## 2234B - Summer 2023 - LA - CMATHSTAT - ASUO Survey 2234B (2023)

Course:	MAT 242 41344 - Elementary Linear Algebra	Department:	CMATHSTAT
Responsible Faculty:	Brian England	Responses / Expected:	20 / 49 (40.82%)
Overall Mean:	<ul> <li>4.8 Cum GPA (17 responses)</li> <li>4.5 Expected Grade (20 responses)</li> <li>4.2 5-Point SA&gt;SD w/Neutral H-L (140 responses)</li> <li>4.2 How often access course (20 responses)</li> <li>4.1 Grading (40 responses)</li> <li>4.0 5-Point w/ Neutral H-L (260 responses)</li> <li>3.8 Excellent to Poor (100 responses)</li> <li>2.1 Class Standing (Fr,So,Jr,Sr,Grad) (20 responses)</li> <li>1.0 Reason for course L-H (20 responses)</li> </ul>		

	CMATHSTAT Course Questions		MAT 242 - 41344												
Ge	IATHSTAT Course Questions Ineral Course Questions	Responses (%)						Course							
		SA	A	N	D	SD	N	Mean	Med.	Mode	Std Dev				
Q1	Assignments and/or examinations promote learning	7 35%	9 45%	3 15%	0	1 5%	20	4.1	4	4	.97				
Q2	Class sessions are well planned	8 40%	7 35%	4 20%	1 5%	0	20	4.1	4	5	.89				
Q3	The pace and level of the course are appropriate	8 40%	10 50%	2 10%	0	0	20	4.3	4	4	.64				
Q4	The course engages my interest	2 10%	9 45%	7 35%	2 10%	0	20	3.6	4	4	.80				
Q5	I learned something that I consider valuable	3 15%	11 55%	6 30%	0	0	20	3.9	4	4	.65				

## Responses: [SA] Strongly Agree=5 [A] Agree=4 [N] Neutral=3 [D] Disagree=2 [SD] Strongly Disagree=1

	MAT 242 - 41344												
CMATHSTAT Course Questions General Course Questions		Responses (%)					Course						
	Α	В	с	D	E	N	Mean	Med.	Mode	Std Dev			
Q6 Using A-E as grades, what is your overall rating of the course?	9 45%	6 30%	2 10%	2 10%	1 5%	20	4.0	4	5	1.18			

Responses: [A] A=5 [B] B=4 [C] C=3 [D] D=2 [E] E=1

CMATHSTAT Online - Course Tool Questions ASU Online and iCourse		MAT 242 - 41344											
		Res	ponses (	%)	Course								
	OAW	TAW	TTA	FTA	FOM	N	Mean	Med.	Mode	Std Dev			
Q7 On average, how often did you access your course?	0	2 10%	2 10%	7 35%	9 45%	20	4.2	4	5	.96			

Responses: [OAW] Once a week=1 [TAW] Twice a week=2 [TTA] Three times a week=3 [FTA] Four times a week=4 [FOM] Five or more=5

	ATHSTAT Online - Course Tool Questions				м	AT 24	42 -	2 - 41344					
ASU	Online and iCourse		Resp	onse	s (%)		Course						
		E	VG	G	F	Р	N	Mean	Med.	Mode	Std Dev		
Q8	How would you rate the overall quality of your experience with the technology used in this course (videos, uploading files, etc.)?	8 40%	3 15%	5 25%	3 15%	1 5%	20	3.7	4	5	1.27		
Q9	How would you rate the ease of navigation?	12 60%	4 20%	2 10%	2 10%	0	20	4.3	5	5	1		
Q10	How would you rate the accessibility of the instructor?	6 30%	5 25%	5 25%	1 5%	3 15%	20	3.5	4	5	1.36		
Q11	How would you rate the timeliness of the instructor's response to questions, assignments, and tests?	9 45%	4 20%	3 15%	2 10%	2 10%	20	3.8	4	5	1.36		
Q12	How would you rate the degree to which communication components of the course (chat, discussion board, email, announcements, etc.) added to the interaction between students and the instructor?	9 45%	1 5%	6 30%	2 10%	2 10%	20	3.7	3.5	5	1.39		

