

Project Title: University of Florida GatorEvals – Fall 2023 Main Project

Courses Audience: 28  
Responses Received: 27  
Response Ratio: 96.4%

Instructors Audience: 28  
Responses Received: 27  
Response Ratio: 96.4%

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## Report Comments

### INTRODUCTION

Teaching is a fundamental purpose of the University of Florida and the dissemination of new knowledge in our classrooms, studios, and clinics enables our students and trainees to fully explore their intellectual boundaries. Assessment and evaluation of our courses are designed to enhance instruction and maximize learning to meet the mission of the university. This report contains the results gathered through the new GatorEvals system. Students were invited to share their feedback on the teaching and course material. We invite every faculty member to examine the analysis in the report and utilize the resources provided in the report. Thank you for your continued great work!

Chris Hass, Ph.D.

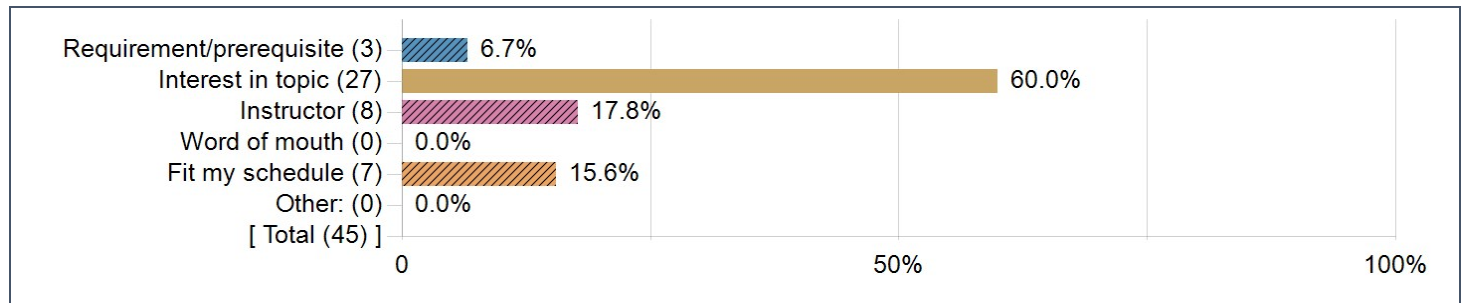
Associate Provost for Academic and Faculty Affairs

### Resources to help you with this report:

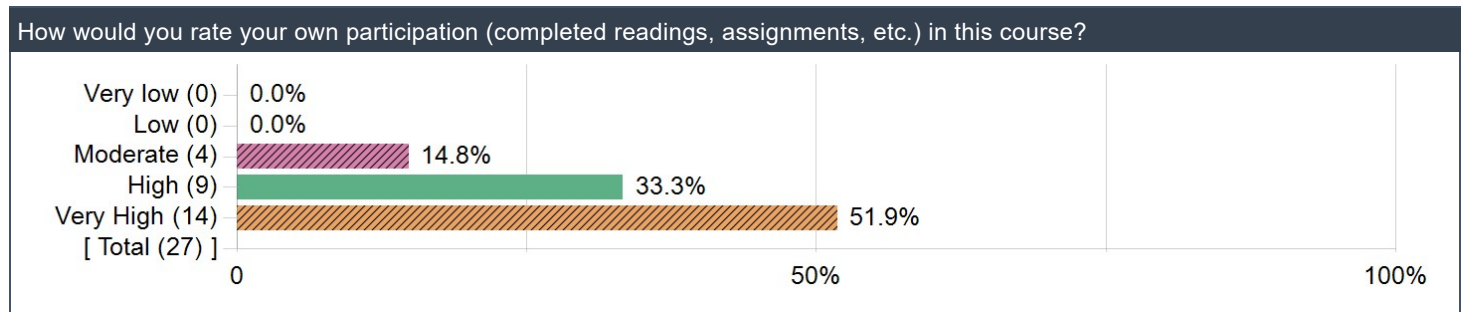
1. Consult our [GatorEvals Guide](#) for interpreting and using teaching survey results.
2. [Register for Elevate](#), a new Center for Teaching Excellence (CTE) initiative to help you create a customized trajectory for professional development, focusing on growth in areas you have identified through self-reflection.
3. GatorEvals offers the ability to [opt-in to a midterm](#) evaluation. This formative feedback offers you a chance to address student insights and adjust the course before the term concludes. Reports are only available to you and are not considered part of the T&P process.
4. Register and attend a [CTE workshop](#).
5. Schedule a [consultation](#) with a CTE staff member or your internal unit to help you interpret your results and develop a course of action.
6. Visit the [CTE Resource Library](#) for additional support.

