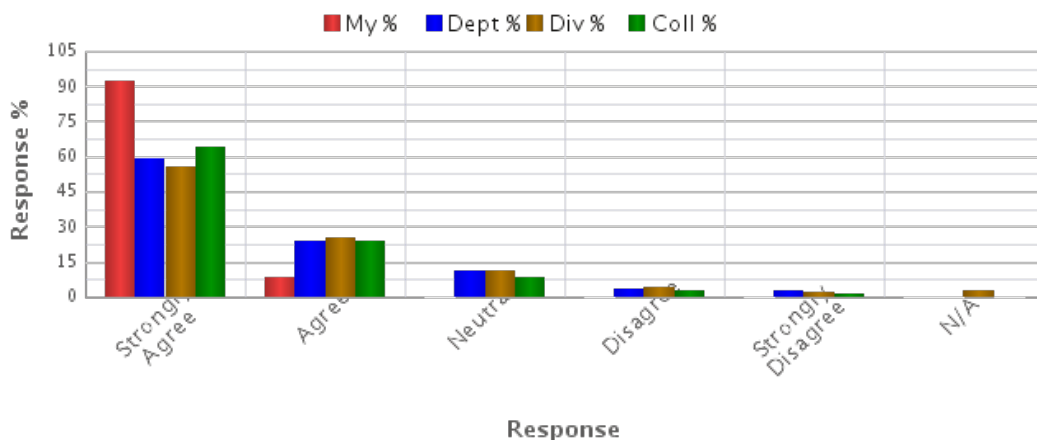
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Name

Jan Glaubitz

202203 - Spring Term 2022 MATH 046 01 Intro to Applied Math

The professor explained central concepts clearly



Response	My %	Dept %	Div %	Coll %
Strongly Agree	91.7%	58.7%	55.3%	63.6%
Agree	8.3%	23.6%	25.4%	23.6%
Neutral	0.0%	11.1%	11.1%	8.3%
Disagree	0.0%	3.7%	3.9%	2.6%
Strongly Disagree	0.0%	2.8%	2.0%	1.4%
N/A	0.0%	0.0%	2.4%	0.6%

Report ID: CA410 v2.0.0

Institutional Reporting and Analysis (IRA) Dartmouth College Course Comparison Report

8/18/2022 12:55:06 PM

This report compares course responses to the department/program, division and college responses.

Term 202203 - Spring Term 2022 Subject MATH-Mathematics Course 046-Intro to Applied Math Section 01 Question I was intellectually engaged in the course.

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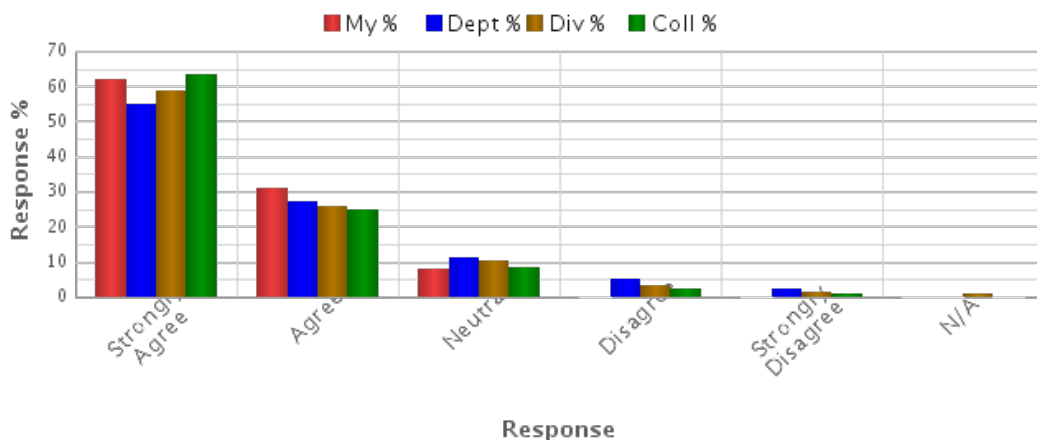
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Name

Jan Glaubitz

202203 - Spring Term 2022 MATH 046 01 Intro to Applied Math

I was intellectually engaged in the course.



Response	My %	Dept %	Div %	Coll %
Strongly Agree	61.5%	54.8%	58.6%	63.1%
Agree	30.8%	27.1%	25.7%	24.7%
Neutral	7.7%	11.1%	10.4%	8.4%
Disagree	0.0%	4.9%	3.2%	2.5%
Strongly Disagree	0.0%	2.1%	1.3%	1.0%
N/A	0.0%	0.0%	0.7%	0.3%

Institutional Reporting and Analysis (IRA) Dartmouth College Course Comparison Report

This report compares course responses to the department/program, division and college responses.

