
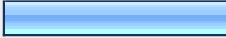





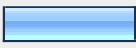



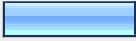
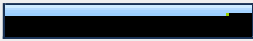
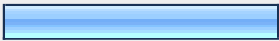
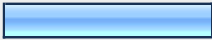
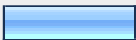
MATLAB Survey for OIT Students

1. What is your major?		
		Response Count
		358
<i>answered question</i>		358
<i>skipped question</i>		3

2. What is your class designation?			
		Response Percent	Response Count
Freshman		22.6%	81
Sophomore		24.3%	87
Junior		25.4%	91
Senior		27.7%	99
<i>answered question</i>			358
<i>skipped question</i>			3

3. How often do you use MATLAB?			
		Response Percent	Response Count
1-3 times per term		4.5%	16
About once per week		2.8%	10
Several times per week		2.2%	8
Have used MATLAB, but don't currently		14.2%	51
Never used MATLAB		76.3%	273
<i>answered question</i>			358
<i>skipped question</i>			3

4. Where, primarily, did you learn to use MATLAB? Please choose the best answer.

		Response Percent	Response Count
MATH 221 (Intro to Computational Software)		14.3%	10
In math classes other than MATH 221		27.1%	19
In classes outside the math department		30.0%	21
On my own		22.9%	16
Other (please specify)		14.3%	10
		answered question	70
		skipped question	291

5. How helpful has MATLAB been to you in the following areas?

	Extremely Helpful	Somewhat Helpful	Only Slightly Helpful	Not Helpful	N/A	Rating Average	Response Count	
Problem solving	24.6% (17)	36.2% (25)	15.9% (11)	18.8% (13)	4.3% (3)	2.70	69	
Calculating	30.4% (21)	33.3% (23)	18.8% (13)	13.0% (9)	4.3% (3)	2.85	69	
Learning concepts	10.0% (7)	37.1% (26)	24.3% (17)	22.9% (16)	5.7% (4)	2.36	70	
Analyzing data	24.6% (17)	37.7% (26)	17.4% (12)	14.5% (10)	5.8% (4)	2.77	69	
Visualizing data	33.3% (23)	46.4% (32)	10.1% (7)	8.7% (6)	1.4% (1)	3.06	69	
Other (please specify)							3	
							answered question	70
							skipped question	291

6. In your opinion, would it be better for students to learn MATLAB alongside their math courses instead of in a separate course like Math 221?

		Response Percent	Response Count
Definitely		28.6%	20
Probably		30.0%	21
Probably not		17.1%	12
No		10.0%	7
No opinion		14.3%	10
		answered question	70
		skipped question	291

7. How well do you think MATLAB is incorporated into your math classes?


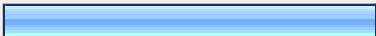
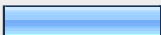
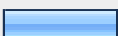
		Response Percent	Response Count
Very well		7.1%	5
Somewhat		15.7%	11
Used, but not incorporated		27.1%	19
Not used at all		50.0%	35
		Comments	9
		answered question	70
		skipped question	


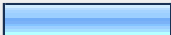
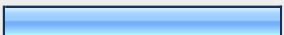
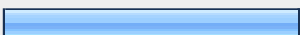
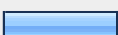
8. If OIT had an option to learn MATLAB in 1-credit courses concurrently with the Calculus courses would this be more or less helpful than the current method of teaching the software?

		Response Percent	Response Count
More helpful		51.4%	36
Same		11.4%	8
Less helpful		2.9%	2
Don't know		24.3%	17
Other or Additional Comments		10.0%	7
		<i>answered</i>	70
		<i>skipped question</i>	29

9. How clear were the goals and reasons for learning MATLAB made to you when you were asked to use the software at OIT?

		Response Percent	Response Count
		17.1%	

11. Are you interested in seeing more interactive visualizations and demonstrations of concepts covered in lectures using computers?				
			Response Percent	Response Count
Very interested			30.0%	83
Somewhat interested			40.8%	113
Only slightly interested			17.0%	47
Not interested			12.3%	34
			Comments	22
			answered question	277
			skipped question	84

12. How often are demonstrations given in your math classes to show how the lecture material is used in or directly related to your field?				
			Response Percent	Response Count
Very often			6.9%	19
Occasionally			18.1%	50
Not often			30.3%	84
Never			32.5%	90
Other (please specify)			12.3%	34
			answered question	277
			skipped question	84

13. In what ways do you think math classes at OIT could use technology to improve your learning experience.			Response Count
			119
			answered question
			119
			skipped question
			242

14. Do you think learning math software like MATLAB is a useful addition to your mathematical education? Please explain why you feel this way.

		Response Count
		126
	<i>answered question</i>	126
	<i>skipped question</i>	235