## Student Self-Evaluation Questions

### Why did you take this course?



### How would you rate your own participation (completed readings, assignments, etc.) in this course?



## Comparative Evaluation Results

### University Core Instructor Evaluation Questions

	Response Rate	Mean	IM	SD	DPT Mean	DPT IM	College Mean	College IM
The instructor was enthusiastic about the course.	96.4%	4.81	4.89	0.40	4.66	4.85	4.62	4.81
The instructor explained material clearly and in a way that enhanced my understanding.	96.4%	4.56	4.71	0.64	4.38	4.68	4.36	4.65
The instructor maintained clear standards for response and availability (e.g. turnaround time for email, office hours, etc.)	96.4%	4.85	4.91	0.36	4.55	4.79	4.53	4.76
The instructor fostered a positive learning environment that engaged students.	96.4%	4.78	4.89	0.51	4.47	4.74	4.45	4.73
The instructor provided prompt and meaningful feedback on my work and performance in the course.	96.4%	4.56	4.83	0.85	4.33	4.67	4.34	4.66
The instructor was instrumental to my learning in the course.	96.4%	4.70	4.86	0.61	4.38	4.72	4.36	4.68
<b>Overall</b>	<b>96.4%</b>	<b>4.71</b>	<b>-</b>	<b>0.59</b>	<b>4.46</b>	<b>-</b>	<b>4.44</b>	<b>-</b>

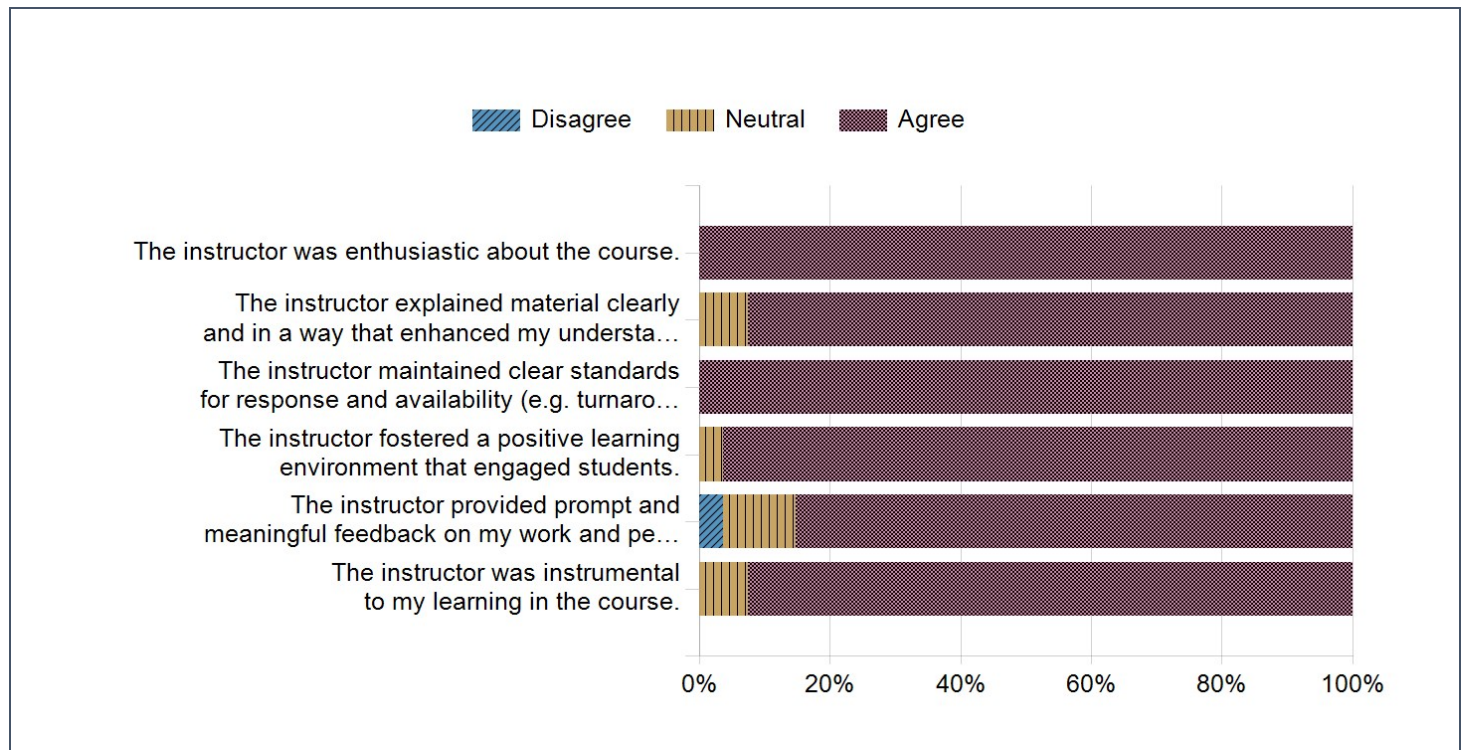
### University Core Course Evaluation Questions

