Description of Your Report

Your Course Evaluation Report contains up to four sets of items, represented in up to four sections in your report, described below.

> **Sets of Items:**
>
> **Institutional Items**
> These eight items are consistent across the University of Toronto. They are comprised of:
>
> - Five rating-scale items which represent institution-wide teaching and learning priorities.
>   - **The institutional composite mean, a mathematical average of these first five items.**
> - One rating-scale item on the overall quality of a student's learning experience.
> - Two qualitative comment items.
>
> **Divisional Items**
> These items are consistent across your division. They represent division-wide priorities for teaching and learning.
>
> **Departmental/Program/Course-Type Items**
> These items (when applicable) represent further levels of granularity and specificity for teaching and learning priorities within your division (e.g., department, program, course type).
>
> **Instructor-Selected Items**
> These items are optional items which may be selected from the item bank by instructors during the question personalization period.
>
> - **Note that the results from these items are only reported to instructors as they are primarily intended to function as personal formative feedback.**

Report Sections

The following provide different statistical summaries and representations for your institutional, divisional, and departmental/programmatic items (where appropriate).

Section 1: Course Evaluation Overview
Provides all course evaluation data except instructor-selected items.

Section 2: Response Distributions and Additional Statistics
Provides detailed response distributions.

- The number and relative percentage of respondents providing a given answer is provided, along with a graphical representation.
- This section also reports further statistics for each set of items relative to Section 1.

Section 3: Comparative Data
Provides comparative means for your course as compared to the relevant means across *all other evaluated courses at a particular level of comparison (e.g., division, program)* for each set of items.

The following section provides detailed response distributions and statistics for the instructor-selected items (if selected).

Section 4: Instructor-Selected Items
Provides data for optional items that instructors can select from the item bank during the question personalization period. This section is formatted identically to Section 2.

Statistical Terms Used in this Report

Mean: The mathematical average. This measure is the most sensitive, and can be greatly affected by extreme and/or divergent scores.

Median: The middle value when all responses are ordered. This measure is less affected by extreme and/or divergent scores.

Mode: The most frequently occurring score.

Standard deviation: A measure of the "spread" of the data.

Section 1: Course Evaluation Overview

This section provides a basic summary of each set of items.

Mean: The mathematical average. This measure is the most sensitive, and can be greatly affected by extreme and/or divergent scores.

Median: The middle value when all responses are ordered. This measure is less affected by extreme and/or divergent scores.

UTM Winter 2018 UG

Course Name: Linear Algebra I MAT223H5-S-LEC0104	Instructor: Bulent Esentepe
Division: ERIN	Section: LEC0104
Session: S	Report Generation Date: *April 13, 2018*

Session codes: F = First/Fall, S = Second/Winter

Raters	Students
Responded	40
Invited	121

Part A. Core Institutional Items

Scale: 1 - Not At All   2 - Somewhat   3 - Moderately   4 - Mostly   5 - A Great Deal

Question	Summary	
	Mean	Median
I found the course intellectually stimulating.	3.9	4.0
The course provided me with a deeper understanding of the subject matter.	4.1	4.0
The instructor (Bulent Esentepe) created an atmosphere that was conducive to my learning.	4.1	4.0
Course projects, assignments, tests, and/or exams improved my understanding of the course material.	3.9	4.0
Course projects, assignments, tests and/or exams provided opportunity for me to demonstrate an understanding of the course material.	3.9	4.0
Institutional Composite Mean	4.0	-

Scale: 1 - Poor   2 - Fair   3 - Good   4 - Very Good   5 - Excellent

Question	Summary	
	Mean	Median
6. Overall, the quality of my learning experience in this course was….	3.7	4.0