Responses: [E] Excellent=5 [VG] Very Good=4 [G] Good=3 [F] Fair=2 [P] Poor=1

	MAT 242 - 41344															
CMA Acad	THSTAT Student Demographic Questions emic General		Res	ponses	(%)							С	ourse			
		F	s	J		S	G	N		Mea	n	М	ed.	Mode	e	Std Dev
Q13	What is your current class standing?	6 30%	9 45%	3 15%		2 10%	0	20	)	2.1			2	2		.92
	<b>Responses: [F</b> ] Freshman=1 [ <b>S</b> ] Sophomore=2 [ <b>J</b> ] Junior=3 [ <b>S</b> ] Senior=4 [ <b>G</b> ] Graduate=5															
СМА	THSTAT Student Demographic Questions			Deer		(%)		MA	AT 242	2 - 41	344		0			
Acad	emic General		MF	RI	onse FC	es (%) GS	E	GI	N	м	ean		Med.	Мос	le	Std Dev
Q14	What requirement does this course meet for you?		20 100	% (	C	0	(	)	20	1	.0		1	1		0
	Responses: [MR] M	lajor Requi	rement=1	[ <b>RFC</b> ] Rel	lated	Field (	Course=	=2 [ <b>G</b> s	S] Gen	eral S	tudies	=3 [	EGI] Elec	tive (Ge	neral Inte	erst)=4
								ма	Г 242	- 413	344					
CMA Acad	THSTAT Student Demographic Questions emic General			Respo	onse	es (%)				-10			Course	rse		
			A	В	(	c	D/E	ο	N	N	lean		Med.	Mo	de	Std Dev
Q15	What grade do you expect to earn for this course?		13 65%	4 20%	: 15	3 5%	0	0	20		4.5		5	5		.74
						F	Respon	ises:	[ <b>A</b> ] A=	5 [ <b>B</b> ]	B=4	[ <b>C</b> ] (	C=3 [ <b>D/E</b>	] D/E=2	2 [ <b>0</b> ] Ot	her=1
CMA	TUSTAT Student Demographic Questions						МА	AT 24	2 - 413	344						
Acad	emic General		Res	ponses ('	%)	1 1			1			Co	ourse			0.1
		3		3	2	2	B2	N	N Mean			Med.		Mode		Dev
Q16	What is your current ASU GPA?	13 76.5%	% 2	4 3.5%	0	0	0	17		4.8		į	5	5		.42
			Respo	onses: [3]	3.5	i+=5 [3	<b>3</b> ] 3.0-3	3.49=4	1 [ <b>2</b> ] 2	.50-2	.99=3	[2]	2.0-2.49	=2 [ <b>B2</b> ]	Below	2.0=1
ASU	Online Program									(1)	MAT	242 ·	- 41344	_		
Onlin	e Content and Instruction						54	кеsр л	onses	s (%)	50	N	Moon	Cours	e Modo	Std
017	The course was easy to navigate.						<b>3A</b> 14	4	2	0	0	20	4.6	5	5	Dev
Q18	The course presentations contributed to my learning.						70% 8 40%	20% 6	10% 5	0	1	20	4.0	4	5	1.05
Q19	Q19 The course criteria for success on graded work was clear and specific.						40% 11 55%	5 25%	23% 4 20%	0	0	20	4.4	5	5	.79
Q20	The course learning activities adequately prepared me for graded work.						9 45%	4 20%	6 30%	1 5%	0	20	4.1	4	5	.97
Q21	The instructor was visibly present in the course (e.g. posted announcement	s, active	in discus	sions, et	c.).		13 65%	2 10%	5 25%	0	0	20	4.4	5	5	.86
Q22	The instructor responded to inquiries within 24 hours.						11 55%	4 20%	4 20%	0	1 5%	20	4.2	5	5	1.08
Q23	23 The instructor provided meaningful feedback on graded work.						5 25%	4 20%	8 40%	1 5%	2 10%	20	3.5	3	3	1.20
	Perpense: [SA] Strengly Agree-5 [A] Agree-4 [N] Neutral-2 [D] Disagree-2 [SD] Strengly Disagree-1															

