

## Anonymous Extra Credit Student Survey Results:

### Attitudes about the “Students Teaching Students” Fall 2020 Project Implementation

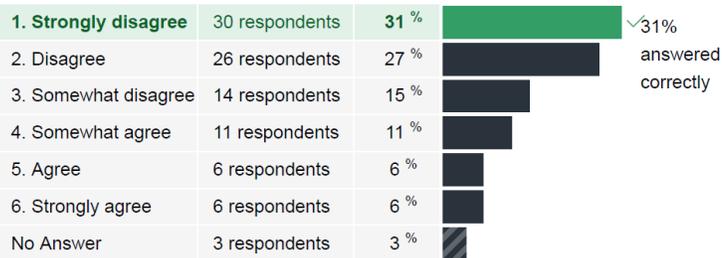
During the Fall 2020 Semester, freshman took an anonymous student survey about the project and other aspects of learning. Summary statistics and student comments on questions related to the project are provided below. Of particular interest was whether students felt that the “Students Teaching Engineering” was a worthwhile project even when many students were taking the class remotely and could not use the makerspaces. (The class was a mix of in-person and remote students.)

Please ignore the reference to “X% answered correctly” – this is an artifact of the CANVAS quiz system.

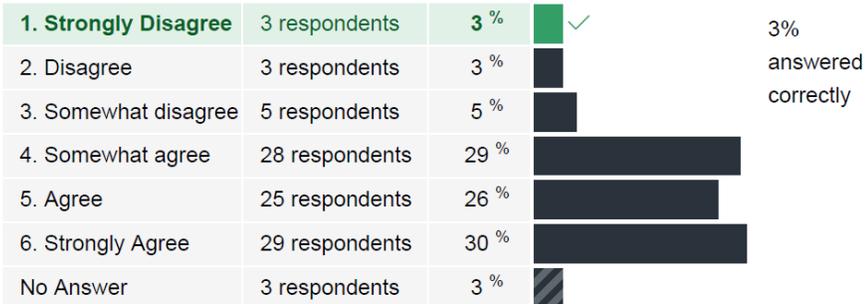
The “Students Teaching Engineering” project should have been cancelled this year because of COVID-19.

**+0.16**

Discrimination  
Index ?



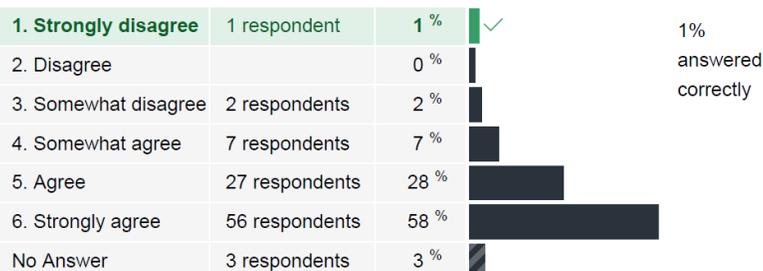
I learned more about the Florida Tech “making” facilities as a result of this project.



I liked the flexibility of the “Students Teaching Engineering” project- the fact that our team could decide what product to make.

**-0.08**

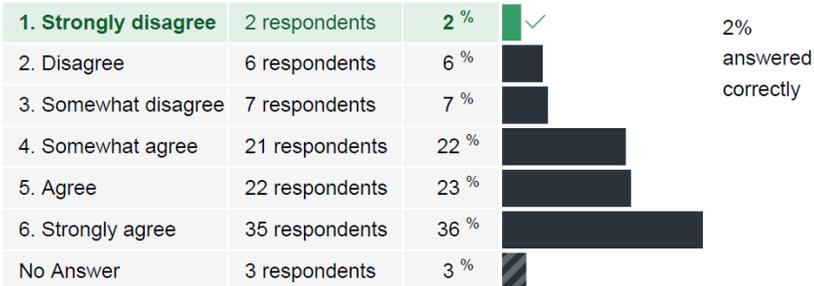
Discrimination  
Index ?



I liked the fact that this was a group assignment and I met other people in the class.

**+0.03**

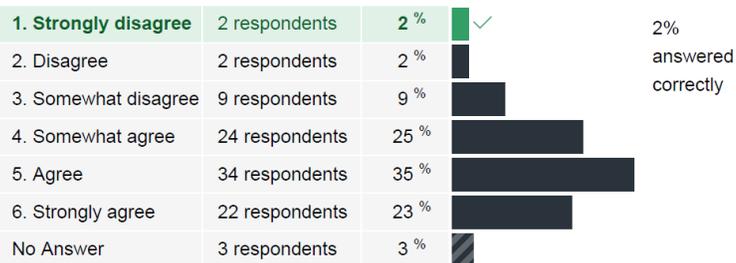
Discrimination  
Index (?)