7. Please comment on the overall quality of the instruction in this course.

Comments
Examples helped me understand the concept of linear algebra.
He is a pretty good professor, he gave a lot examples during lectures
Good
I found Professor Ozgur's teaching style great overall as he provides the motivation behind theories and algorithms. He spends a great deal on theory and maybe doing more examples would enhance my understanding of the material. He sometimes goes fast when lecturing and writes a lot on the board
I think the professor was fantastic and really enthusiastic. Made me look forward to coming to the lectures and was really good at engaging the students within the class. Also the fact that he is literally the only person in the school who can properly pronounce my name was a big plus
Teaching skills are attractive
Good analogies and applications, Ozgur made the material easy to understand.
–good lectures, nice pace – maybe choose examples before class, so no ugly number snafus would happen –nice order of teaching, providing the proofs made a lot of sens
solid with real–life applications beyond the scope of the course, could improve lecture with accessibility–friendly notation with notes (color, symbolic notation) and more opportunities for trialing practice problems in class as well as specific problems for test/exam prep.
It was a good course. I did not find it very hard. I had only one problem which was in test 2 where version B had a slightly harder solution than version A. I did not think that was fair. I believe that the two version should be the same difficulty and have the same amount of steps in the solutions so it is fair for all students. The prof Ozgur was a good professor, however I felt like he did skip a little topics when we did vectors. I had to learn the concepts from my TA or on my own. Ozgur also seemed a bit intimidating sometimes when I asked questions or when others asked him questions.
Really great prof, some lectures are taught really quickly and we fly through material but in general, lectures are great and is taught well in my opinion
Very well. He teaches us with logic ways and it is easy for me to understand the material in textbook.
Lectures with Ozgur were very good, he's a great prof
MAT223 was a good course, but I would add one more quiz to the syllabus as 15% is a lot for each quiz. If you do not do well in one, then you will reduce your grade quite significantly. So 1 more quiz will be helpful.
Ozgur was an outstanding lecturer. His lectures were extremely easy to follow and well laid out. His style of presenting the course content is a talent that few instructors have demonstrated in my short time in undergrad. Every part of his lecture felt like it flowed very well. He would constantly tie what we were learning to real world applications and/or other topics we'd discussed earlier in the course. His enthusiasm for the course content was very apparent as well. Linear Algebra is not something I particularly intend to further explore or apply to my career, but his passion for the topic, and all of mathematics, was contagious. I thought this course would be uninteresting to the point where I wouldn't do well in it, but I was mistaken. I don't know if I'd have done this well in the course had I had another instructor. Aside from the instructor I had, the textbook was a pleasure to work with. I liked how it was formatted so that I could easily find what I was looking for (examples, definitions, etc.). The exercises in the book were easily understood and the answers provided were as concise as they needed to be. The practice problems assigned were also a godsend; I never felt like my time doing them was wasted come problem set/test time.
Professor Ozgur Esentepe is awesome. He teaches concepts clearly and cares for students a lot.
I always got annoyed that every assignment I did resulted in a bad mark but all my tests were good. I was under the impression that the assignments and tests were marked differently, as I applied myself to the questions in the same way on both. Mostly just frustrating when my assignments never got good marks when I actuslly did them (as to be honest, I had planned my time inefficiently some days and only did part of assignments. Thisr low marks I can understand.)
good instruction
The quiz's were marked way too strictly

Comments
He can give the enough examples to make us understand the theory clearly.
I believe that the learning environment was very positive and it helped me understand the material a lot.
The lectures were as organized as they could have been, but the structure of the course material feels odd and was confusing sometimes.
My instructor was very well spoken and broke down concepts decently. It was always confusing at first when he started, but then the picture became clearer towards the end.
good
the quality was alright like at first it is hard to understand but you got to read it over to really understand it.
Professor Ozgur did a very good job of offering the reason why learning this material was really important and gave many in–class examples to make sure we had an absolute understanding of the topic before moving on.

8. Please comment on any assistance that was available to support your learning in this course.

Comments
Ta is Not prepare for the tutorial most time. It's useless to show up.
Tutorials were good places for extra exposure on the material.
Helpful
Helpful in office hours, TAs were knowledgeable and helpful as well.
–lots of ta hours –lots of prof hours
My TA gave us a good lesson review of the topics that were covered during the lectures. I feel like he also gave us good practice examples in the tutorial.
A lot of help is available, profs and pretty much all tas are amazing and explained all concepts/problem sets well
Patient and useful
Support was good
The lectures were great and very well done. It was detailed and filled with examples which help us understand the course better.
My instructor (Ozgur) pushed for us to come to office hours a lot, but I never felt the need.
The few times I had come to office hours were fine. Nothing to criticize here.
TA and office hour
TA's were good
N/A
Tutorials were vital, and my TA Jarvis Kennedy was EXCELLENT at providing supplemental mini–lectures and examples to improve my understanding.
The professor was available via email, and the professor's lectures were available online for my reference.
good
to me not really my TA didnt really help he just did things as if we all knew what we were doing
The textbook was a great help in this course besides one or two minor typos(the inequality equation mistake).