	Response Rate	Mean	IM	SD	DPT Mean	DPT IM	College Mean	College IM
Course content (e.g., readings, activities, assignments) was relevant & useful.	96.4%	4.56	4.75	0.70	4.31	4.47	4.30	4.44
The course fostered regular interaction between student and instructor.	96.4%	4.52	4.60	0.58	4.17	4.38	4.16	4.35
Course activities and assignments improved my ability to analyze, solve problems, and/or think critically.	96.4%	4.52	4.71	0.70	4.29	4.51	4.28	4.47
Overall, this course was a valuable educational experience.	96.4%	4.70	4.83	0.54	4.33	4.53	4.32	4.52
Overall	96.4%	4.57	-	0.63	4.28	-	4.26	-

### Aggregate Evaluation Results

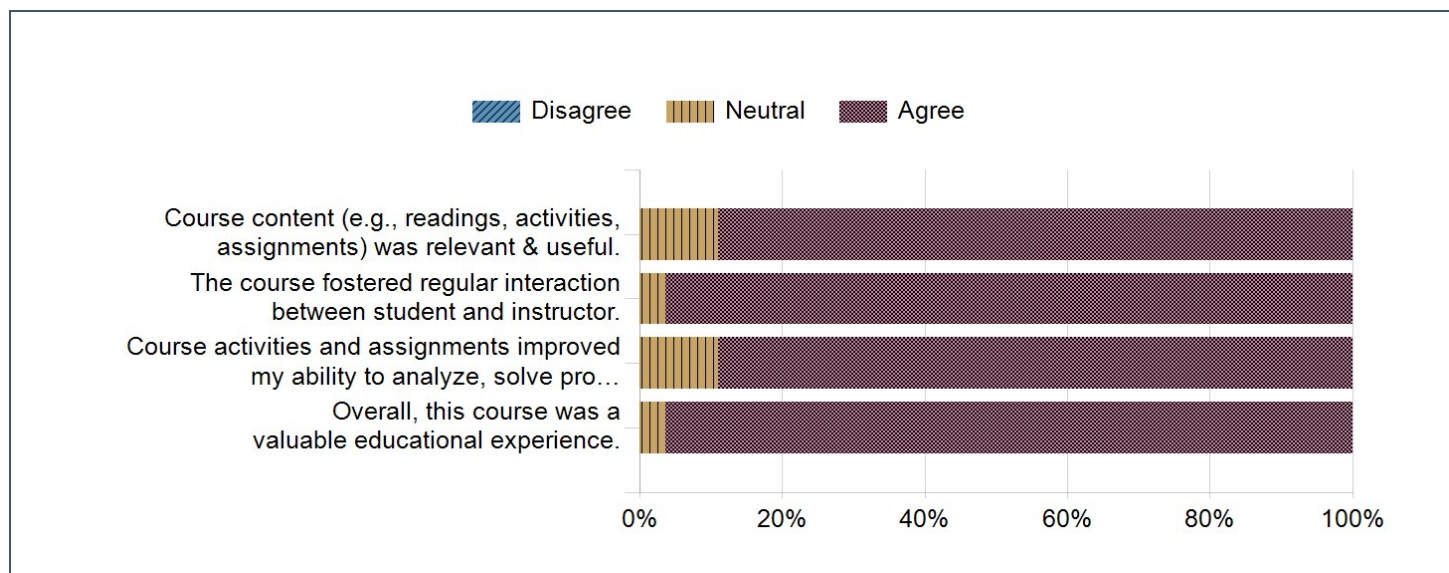
#### University Core Instructor Evaluation Questions - Aggregate Chart

Note that in the following aggregate chart "Strongly Agree" and "Agree" have been grouped together as "Agree" while "Strongly Disagree" and "Disagree" have been grouped together as "Disagree".