Term 202203 - Spring Term 2022 Subject MATH-Mathematics Course 046-Intro to Applied Math Section 01 Question I learned a lot in the course.

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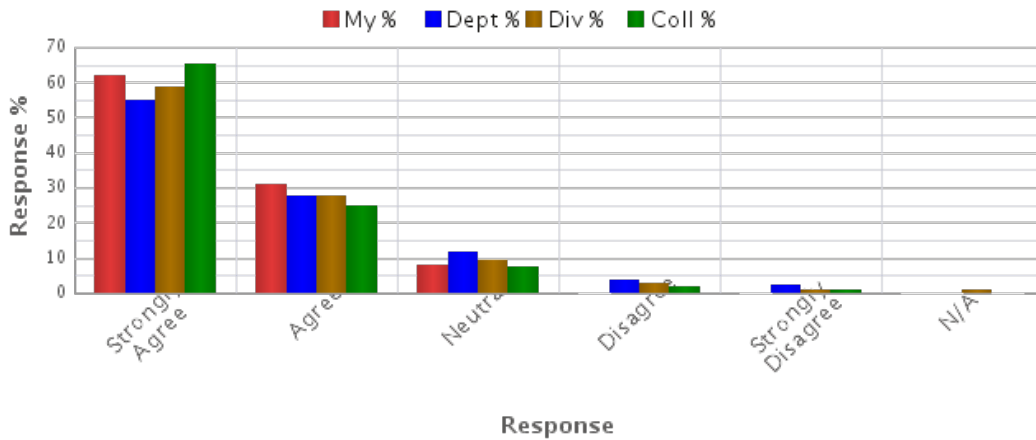
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Name

Jan Glaubitz

202203 - Spring Term 2022 MATH 046 01 Intro to Applied Math
I learned a lot in the course.



Response	My %	Dept %	Div %	Coll %
Strongly Agree	61.5%	54.8%	58.6%	64.8%
Agree	30.8%	27.5%	27.3%	24.6%
Neutral	7.7%	11.5%	9.3%	7.4%
Disagree	0.0%	3.9%	2.9%	1.9%
Strongly Disagree	0.0%	2.3%	1.1%	0.9%
N/A	0.0%	0.0%	0.8%	0.3%

Report ID: CA410 v2.0.0

Institutional Reporting and Analysis (IRA) Dartmouth College Course Comparison Report

8/18/2022 12:56:14 PM

This report compares course responses to the department/program, division and college responses.

Term 202203 - Spring Term 2022 Subject MATH-Mathematics Course 046-Intro to Applied Math Section 01 Question I found the course to be well organized

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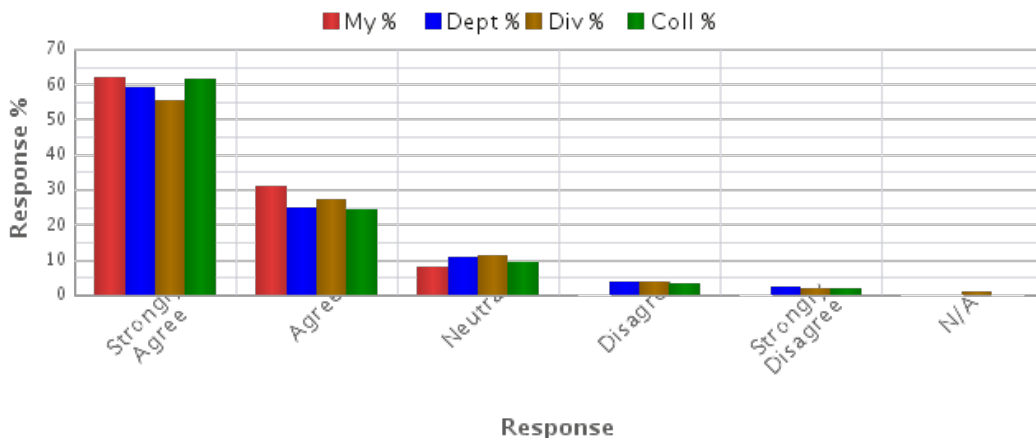
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Name

Jan Glaubitz

202203 - Spring Term 2022 MATH 046 01 Intro to Applied Math

I found the course to be well organized



Response	My %	Dept %	Div %	Coll %
Strongly Agree	61.5%	59.1%	55.0%	61.3%
Agree	30.8%	24.9%	27.0%	24.2%
Neutral	7.7%	10.5%	11.2%	9.1%
Disagree	0.0%	3.5%	3.9%	3.2%
Strongly Disagree	0.0%	2.1%	2.0%	1.9%
N/A	0.0%	0.0%	0.9%	0.3%