						Bria	n Engl	and			
CM	se Related Faculty Questions		Res	sponses	(%)				Individu	al	
			Α	N	D	SD	N	Mean	Med.	Mode	Std Dev
Q24	The instructor's presentations are clear and understandable	7 35%	7 35%	3 15%	2 10%	1 5%	20	3.9	4	4,5	1.15
Q25	The Instructor makes clear what is expected of me in this course	10 50%	8 40%	2 10%	0	0	20	4.4	4.5	5	.66
Q26	I have confidence in the instructor's knowledge of the subject	11 55%	7 35%	1 5%	1 5%	0	20	4.4	5	5	.80
Q27	The instructor is helpful if the class has difficulty with the material	8 40%	5 25%	4 20%	1 5%	2 10%	20	3.8	4	5	1.29
Q28	I feel welcome seeking help from the instructor	9 45%	4 20%	6 30%	0	1 5%	20	4.0	4	5	1.10
Q29	The instructor promotes effective class discussion	8 40%	5 25%	7 35%	0	0	20	4.1	4	5	.86
Q30	The instructor conveys enthusiasm about the course	6 30%	6 30%	7 35%	0	1 5%	20	3.8	4	3	1.03
Q31	The instructor's responses to written work are helpful	6 30%	5 25%	5 25%	2 10%	2 10%	20	3.6	4	5	1.28

Responses: [SA] Strongly Agree=5 [A] Agree=4 [N] Neutral=3 [D] Disagree=2 [SD] Strongly Disagree=1

MATHSTAT Faculty Questions ourse Related Faculty Questions		Brian England											
		Responses (%)					Individual						
	Α	В	С	D	E	N	Mean	Med.	Mode	Std Dev			
Q32 Using A-E as grades, what is your overall rating of the instructor?	11 55%	3 15%	3 15%	3 15%	0	20	4.1	5	5	1.14			

Responses: [A] A=5 [B] B=4 [C] C=3 [D] D=2 [E] E=1

	Question:	What did you like about the course?	
Re	sponse Rate:	80.00% (16 of 20)	
1	unlimited h	omework tries.	Q
2	the homewo	ork was well prepared	Q
3	Well organiz	zed lectures	Q
4	WebWork is	s a decent tool; however, it can be finicky when inputting data, and the expected format for answers is not always clear.	Q
5	Very well or	ganized and professional.	Q

6	The main lecture videos were well done and overall covered the subjects clearly. Some shorter videos accompanied the main lectures that provided additional problems with solutions with steps.	Q
7	Relatively straight forward learning	Q
8	Presentation was very straight forward and great examples to work with.	Q
9	Lessons are well designed to give student the knowledge to learn the content.	Q
10	Learning a matrix is just like learning to solve a puzzle. I like it!	Q
11	I liked the flexibility and small amount of homework required allowing me to not stress and overbook myself.	Q
12	I liked that it was clear what our grades were based on and they were short and to the point. It was helpful to be able to try out answers and then ask questions to find the correct answers. I really liked the InScribe forum, very useful for getting help. The free tutor was also helpful.	Q
13	I liked how I was able to work at my own pace. Sometimes during the week, it can be hard to do everything for the class. It is great to have the weekend to work on assignments.	Q
14	I like the pace. I think the content is challenging but fair.	Q
15	I had never learned any linear algebra concepts and it was interesting	Q
16	Good Pacing	Q
Re	Question: what did you dislike about the course? Do you have any suggestions to improve the course?	
1	was unable to adjust size of lecture screens	Q
2	the exams are based on right or wrong answer which I find is so bad because a student might fail the class by just by not following the webwork rules or how to enter answers. I have never had a math class that works like that. usually we get credit on the amount of steps or work we show.	Q
3	number of problems to solve for homework. Having more questions for each topic could be useful for practice. currently there are sections that only have 1-3 questions for homework.	Q
4	nothing at this time	Q
5	Weird reaction but f the professor to errors in the midterm exam for how to input values. He did provide extra credit to help compensate for those questions that had incorrect instructions for how to enter answers. Following the instructions for how to enter the answers in the midterm exam lead to zero points even if the answers were correct.	Q
6	Webwork formatting for items were trivial in regards to mathematics. Should you know set notation? Yes, although should you miss 10% on an exam because you had parenthesis instead of brackets but the correct numbers? No. Luckily the instructor half understood and allowed some credit.	Q
	WeBWork is not so great, I have quite a challenge to fill the answer correctly, the way WeBWork requires to answer, especially with Infinity.	
7	With an accelerated course, you don't have much time to do tutoring. Our professor has actively given extra explanations in InScribe. Prof. England needs to do that more for the accelerated course.	
	Additionally, it would be helpful if we can make the video full-screen, and the video should have subtitles to make it very clear. English is my second language it will be really helpful the subtitles.	Q
8	The videos that were used often felt disconnected from the concept we were learning, or repeated a concept. I also felt the videos were often just a guy reading a presentation and then doing an example, without any clear explanation of what was actually happening. I could use some real world examples of how these processes were used or what was actually happening mathematically, beyond just the steps to get the answer. I feel I ended the course knowing how to get the answers the questions are asking for, without knowing what the answers are or how the processes work at all.	Q
9	The video lectures would not open up to a full screen which other classes do, nor was sub-titles available. Both of these need to be added, zooming into the video 400% is incredible annoying.	Q
	The quality of lecture videos for all math classes I have taken at ASU is subpar. They often fail to explain the concepts in a way that is easily understandable. Instead, they introduce new terminology assuming that students are already familiar with it, leaving us struggling to grasp the content. A more effective approach would involve well-structured videos that proceed at a slower pace, offer clearer explanations of concepts, and provide some background information to aid comprehension.	
10	Furthermore, the course lecture videos do not consider that math topics are interconnected and build upon one another. As a result, they expect us to remember previous topics without providing a means to refresh our memory or revisit related concepts from other courses. This lack of support makes it challenging to keep up with the material.	
	To compensate for these shortcomings, I have had to resort to purchasing subscriptions to other platforms like CalcWorkshop. These external resources have proven more helpful in my learning journey, and it's disheartening that despite the substantial amount of money students spend on ASU's online platform, it fails to provide adequate resources for effective learning.	Q
11	The complexity of the homework assignments did not match the complexity of the exams. The exams were more complex than anything else provided.	Q
12	Some of the additional videos were not very clear in regard to explaining additional content. An example I can pinpoint was the lectures on multiplicity did not connect well the with main lecture.	Q