### University Core Course Evaluation Questions - Aggregate Chart

Note that in the following aggregate chart "Strongly Agree" and "Agree" have been grouped together as "Agree" while "Strongly Disagree" and "Disagree" have been grouped together as "Disagree".



### Percentages Evaluation Results

#### University Core Instructor Evaluation Questions

	%(1)	%(2)	%(3)	%(4)	%(5)	Count	Mean	Median	SD
The instructor was enthusiastic about the course.	0.0%	0.0%	0.0%	18.5%	81.5%	27	4.81	5.00	0.40
The instructor explained material clearly and in a way that enhanced my understanding.	0.0%	0.0%	7.4%	29.6%	63.0%	27	4.56	5.00	0.64
The instructor maintained clear standards for response and availability (e.g. turnaround time for email, office hours, etc.)	0.0%	0.0%	0.0%	14.8%	85.2%	27	4.85	5.00	0.36
The instructor fostered a positive learning environment that engaged students.	0.0%	0.0%	3.7%	14.8%	81.5%	27	4.78	5.00	0.51
The instructor provided prompt and meaningful feedback on my work and performance in the course.	0.0%	3.7%	11.1%	11.1%	74.1%	27	4.56	5.00	0.85
The instructor was instrumental to my learning in the course.	0.0%	0.0%	7.4%	14.8%	77.8%	27	4.70	5.00	0.61

#### University Core Course Evaluation Questions

	%(1)	%(2)	%(3)	%(4)	%(5)	Count	Mean	Median	SD
Course content (e.g., readings, activities, assignments) was relevant & useful.	0.0%	0.0%	11.1%	22.2%	66.7%	27	4.56	5.00	0.70
The course fostered regular interaction between student and instructor.	0.0%	0.0%	3.7%	40.7%	55.6%	27	4.52	5.00	0.58
Course activities and assignments improved my ability to analyze, solve problems, and/or think critically.	0.0%	0.0%	11.1%	25.9%	63.0%	27	4.52	5.00	0.70
Overall, this course was a valuable educational experience.	0.0%	0.0%	3.7%	22.2%	74.1%	27	4.70	5.00	0.54

For additional information and resources in each of these question areas, please visit the GatorEvals Website at <https://gatorevals.afl.edu/resources--policies/question-set/>

## Free Response Section

Please identify the instructor's strengths that contributed to your learning in the course.

Comments
strong enthusiasm for the material, experience in the field, an up-to-date and informed knowledge base, clear communication, strong lecturing skills
Dr. Shao demonstrates exceptional teaching skills, with a clear and engaging approach that simplifies complex concepts.
He knows very well about the topic, and delivers the knowledge clearly.
Dr. Shao was very knowledgeable and experienced in the course topics which helped in the explanation of complex topics and conveying of information to different levels of machine learning proficiency.
A relaxed and comfortable classroom atmosphere where students can ask questions and express their opinions freely.
Very thorough explanation of an area
Dr Shao is very knowledgeable in the field of medical image analysis and it's evident based on the manner in which he conducts the lessons.
Dr. Shao is very passionate about the topic, and including his research in lectures was very valuable to me for showing the applications of the techniques we were learning.
Very knowledgeable, has a deep understanding of all kinds of deep learning models.
Sharp assessment strong concepts and updated with the recent technology and openness to new concept make him a great professor
Very knowledgeable in this area, friendly
Dr. Shao was very knowledgeable about all of the material and was never made me feel like I can't ask questions!
Good
Professor Shao built a complete deep learning knowledge network for me in this course, and taught me deep learning methods in the field of medical image processing from shallow to deep.
taking time to explain complex things in a more simpler and comprehensible manner
It is clear that Dr. Shao knows what he's talking about and conducts interesting research.
Enthusiastic with great knowledge and understanding of the topic. Overall, great assignments
He is very knowledgeable and up to date with the current SOTA methods in the field of medical AI. He discussed the topics eloquently by providing high level explanation and going through the nitty-gritty of the math behind it.
The teacher is very careful in class, and the homework is also very difficult for me to learn a lot