Part B. Divisional Items

Scale: 1 - Very Light   2 - Light   3 - Average   4 - Heavy   5 - Very Heavy

Question	Summary	
	Mean	**Median**
9. Compared to other courses, the workload for this course was…	3.1	3.0

Scale: 1 - Not At All 2 - Somewhat 3 - Moderately 4 - Mostly 5 - Strongly

Question	Summary	
	Mean	**Median**
10. I would recommend this course to other students.	3.4	3.0

Scale: 1 - Not At All   2 - Somewhat   3 - Moderately   4 - Mostly   5 - A Great Deal

Question	Summary	
	Mean	**Median**
11. The course inspired me to learn more about the subject matter.	3.3	3.5

Part C. Departmental Items - Mathematical and Computational Sciences

Scale: 1 - Not At All   2 - Somewhat   3 - Moderately   4 - Mostly   5 - A Great Deal

Question	Summary	
	Mean	**Median**
12. The course instructor suggested specific ways to help understand course concepts.	3.8	4.0

Scale: 1 - Not At All   2 - Somewhat   3 - Moderately   4 - Mostly   5 - A Great Deal

Question	Summary	
	Mean	**Median**
13. The course instructor used examples when explaining course concepts.	4.3	4.5

Scale: 1 - Not At All   2 - Somewhat   3 - Moderately   4 - Mostly   5 - A Great Deal

Question	Summary	
	Mean	**Median**
14. The support my teaching assistant provided contributed to my learning in the course.	3.9	4.0

Section 2: Response Distributions and Additional Statistics

This section provides detailed response distributions.

Mean: The mathematical average. This measure is the most sensitive, and can be greatly affected by extreme and/or divergent scores.

Median: The middle value when all responses are ordered. This measure is less affected by extreme and/or divergent scores.

Mode: The most frequently occurring score.

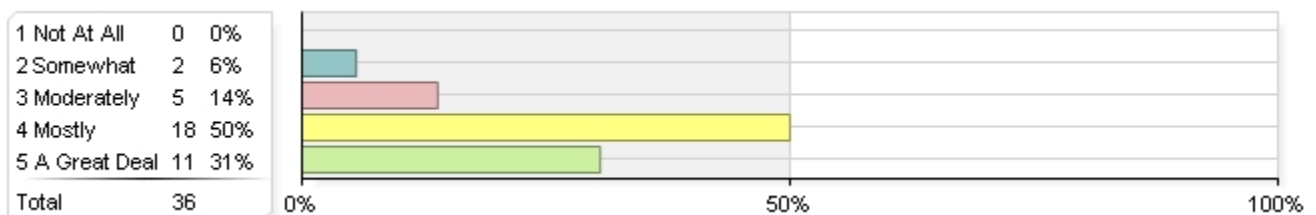**Standard deviation**: A measure of the "spread" of the data.

Part A: Core Institutional Items

1. I found the course intellectually stimulating.

1 Not At All	0	0%
2 Somewhat	2	6%
3 Moderately	7	19%
4 Mostly	19	53%
5 A Great Deal	8	22%
Total	36	
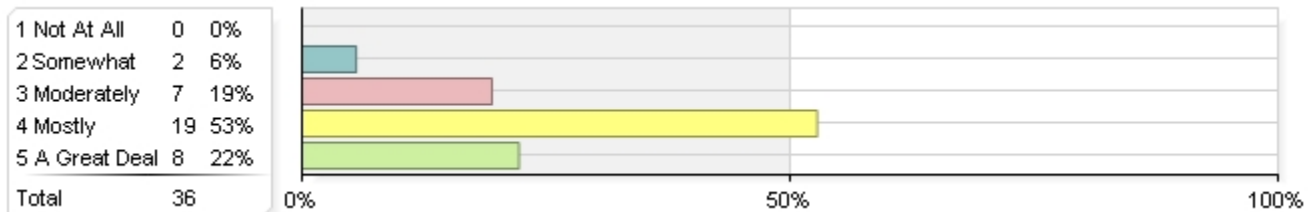
Statistics	Value
Mean	3.9
Median	4.0
Mode	4
Standard Deviation	0.8