13	<b>3</b> Some of the introductory videos included outdated information that did not align with the course structure.	Q
14	4 Maybe post more videos explaining student questions that get sent through inscribe. Announcements are a good way, in my opinion, to make sure everyone se explanation. Inscribe is tedious because you have to remember to check it instead of getting a notification in your email.	es the Q
15	5 I understand that this is a brief linear algebra course, but it would be nice to have a little bit more theory in the instructional materials.	Q
16	6 I do not have any suggestions at this time.	Q
17	7 I did not dislike anything in particular.	Q
18	Course videos and content seemed to be presented in a slightly disjointed fashion. The most frustrating part was the lack of visual interpretation of concepts really best explained visually. When I went outside the course and watched some videos on the same concepts that showed their meaning visually (instead of presenting a proof) it de-mystified everything.	that are
	Question: What did you like the most about the course?	
Por		
Res	esponse kate. 60.00% (12 of 20)	
1	the webwork problems were the best part due to them being clear and concise.	Q
2	2 pace of course	Q
3	3 normal class	Q
4	Very straight forward.	Q
5	The subject matter was interesting.	Q
6	The lectures covered a vast majority of the course material	Q
7	7 I liked the format and the amount of homework given	Q
8	I like to be able to work at my pace and even though I did not get a chance to move ahead in the class I was able to keep up. It was nice to have the chance of ahead on the assignments.	working
9	I learned a lot quickly.	Q
10	0 I learn something new.	Q
11	1 Challenging enough to luckily accomplish most work on my own.	Q
12	2 Assignments and tests were short and to the point. They allowed me to test out answers and find issues before being graded.	Q
	Our stien What did you like the local shout the source?	
Des		
Re		
1	webwork exams and only right or wrong answer	Q
2	2 need more practice work	Q
3	While the webwork questions were good, I often found myself going to outside sources for help since I do not want to wait 24 hours to find answers since I had doing schoolwork well ahead of time.	ve to plan
4	When one of us confuse, we need clear explanation.	Q
5	Webwork can be hard to use at times, can be very frustrating.	Q
6	The instructor was not very helpful with answering questions in the discussion forums, and overall had a very minimal presence.	Q
7	Presentation of the subject matter was dry and singularly focused on proofs, which I would venture to say is not the best way to explain a concept to anyone b natural mathematician.	ut a 🔍
8	Nothing great course.	Q