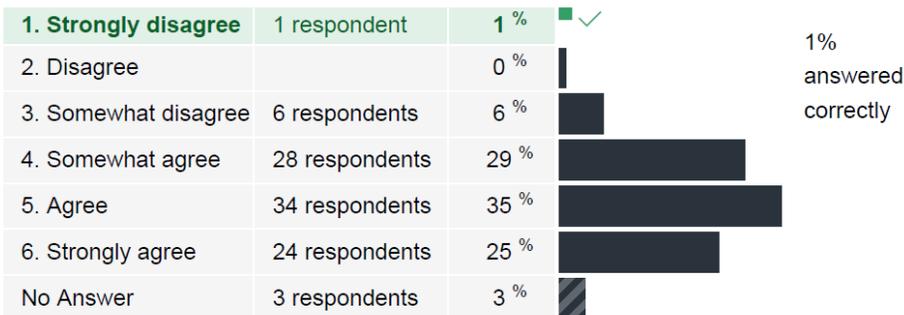
I liked the fact that the project required the group to teach someone an aerospace concept.

**+0.03**

Discrimination  
Index (?)



The project gave me more confidence in solving open-ended problems. (Open-ended problems are those that don't have one right answer)



**Do you have any comments about or suggestions on how to improve the Students Teaching Engineering project? (ALL responses included, including N/As or “no”)**

N/A

*I liked how the project was changed because of COVID-19, however, it was still pretty difficult to complete because of it. There was also some challenges getting my group to meet up and work on it, so if possible, giving us a workday, or helping us with a designated time to work would be appreciated.*

*I think the project went very well considering the limitations we all had due to social distancing and COVID, but even the few problems we did face I don't have any ideas as for how to solve them.*

*No, not in particular.*

*I think in all fairness that freshman are almost all gonna be unfamiliar with their school mates, so making the groups random adds that level of fairness*

*I think it was great just how it is!*

*Nothing in particular.. I believe the project was well executed*

*Just to point out that because of covid it got a little bit confusing.*

*The project was fine but wasn't very useful to me.*

*If there is a way to ensure those who do not actively participate or put in their fair share of work in the groups can be judged accordingly, that may make future endeavors with this project more fair.*

No

None

no

*No, I believe it was a well designed project, and I appreciate the accommodations made for dealing with COVID.*

*nope, the project went well, it would have been nice to find the L3Harris thing working, but we managed*

*I think that it could have been a little more involved on both ends (you and the groups) because It came to be to just get the project done rather than learning from the experience. Other than that I really enjoyed making the tool and working through the problems.*

no

*I don't really have anything to contribute, it was a good assignment and I enjoyed it, though I wish that I had done more.*

*I genuinely believe the course structure and instruction are great, and I personally do not see anything that should be changed.*

*No it was good.*

*no not particularly, a better communication method would be nice though. students who where off campus might have found it a little difficult.*

no

*I liked how you had to write about what you did to teach someone else about the concept.*

*I think it works great as is.*

*I currently have no comments. I really enjoyed this project all-around and I thought that Dr. Demoret was awesome about everything!*

*I thought the project was good. However, as a remote student due to COVID it was hard to really participate in it. In any other semester I am sure I would have loved it!*

*Nope*

*No*

*I think things would have been easier if we weren't in a pandemic.*

*I wish we didn't have Covid so it could have been more in person, but I greatly enjoyed the project and learned a lot!*

*I wish me and my team could have actually met in person, as it was a bit disconnecting when talking over discord. I think that meeting each other would have kept us more focused and on top of our game.*

*Unfortunately, my original assigned team was not very communicative, which led me to migrate to a different team. My secondly assigned team was a bit more communicative, however, not to the extent to which I would have preferred.*

*I feel as though I did the majority of the technical work, which overwhelmed my academic workload and I could not perform as I would have liked to.*

*I believe that the implementation of a progress report could be a good way to encourage students to keep communication constant and inspire more accountability with the workload.*

*No.*

*I would have liked some examples in the beginning of the project, because I personally wasn't quite sure what could be used to teach a concept. Maybe it was just me but it was very difficult for me to come up with my own idea.*

*I think the project went well and was well explained and easy to follow.*

*I liked the Student's Teaching engineering project. It forced me to look at a different aspect of Aerospace and learn more about it than I would have.*

*None*

*no*

*Some group members were actively participating for the first part and did not really contribute in the second part. I feel that maybe the whole project should not be split up because of this.Â*

*I do not have anything to add*

*no*

*The class is very interesting and engaging. Dr. Demoret has a passion for the course and it reflects in the way she teaches. Definitely makes you feel a part of the class.*

*More students can be in each group in order to meet more people*

*No*

*No*

*Overall, I believe that the project was fantastic and very fun to do, and much more would have been accomplished if it was a normal academic year. The only gripe that I could have about the project would be attempting to work with*

*students who were currently not on campus. No discredit to students who were unable to join us on campus, however when most of the group is already on campus, and the last member is in a completely different time zone, it is difficult to properly get work done.*

*Make more guidelines for the visual aid rather than just throwing it out and just say "do it".*

*No*

*we should have someone to teach, it is not right to teach a random person about something we are not sure if it is right. Besides, how can we find audience.*

*It was great that a flexible alternative to a design project was conducted despite COVID-19. Dr. Demoret was comprehensive with the situation and made it a fun project to work on as she gave alternatives when problems related to COVID-19 were presented.*