### 2. The course provided me with a deeper understanding of the subject matter.

1 Not At All	0	0%
2 Somewhat	2	6%
3 Moderately	5	14%
4 Mostly	18	50%
5 A Great Deal	11	31%
Total	36	

Statistics	Value
Mean	4.1
Median	4.0
Mode	4
Standard Deviation	0.8

3. The instructor (Bulent Esentepe) created a course atmosphere that was conducive to my learning.
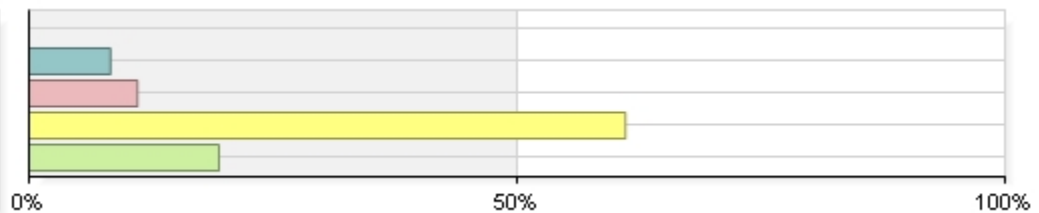
1 Not At All	0	0%
2 Somewhat	2	6%
3 Moderately	6	17%
4 Mostly	14	39%
5 A Great Deal	14	39%
Total	36	
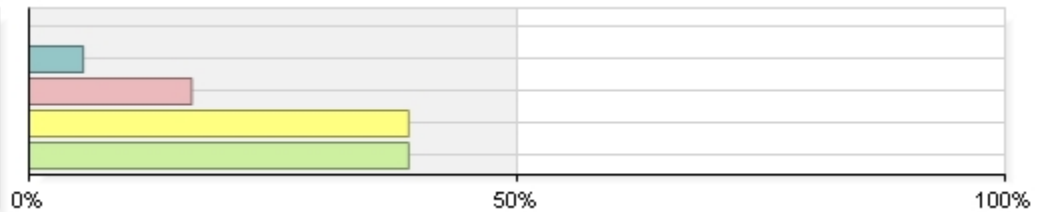
Statistics	Value
Mean	4.1
Median	4.0
Mode	4, 5
Standard Deviation	0.9

## 4. Course projects, assignments, tests and/or exams improved my understanding of the course material.

1 Not At All	0	0%
2 Somewhat	3	8%
3 Moderately	4	11%
4 Mostly	22	61%
5 A Great Deal	7	19%
Total	36	

Statistics	Value
Mean	3.9
Median	4.0
Mode	4
Standard Deviation	0.8

5. Course projects, assignments, tests and/or exams provided opportunity for me to demonstrate an understanding of the course material.
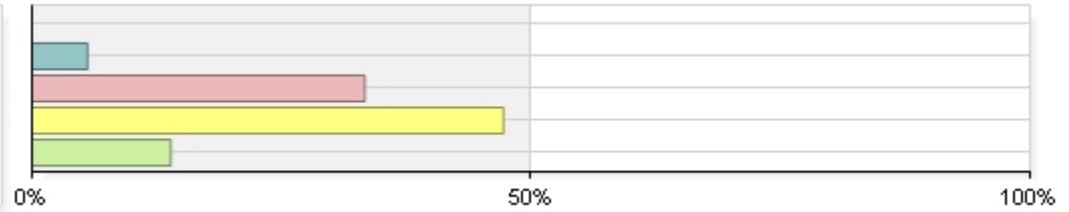
1 Not At All	0	0%
2 Somewhat	6	17%
3 Moderately	3	8%
4 Mostly	15	42%
5 A Great Deal	12	33%
Total	36	
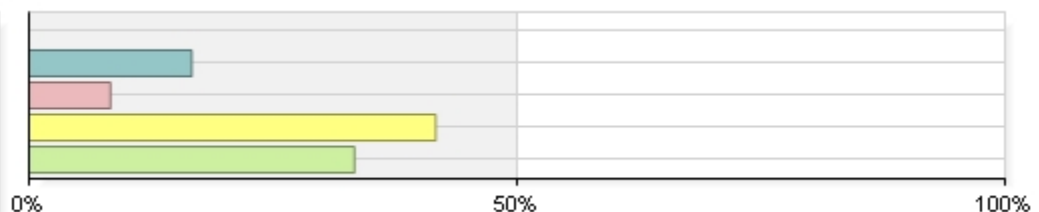
Statistics	Value
Mean	3.9
Median	4.0
Mode	4
Standard Deviation	1.1

