

Total Enrolled: Number / Percent Responding:	30 9 / 30.00%	SECTION <i>Relative Frequency</i> <i>Strongly Disagree ↔ Strongly Agree</i>							UNIVERSITY <i>Relative Frequency</i> <i>Strongly Disagree ↔ Strongly Agree</i>						
		1	2	3	4	5	NA	Mean	1	2	3	4	5	NA	Mean
1. The instructor communicates clearly and understandably.		0.0	0.0	0.1	0.3	0.6	0.0	4.4	0.0	0.0	0.1	0.3	0.5	0.0	4.3
2. The instructor is prepared for class.		0.0	0.0	0.1	0.2	0.7	0.0	4.6	0.0	0.0	0.1	0.3	0.6	0.0	4.5
3. The instructor is reasonably available outside of class.		0.0	0.0	0.1	0.1	0.8	0.0	4.7	0.0	0.0	0.1	0.3	0.5	0.0	4.4
4. The instructor makes students feel free to ask questions.		0.0	0.0	0.2	0.3	0.4	0.0	4.2	0.0	0.0	0.1	0.2	0.6	0.0	4.4
5. The instructor is concerned about the student.		0.0	0.1	0.3	0.3	0.2	0.0	3.7	0.0	0.0	0.1	0.3	0.5	0.0	4.3
6. The instructor encourages class participation.		0.1	0.0	0.2	0.3	0.3	0.0	3.8	0.0	0.0	0.1	0.3	0.6	0.0	4.4
7. The instructor provides constructive feedback on graded material.		0.0	0.1	0.4	0.2	0.2	0.0	3.6	0.0	0.1	0.1	0.3	0.5	0.0	4.2
8. The instructor returns graded material promptly.		0.0	0.0	0.2	0.3	0.4	0.0	4.2	0.0	0.0	0.1	0.3	0.5	0.0	4.2
9. The grading criteria were clearly explained and followed.		0.0	0.0	0.0	0.7	0.3	0.0	4.3	0.0	0.0	0.1	0.3	0.5	0.0	4.3
10. The course covered the announced objectives.		0.0	0.0	0.0	0.6	0.4	0.0	4.4	0.0	0.0	0.1	0.3	0.6	0.0	4.5
11. The text and course materials were useful learning aids.		0.0	0.0	0.2	0.2	0.6	0.0	4.3	0.0	0.0	0.1	0.3	0.5	0.1	4.2
12. The assignments and homework were useful learning aids.		0.0	0.1	0.0	0.4	0.4	0.0	4.2	0.0	0.0	0.1	0.3	0.5	0.0	4.3
13. The examination questions or paper topic related to the course material.		0.0	0.0	0.4	0.2	0.3	0.0	3.9	0.0	0.0	0.1	0.3	0.5	0.1	4.4
14. The level of this course was intellectually challenging.		0.0	0.1	0.3	0.4	0.1	0.0	3.6	0.0	0.0	0.1	0.3	0.5	0.0	4.3
15. Optional Question 1		0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
16. Optional Question 2		0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
17. Optional Question 3		0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
18. Optional Question 4		0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
		V.Poor	Poor	Satis.	Good	Excel.	Mean		V.Poor	Poor	Satis.	Good	Excel	Mean	
19. Overall, how would you rate this instructor?		0.0	0.1	0.1	0.3	0.4	4.1		0.0	0.0	0.1	0.2	0.6	4.3	
20. Overall, how would you rate this course?		0.0	0.1	0.1	0.3	0.4	4.1		0.0	0.0	0.1	0.3	0.4	4.2	

ARTSC

## Comments

### a) the course

- I didn't feel like the homework helped me to prepare for the exams I also didn't feel like the graded attendance added anything to the course All the lecture slides and recorded lectures were available on Moodle so the graded attendance felt unnecessary Pop quizzes or in class worksheets would have been a more constructive way to encourage and grade attendance
- I think the biggest strengths of this course are how well it incorporates the textbook and how well-made the PowerPoints are The textbook does a good enough job of teaching some of the material that I already have at least a semi-decent understanding by the time I make it to class and the PowerPoints do a great job of serving as a vehicle for you to convey the material to us Also the lectures feel like they're moving at a good pace whereas in other classes I sometimes feel like a lack of students answering questions is holding back the pace of the lecture though I guess this class only does better because you're taking charge and not stopping to try and get students to participate who don't want to and there's both pros and cons in that approach but this is a 100-level course so that's to be expected The biggest weakness of the course is probably how scattered the topics are especially in the first half of the semester The solar system unit especially felt a little too scatterbrained consisting less of connected topics and more of memorize these random facts whereas the stars unit and the galaxies unit are more cohesive and feel like they're teaching things that are more relevant to learning about the universe This made it hard to get a good read on what we really had to know from the solar system unit for the exam but also for understanding in general I think the project is a good idea - while my group's project ended up kinda bog-standard I appreciate the project in concept and some groups got really creative with it which was fun to see though I'm not quite sure if it fits in well into the class given that the readings and homeworks and stuff already make this class take up more time in my week than other classes tend to
- I wish there were less chapters to go over in the course because it just seemed like a lot of material to go over and we might have been better off having maybe a few less
- The course is a lot to handle as we jam things into classes and have to learn outside of class time instead of being taught in the classroom
- The course itself covered the topics it set out to cover

### b) the instructor's teaching

- As I said in the previous section you're great at conveying the material of the course - for me at least your more outspoken personality compared to other professors means you're more efficiently and strongly getting across the concepts we need to learn Another strength of yours is your office hours - I've found the conversations we've had about the homework quite useful in filling in the few gaps in understanding that the textbook and lectures didn't quite get to Also you've done a good job with keeping the curiosity alive in those of us that want to know more - those of us that ask questions beyond the scope of the course get answers from you that do a good job at hinting at what's to come in more advanced classes rather than just snuffing the question out I can't really think of any notable weaknesses in your instruction
- He was very clear and his slides were easy to follow I liked the little questions that he used to break up the lecturing and make sure we were paying attention
- I believe the instructor is a good teacher but needs to slow down on the amount of material
- I didn't feel like Professor Roulston's style of lecturing was very engaging It was easy to lose focus and he talked very fast at times which made it difficult to follow I also don't think he did a great job of making sure the students knew at the beginning of the semester what resources the students had access to through the online textbook that could help them study
- The professor was always ready for lectures and was reasonably available for office hours

### What improvements would you suggest?

- I think the course would benefit from a laboratory section that would allow students to see the real world applications of what they were learning I was also disappointed that we didn't learn more about the observable landmarks in the sky so that we could identify constellations and observable phenomena I would have preferred to have the option of writing an individual research paper instead of doing a group project I feel like a research paper would have allowed us to explore astronomy more in depth on our own
- I would like to see the amount of information covered in this class to be changed to less and it be the more important material
- More math practice questions and maybe practice problems for the exams so we have a rough idea of what to expect
- The biggest change I think the course needs is less focus on the random solar system facts and more focus on the more relevant info from the second half of the semester but it sounds like you already have plans to make those changes so you don't really need suggestions from me on that front
- The only issues I had with this course was that the exams often covered very niche material that would be hard to recall and unlikely to have been put in a notes sheet while some of the exam material was relevant too much of it was smaller details The textbook was also good for the most part but often I would be referred to a page while doing the homeworks that had nothing to do with the question I was looking at and many times would refer me to figures that did not exist