*no*

*I liked the idea that it was a group project but it at times was very difficult to get in contact with the group members that are not on campus. Many of my group members did not participate until the very end of the project and there was not much left to do when they were ready to help. I found myself completing most of the project with little help from 2 of the group members.*

*no*

*No, I feel as though the project was well thought out.*

*As a result of COVID, I was unable to experience the project and all it has to offer/teach. However, I really enjoyed it and it helped me to look out to possible fields of study. The project was a great time, and I believe that it should be continued.*

*No suggestions, the project was fun.*

*There is nothing really that should be improved about the "Students Teaching Engineering" project, I think the way it is is already perfect*

*No, I honestly thought the guidelines and open-ended nature of the project were perfect.*

*Nothing I can think of at this time.*

*In my opinion, the project was the best or as close to the best it could be this year with the current world situation with covid-19.*

*none*

*I really liked the outcome of this project! It taught about not only solving open-ended questions, but working with a group in abnormal times. It was difficult as we were all busy, but we still got the job done, and learned lessons to help us succeed in the future.*

*There should be more accountability for who does what work, for example, one of my partners and I spent 4.5 hours straight trying to finish the project and we got no help from the other two.*

*In general, COVID is affecting everyone and we every day it in the project because it wasn't like projects before it was very rushed through. It was sad we couldn't actually present in person and teach others face to face*

*Good design. Keep as is. Require more in person (situation permitting) meeting.*

*the students have to meet and decide what we can we can do in FIT.*

**Do you have any other comments you'd like to make related to the questions above, or suggested improvements for the class overall?** (ALL responses included EXCEPT N/A or “no”)

*I really enjoyed the class and learning about Space and Flight history.*

*I'm unsure of how class would normally operate, but if its possible maybe frequent smaller projects could be assigned on a weekly/biweekly schedule. These could provide more opportunities for students to make sure they know a part the content themselves, enough to teach it to other students, and to promote student networking in and outside of class. I still enjoyed the class and project the ways they were presented though!*

*I would have liked to cover what it is really like to be an engineer. What you would do on a daily basis, the math you would be using, the projects you would be working on, etc.*

*I love the way this class was taught and I am grateful for the opportunity to work on the student engineering project. I hope to participate in other collaborative projects like this in the future*

*the only thing is that it would have been perfect but covid and social distancing made it all more challenging*

*The class itself was really wonderful. Dr.Kimberly is a great instructor and have great experience. She is also very understanding and kind.*

*I really enjoyed the class and I am thankful for Dr. Demoret who helped me through many troubles that I had.*

*No I think that this class was very informative and I was fortunate to have a somewhat solid understanding of the concepts before hand, as I am sure most of the other students have as well.*

*I believe the class is great, and I really enjoyed my time in it. Â Thank you for a fun first semester.*

*I have no comments at the moment. I overall really loved this class and felt that Dr. Demoret was awesome!!!*

*No, I loved the class and I looked forward to it every Friday!*

*I adored this class, and am so glad that I took this class, your quizzes were straightforward, your lectures informative, and our project helped me get acquainted with so much that FIT has to offer.*

*I only have to say that this was a very good learning experience overall. If only we could have been more active if it weren't for COVID, I would have definitely been more active as a result.*

*The Panopto platform has proven to have a few audio flaws. I highly suggest the implementation of subtitles to aid with the echo that sometimes occurs whenever a professor speaks. This implementation will also aid those students that may have difficulties with listening (ie. folks who may be deaf.).*

*I love the class and I learned a lot.*

*Overall I enjoyed the class. I think it was a great into to aerospace.*

*The class was really great and it helped me learn more about aerospace engineering.*

*The only thing that I think should improve in this class is your microphone sound in the lecture. I attended almost all my classes via Zoom and the only issue I had is that your voice has some eco which makes it harder to listen to you carefully. Other than that I really learned and enjoyed this class, as a matter of fact, it's my favorite this semester.*

*Thank you so much and best wishes,*

*The class is great, even as a remote student*

*Great, fun, interactive class*

*Other than my singular issue with the "Student Teaching Engineering" project, the course was very educational.*

*no, great class!*

*I thoroughly enjoyed the class!*

*Thank you*

*The class was great! Dr. Demoret taught the content thoroughly and efficiently. It gave us the base we should have as future engineers.*

*The class was very fun, all I would recommend is make it more engaging.*

*Group work is an important aspect for team building and leadership skills.*

*Overall I don't think much should be changed in this class, it as a great semester.*

*The class was very fun and educational. The engineering project was a great way to expose students to hands-on learning and teamwork.*

*no, the class was the best it could have been with the current covid situation.*

*More hands-on experience would have been nice, but I guess that couldn't have happened anyway because of COVID. This class was very well done overall, though.*

*This class was really great! Great job!*

*Sustain: Provides wide breath of history and current trends. Sustain :Spending time on ethics and personal development. Sustain: Group Project in any form. Improve: Essays. Make longer requirements and require critical assessments to be made about subject matter.*

*thanks*