6. Overall, the quality of my learning experience in this course was….

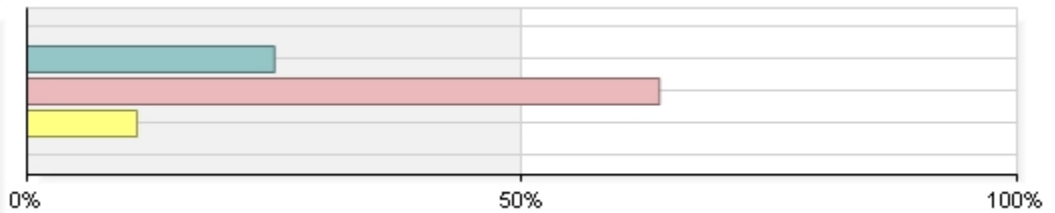|		
1 Poor	0	0%
2 Fair	2	6%
3 Good	12	33%
4 Very Good	17	47%
5 Excellent	5	14%
Total	36	

Statistics	Value
Mean	3.7
Median	4.0
Mode	4
Standard Deviation	0.8

Part B. Divisional Items

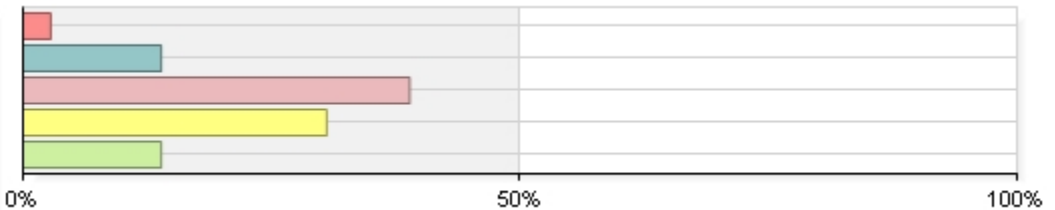## 9. Compared to other courses, the workload for this course was...

5 Very Heavy	0	0%
4 Heavy	9	25%
3 Average	23	64%
2 Light	4	11%
1 Very Light	0	0%
Total	36	

Statistics	Value
Mean	3.1
Median	3.0
Mode	3
Standard Deviation	0.6

10. I would recommend this course to other students.

1 Not At All	1	3%
2 Somewhat	5	14%
3 Moderately	14	39%
4 Mostly	11	31%
5 Strongly	5	14%
Total	36	

Statistics	Value
Mean	3.4
Median	3.0
Mode	3
Standard Deviation	1.0

11. The course inspired me to learn more about the subject matter.

5 A Great Deal	2	6%
4 Mostly	16	44%
3 Moderately	9	25%
2 Somewhat	9	25%
1 Not At All	0	0%
Total	36	
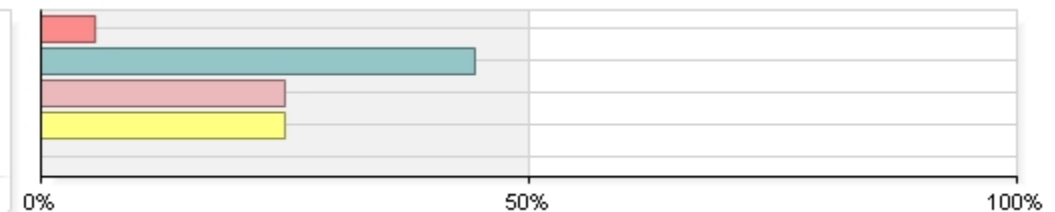
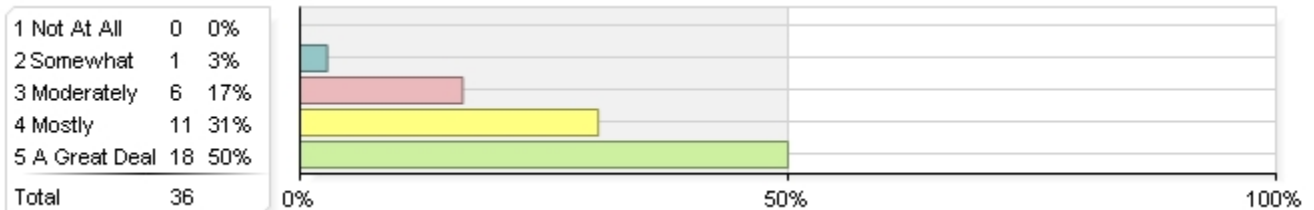| Statistics	Value
Mean	3.3
Median	3.5
Mode	4
Standard Deviation	0.9