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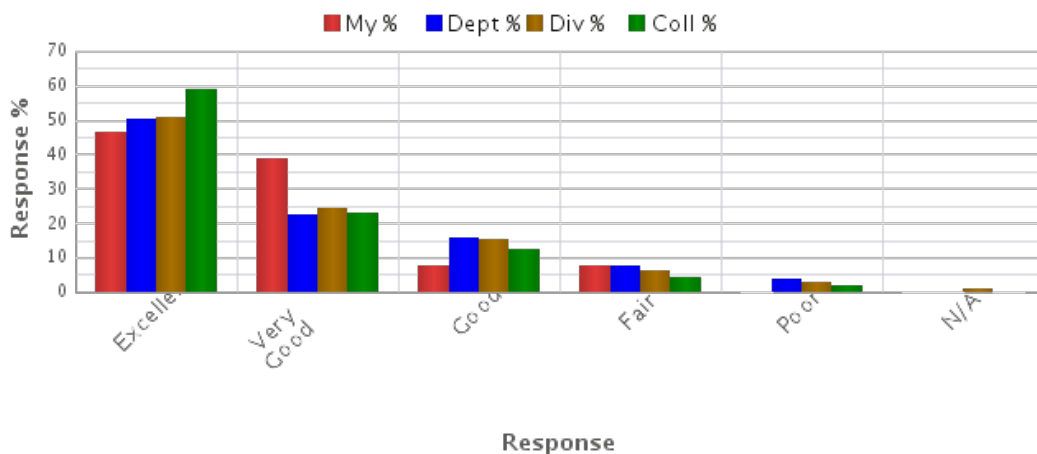
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Name

Jan Glaubitz

202203 - Spring Term 2022 MATH 046 01 Intro to Applied Math

I think the overall quality of the course was



Response	My %	Dept %	Div %	Coll %
Excellent	46.2%	50.3%	50.6%	58.5%
Very Good	38.5%	22.5%	24.4%	23.1%
Good	7.7%	15.9%	15.4%	12.3%
Fair	7.7%	7.4%	6.1%	4.1%
Poor	0.0%	3.8%	2.7%	1.7%
N/A	0.0%	0.2%	0.7%	0.3%

Report ID: CA410 v2.0.0

Institutional Reporting and Analysis (IRA) Dartmouth College Course Comparison Report

8/18/2022 12:58:44 PM

This report compares course responses to the department/program, division and college responses.

Term 202203 - Spring Term 2022 Subject MATH-Mathematics Course 046-Intro to Applied Math Section 01 Question The professor challenged me to think critically about the course material

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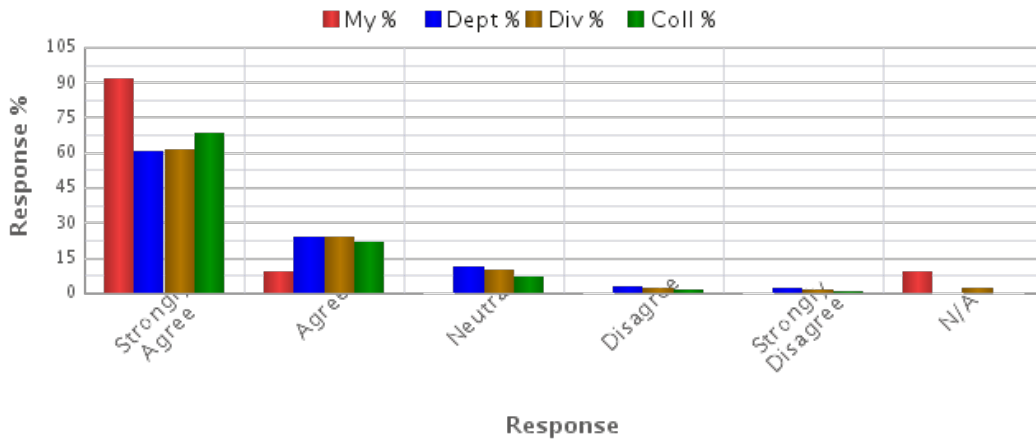
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Name

Jan Glaubitz

202203 - Spring Term 2022 MATH 046 01 Intro to Applied Math
The professor challenged me to think critically about the course material



Response	My %	Dept %	Div %	Coll %
Strongly Agree	90.9%	60.6%	60.8%	68.0%
Agree	9.1%	23.6%	24.0%	22.0%
Neutral	0.0%	10.9%	9.6%	7.1%
Disagree	0.0%	2.6%	2.1%	1.4%
Strongly Disagree	0.0%	2.2%	1.1%	0.9%
N/A	9.1%	0.0%	2.3%	0.6%