**What additional constructive feedback can you offer the instructor that might help improve the course?**

Comments
regarding the final project, more communication in person with online follow-up
The content of the lecture could be delivered more slowly.
The homework is so time consuming, and needs a large amount of calculate resource. They are too complicated.
I cannot think of any additional feedback, Dr. Shao was always very patient and understanding of the difficulty and complexity of the course and the topics discussed .
Add Code Explanation and homework solution
It would have been more beneficial if he had provided the assignment solutions after its conclusions and comments in the canvas portal regarding the submission.
Using canvas for communication in addition to teams more would be helpful.
It would be better to provide class recording in combination of attendance signup bonus so that attending physically is also required to some extent.
For Final Project , we can have 2 presentations , one showing midway progress and then another final presentation . In midway presentation we can expect inferencing of one base model.
None!
Nothing
Providing solutions to the homework is really important. Providing the graded quizzes is also important to know where you made a mistake.
The workload is exceptionally high, especially for a student who has two other classes and should do research as well. To gain a better understanding of each concept and be able to get into the details for learning those concepts better, it is essential to provide some time for each concept to be digested.
I think the course content taught by the teacher is very in-depth, and it is difficult to understand it quickly during class time. Therefore, I hope to record the course content and play it back for study after class.
NA
I entered the course extremely interested in the subject matter, but I must admit to having been bored for most of my time in the course. This is not because I did not learn anything new. The lectures just were not engaging, little effort was made to explain ideas in varying ways to reinforce education, and very little time was dedicated to explaining the reasons that we would apply different methods/techniques but instead just listed them.
The quizzes were memory based instead of application based. Can be designed better. Instead of asking about formulas, you can give the formula and ask for its workings. It was hard specially without statistics background to memorize all the formulas and terminologies.
None
everything is good

**What constructive suggestion(s) do you have for improving the course materials, organization, and assignments?**

Comments
n/a
Dr. Shao might consider engaging teaching assistants to conduct online sessions dedicated to explaining assignments. This approach would provide students with additional support and clarification, ensuring a more comprehensive understanding of the coursework.
Have more coding instructions.
In the first half of the course bonus points were offered on quizzes, but in the second half they were not. I would have liked for the bonus points to continued to be offered on quiz 3 and 4, especially due to the increase in difficulty of quiz content with much for the information and questions coming from the many equations discussed in those sections. As well as that, I would try to assign the last homework assignment so that the timeline does not overlap with the final project at the end of the semester.
Add Code Explanation
Overall we were able to dive into depth about various tools and algorithms available to solve medical image analysis. But mostly while performing the assignments, I felt like I didn't have the necessary resources to perform some of the trainings. I was running into different compatibility issues on hipergator whereas on my system it would be terribly slow. If perhaps we held particular sessions to fix these issues and demonstrate the training on hipergator it would have been beneficial.
For the assignments, a large amount of my time was spent configuring hipergator rather than actually doing the assignments, so streamlining that for the class would be helpful if possible.
Some assignments are time-consuming, and it would be better if the recording of the lecture is available for the class to review.
more code examples in class would be helpful
None, I like how the class is structured with assignments, quizzes, and a final project!
I think the workload of this course is a little bit heavy. It takes me more than 40 hours to complete each assignment, and due to insufficient computing resources, I have had to wait for more than 14 hours for a GPU, so I hope that in the future This course can be equipped with more computing resources.
NA
Make the homework assignments small group assignments.
Better quizz and homework make up is needed. Overall the structure of slides was helpful
None
everything is good ! ! !

**Please identify the topics and/or skills you learned in the course that you believe will have the highest application for future courses or professional growth.**

Comments
machine learning, understanding basic anatomical terms, ML model design, segmentation model training, processing medical imaging data, etc
3D Image Registration
Have a better understanding of the popular network, and have a chance to implement them.
This course discussed and taught some very important and applicable topics and skills such as deep learning, image analytics and construction, image analysis problem solving, and state of the art machine and deep learning models that will undoubtedly prove useful in my professional growth with the growing popularity of machine learning and artificial intelligence.
Various Machine Learning Models and Their usage
Image segmentation in my research
Deep learning, Knowledge of various models.
I had minimal exposure to cutting edge machine learning techniques in image processing before this class, so those skills are very valuable.
Image registration techniques, transform and GAN network.
Tools to analyze medical images like simpleITK. Understanding behind new Transformer networks and generative networks that are being widely researched upon, looked after skill.
image processing, deep learning, working with medical images
Practically everything in this course was useful for my future career
I learned the whole process of deep learning from data processing to model construction, loss function selection and parameter adjustment. I also learned common models for common medical image tasks such as image classification and image segmentation. I think this will be very important for my future study.
Indepth analysis of Medical Imaging, Deep learning Frameworks introduced for processing the same
Mathematical understanding of the math behind current DL methods and how these can be applied to solve challenges faced in medicine.
In the field of machine learning applications can be more understanding