Part C. Departmental Items - Mathematical and Computational Sciences

12. The course instructor (<u>Bulent Esentepe</u>) suggested specific ways to help understand course concepts.

1 Not At All	1	3%
2 Somewhat	2	6%
3 Moderately	11	31%
4 Mostly	10	28%
5 A Great Deal	12	33%
Total	36	
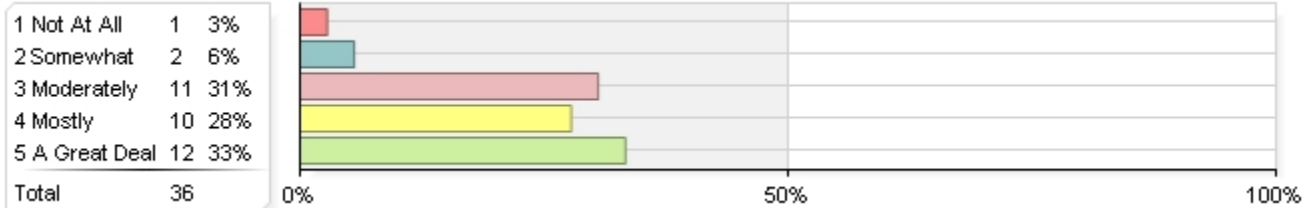
Statistics	Value
Mean	3.8
Median	4.0
Mode	5
Standard Deviation	1.1

13. The course instructor (<u>Bulent Esentepe</u>) used examples when explaining course concepts.

1 Not At All	0	0%
2 Somewhat	1	3%
3 Moderately	6	17%
4 Mostly	11	31%
5 A Great Deal	18	50%
Total	36	

Statistics	Value
Mean	4.3
Median	4.5
Mode	5
Standard Deviation	0.8

14. The support my teaching assistant provided contributed to my learning in the course.

1 Not At All	1	3%
2 Somewhat	5	14%
3 Moderately	6	17%
4 Mostly	10	28%
5 A Great Deal	14	39%
Total	36	
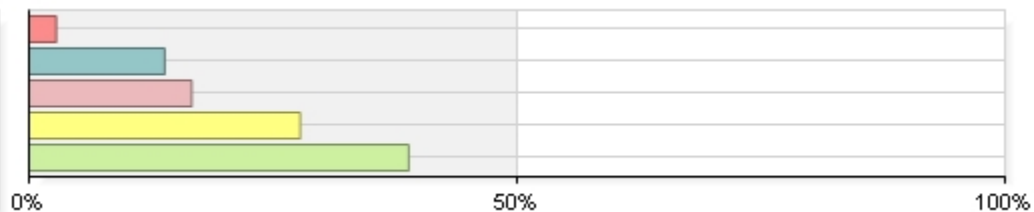
Statistics	Value
Mean	3.9
Median	4.0
Mode	5
Standard Deviation	1.2

Section 3. Comparative Data

Section 3: Comparative Data

*This section provides comparative means for your course as compared to the relevant means across **all** other evaluated courses at a particular level of comparison (e.g., division, program)* for each set of items.

Part A. Core Institutional Items

Scale: 1 - Not At All   2 - Somewhat   3 - Moderately   4 - Mostly   5 - A Great Deal

Institutional Composite Mean	Course 4.0 / Department (MCS) 3.8 / Division (ERIN) 3.9
1. I found the course intellectually stimulating.	Course 3.9 / Department (MCS) 3.8 / Division (ERIN) 3.9
2. The course provided me with a deeper understanding of the subject matter.	Course 4.1 / Department (MCS) 3.9 / Division (ERIN) 4.0
3. The instructor (Bulent Esentepe) created an atmosphere that was conducive to my learning.	Course 4.1 / Department (MCS) 4.0 / Division (ERIN) 4.1
4. Course projects, assignments, tests, and/or exams improved my understanding of the course material.	Course 3.9 / Department (MCS) 3.7 / Division (ERIN) 3.8
5. Course projects, assignments, tests and/or exams provided opportunity for me to demonstrate an understanding of the course material.	Course 3.9 / Department (MCS) 3.7 / Division (ERIN) 3.9

Section 3. Comparative Data (continued)