9	Nothing at this time.	Q
10	Not being able to maximize videos.	Q
11	I did not like how not many people took up the offer to join the discussion forum, that really inhibited the ability to get questions answered if someone was struggling.	Q
12	I could have used more time with the professor, perhaps a consistent office hours time instead of by appointment only.	Q
13	32.5% of your grade is a 10 question mid term exam. I'm not sure how many questions are on the final, someone asked and was ignored, but it also 32.5% of the grade.	Q

Faculty:		Brian England					
Question:		: What did you like about the instructor or the method of instruction?					
Response Rate: 70.00% (14 of 20)							
1	very direct o	n expectations with no grey areas	Q				
2	2 he had everything set and ready for the class.						
3	This course is organized, and Prof. England is very professional and friendly. However, sometimes my class needs more explanation when we face a challenge.						
4	The way the	se courses are set up, the instructor is just the administrator of the content for the most part. So I would say it's not really an applicable question.	Q				
5	The only presence from the instructor was announcements and commentary in the discussion forum. Several items indicated the professor does not put much effort into the online courses including: copy and pasting announcements from other classes, using a welcome video for MTH266, and a welcome message from the professor where he talks about services that are obsolete.						
	I also found the lack of WebWork problems to be hindering to the learning experience. One section would have less than ten or twelve problems to learn from, which I felt was insufficient.		Q				
6	The information was concise with many examples.		Q				
7	I thought the instructor was very knowledgeable and definitely helped if they responded to questions in a timely manner.		Q				
8	8 I really like the video lectures for this course. They helped me see the visual methods of how to solve problems. The Inscribe Community was also a great had any questions I was able to ask them in the discussion.		Q				
9	I liked the use of the discussion platform he used for this course.		Q				
10	I liked that the videos were clear and to the point, very little wasted time. Assessments and homework were short and proved knowledge of the topics.		Q				
11 I did like the discussion board in inscribe. I had some issues with some homework and I was able to find the answer before I needed to ask the professor		discussion board in inscribe. I had some issues with some homework and I was able to find the answer before I needed to ask the professor.	Q				
12	12 His lectures were very precise and helpful in understanding the material.						
13	3 He is very straight forward.		Q				
14 At least there wa had information		e was a pre canned announcement every now and then, followed by corrective announcements because the copy/paste announcements were incorrect or tion from another class in them.	Q				
	Faculty:	Brian England					
	Question:	What did you dislike about the instructor or method of instruction? Do you have any suggestions to improve instruction?					

Question:		What did you dislike about the instructor or method of instruction? Do you have any suggestions to improve instruction?		
Response Rate: 60.00% (12 of 20)				
1	none at this	time	Q	
2	he did not s	tate the exams will be only right or wrong.	Q	
3	When one o	f us cannot solve a problem, he needs to help us with a clear explanation.	Q	
	The way the	se courses are set up, the instructor is just the administrator of the content for the most part. So I would say it's not really an applicable question.		
4	However, as explanation meant. But	stated in a previous reply I would like it if the concepts presented were not presented as "facts" to memorize but rather had a more visible, tangible For example, eigenvectors sounds like the most crazy useless thing. There was no explanation of why it would be useful to know how to find one, or what it seeing it visually (see 3blue1brown video on "eigenvectors") makes the whole concept stand out.	Q	

5	Nothing at this time.	Q
6	6 No suggestions.	
7	7 It would take days for an inscribe response, which was his particular method of communication. Answering questions involved, "you have an algebraic errorsomewhere." Or only answering part 1 of a students 2 part question with a cryptic inconclusive answer.	
8	8 I would prefer more video explanations in order to learn. Reading solutions through inscribe just causes more confusion in my case.	
9	9 I had no issues, the man loves his math!	
10	I had asked about an answer key to one of the assessments in the discussion forum and the instructor responded that 95% of the class got full credit, essentially blowing me off as not good enough because I was not part of the 95%. I felt like he did not care about students that may be struggling and lost my trust as a resource to succeed in the course.	
	I feel that this class could benefit from a recitation or additional videos of worked problems for students to study and learn from. The exams did not pair well with the lecture material.	Q
11	I did not dislike anything.	Q
12	I could have used more explanation of what the concepts we were learning actually were, how they might be used in a real world situation, how the concepts related to each other, etc. I feel I ended the course with a rote process knowledge about how to get answers but without a conceptual understanding of what those processes did or how they could be used outside the setting of a class.	Q