## PRE-COURSE SURVEY

1.] What is your name?\_\_\_\_\_

2.] What is your gender?\_\_\_\_\_

3.] What is your major?\_\_\_\_\_

Demographics

4	4.] Circle your class standing:	freshman, sop	homore, junior, or	senior.				
Prof	dciency							
5.]		le, indicate you	r proficiency on a	ns that you've used before. For scale of 1 to 5, where 1 is very				
	• Python	• Mathen	natica	• Microsoft Word				
	• C++	• Gurobi		• LATEX				
	• Java	• AMPL		• Powerpoint				
	• Excel Solver	• LINDO		• Beamer				
	• Maple	• CPLEX		• Zoom				
Con	Others (please specify):							
	Confidence  6.] Consider the following statement: "I am confident that I can learn a new technology, such as Python or Excel Solver, to perform programming tasks to solve mathematical problems."							
	Circle one option below that indicates how strongly you agree/disagree with that statement:							
	(1) Strongly Agree,	(2) Agree,	(3) Disagree,	(4) Strongly Disagree.				
7.]	Consider the following statement: "I am confident in using a technology, such as Python or Excel Solver, to perform programming tasks to solve mathematical problems." Circle one option below that indicates how strongly you agree/disagree with that statement:							
	(1) Strongly Agree,	(2) Agree,	(3) Disagree,	(4) Strongly Disagree.				
8.]	_			tting software, such as LATEX, to one option below that indicates				

how strongly you agree/disagree with that statement:

	(1) Strongly Agree,	(2) Agree,	(3) Disagree,	(4) Strongly Disagree.			
9.]	Consider the following statement: "If I were to open a blank source file for Python, Excel Solver, or IATEX right now, I would probably be unsure how to start or what to do." Circle one option below that indicates how strongly you agree/disagree with that statement:						
	(1) Strongly Agree,	(2) Agree,	(3) Disagree,	(4) Strongly Disagree.			
Attitude							
10.]	Consider the following statement: "I am interested in learning new technology, such as Python or Excel Solver, to perform programming tasks to solve mathematical problems." Circle one option below that indicates how strongly you agree/disagree with that statement:						
	(1) Strongly Agree,	(2) Agree,	(3) Disagree,	(4) Strongly Disagree.			
11.]	] Consider the following statement: "I believe that learning a new technology, especially as it applies to mathematics, is an essential part to my educational experience." Circle one option below that indicates how strongly you agree/disagree with that statement:						
	(1) Strongly Agree,	(2) Agree,	(3) Disagree,	(4) Strongly Disagree.			
12.]	Consider the following statement: "I believe that being proficient in a scientific computing language, such as Python or Excel Solver, will have a positive impact in my future career and make me more competitive in the job market." Circle one option below that indicates how strongly you agree/disagree with that statement:						
	(1) Strongly Agree,	(2) Agree,	(3) Disagree,	(4) Strongly Disagree.			
13.]	Consider the following statement: "I believe that being proficient in a typesetting language such as LATEX, is essential to becoming a better communicator in written and/or oral format especially when conveying mathematical ideas." Circle one option below that indicates how strongly you agree/disagree with that statement:						
	(1) Strongly Agree,	(2) Agree,	(3) Disagree,	(4) Strongly Disagree.			
Ove	rall						
14.]	What do you expect to get out of this class?						