Scale: 1 - Poor   2 - Fair   3 - Good   4 - Very Good   5 - Excellent

| 6. Overall, the quality of my learning experience in this course was:	Course 3.7 Department (MCS) 3.4 Division (ERIN) 3.6
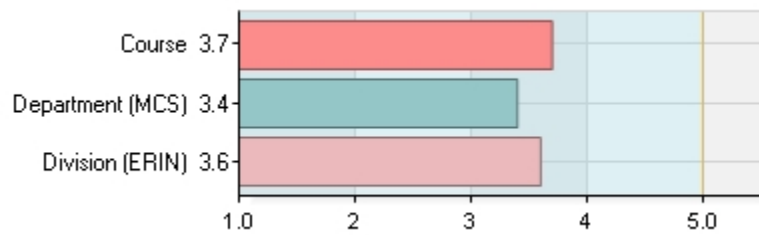
Part B. Divisional Items

Scale: 1 - Very Light   2 - Light   3 - Average   4 - Heavy   5 - Very Heavy

| 9. Compared to other courses, the workload for this course was...	Course 3.1 Department (MCS) 3.5 Division (ERIN) 3.3
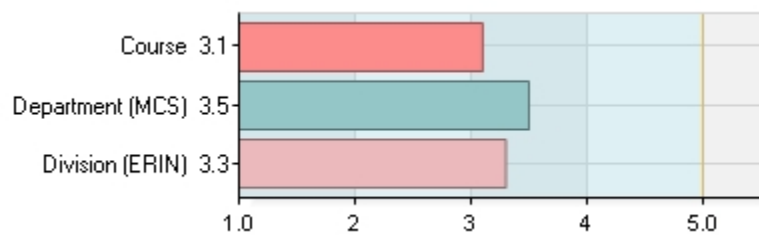
Scale: 1 - Not At All 2 - Somewhat 3 - Moderately 4 - Mostly 5 - Strongly

10. I would recommend this course to other students.	Course 3.4 Department (MCS) 3.2 Division (ERIN) 3.6
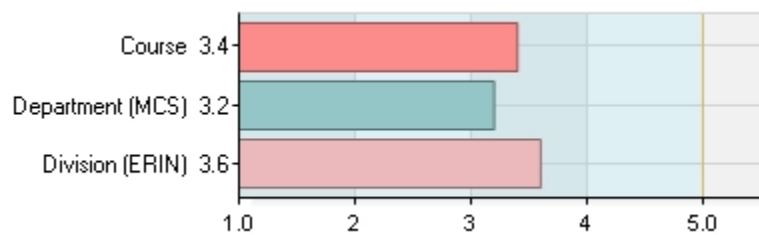
Scale: 1 - Not At All   2 - Somewhat   3 - Moderately   4 - Mostly   5 - A Great Deal

| 11. The course inspired me to learn more about the subject matter.	Course 3.3 Department (MCS) 3.3 Division (ERIN) 3.6
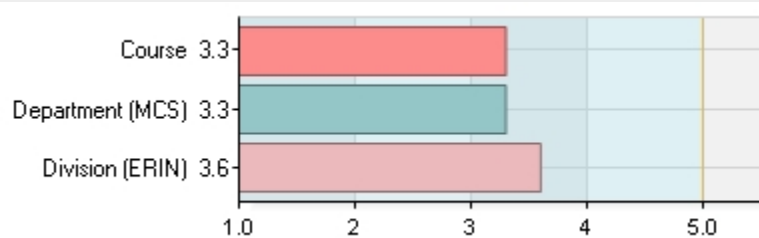
Section 3. Comparative Data (continued)

Part C. Departmental Items - Mathematical and Computational Sciences
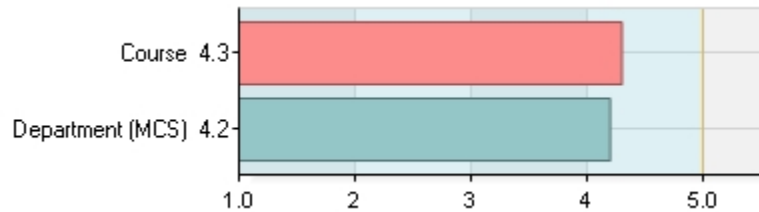
Scale: 1 - Not At All   2 - Somewhat   3 - Moderately   4 - Mostly   5 - A Great Deal

12. The course instructor suggested specific ways to help understand course concepts.

Course 3.8
Department (MCS) 3.9
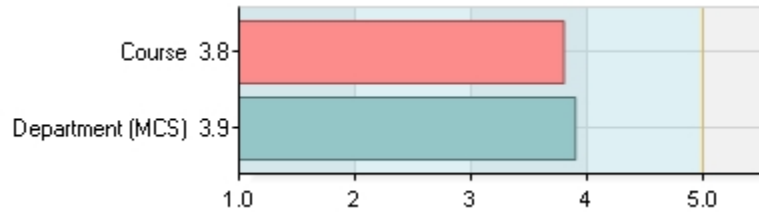
Scale: 1 - Not At All   2 - Somewhat   3 - Moderately   4 - Mostly   5 - A Great Deal

13. The course instructor used examples when explaining course concepts.

Course 4.3
Department (MCS) 4.2

Scale: 1 - Not At All   2 - Somewhat   3 - Moderately   4 - Mostly   5 - A Great Deal

14. The support my teaching assistant provided contributed to my learning in the course.
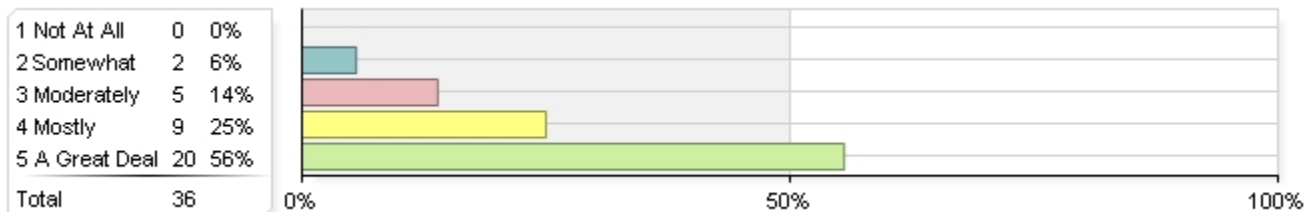
Course 3.9
Department (MCS) 3.6
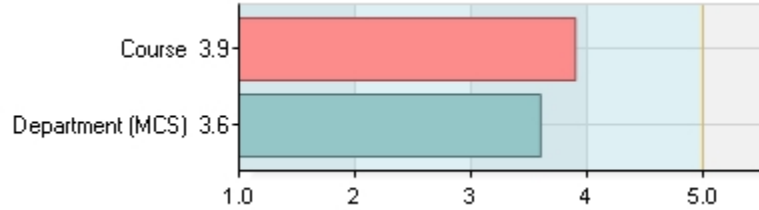
Section 4. Formative Data

These items are optional items which you selected from the item bank during the question personalization period. Note that the results from these items are only reported to you as they are primarily intended to function as personal formative feedback.

C-1. The course instructor (Bulent Esentepe) was enthusiastic about the course material.

1 Not At All	0	0%
2 Somewhat	2	6%
3 Moderately	5	14%
4 Mostly	9	25%
5 A Great Deal	20	56%
Total	36	

Statistics	Value
Mean	4.3
Median	5.0
Mode	5
Standard Deviation	0.9

C-2. The course instructor (Bulent Esentepe) explained concepts clearly.

1 Not At All	0	0%
2 Somewhat	2	6%
3 Moderately	7	19%
4 Mostly	15	42%
5 A Great Deal	12	33%
Total	36	
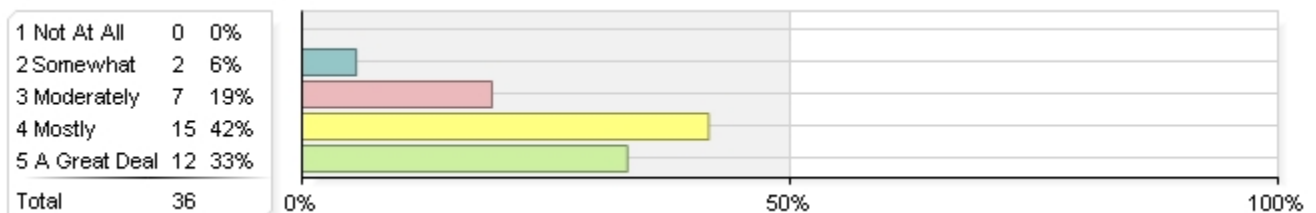
Statistics	Value
Mean	4.0
Median	4.0
Mode	4
Standard Deviation	0.9

D-2. The course instructor (<u>Bulent Esentepe</u>) expressed an interest in student understanding when explaining course concepts.

1 Not At All	0	0%
2 Somewhat	0	0%
3 Moderately	6	17%
4 Mostly	12	33%
5 A Great Deal	18	50%
Total	36	

Statistics	Value
Mean	4.3
Median	4.5
Mode	5
Standard Deviation	0.8