

What did you find most interesting to learn from this course?

the block diagrams and loops were pretty cool

using the matlab language

I really enjoyed learning how to use the Arduino and Matlab interfaces. Specifically, I liked experimenting and coding my osoyoo robot. Observing the concepts we learned in class come to life was absolutely astounding.

learning about the different types of uncertainties

using mathematics/matlab to simulate real life systems that I didn't previously think about the control behind

I enjoyed the hands-on experience with building the robot and coding on MATLAB.

I really enjoyed learning about the various types of control and then representing in the control diagrams because I am a visual learner.

I enjoyed finding fixed points and working with some of the more mathematical concepts.

Building a robot!

What did you find most interesting to learn from this course?

Building a car

Learning about the real world examples of control

The use of matlab to simulate and program real machines

different types of stability + visualizing them in Matlab, also finding fixed points and the stability of those fixed points :)

I found that the applications of a feedback controller like a PID in the robots that we built, seeing it all come together, was the most interesting part.

Porportional Integral Derivative control (PID). Will definitely try to implement it in my team's robot for next season!

I found that the Matlab assignments were the most interesting to learn about from this course. I liked to see how each part of the code affected the end result and being able to plot and visualize each problem.

what each individual piece of a control system is, and comparing it to that of systems that we understand, such as the car example

The thing I found the most interesting was the fixed points, state space, and stability. It really quantified the difference between unstable and stable. I feel like after learning about fixed points the concept of oscillations make more sense.

What did you find most interesting to learn from this course?

I think the most interesting thing that we learned in this course was state space and the calculations for it. I also really enjoyed learning about mixed control loops.

I liked learning about the different types of control and using matlab to actually apply the concepts we learned. I also liked plotting out data and using these graphs to see if systems are stable or not (and what type of stability)

I found the dynamics the most interesting in this course. I enjoyed learning about the different control methods and how we can use previous data and sensor inputs to make the output more accurate.

I liked testing out what we learned in MatLab.

I really enjoyed being able to apply the concepts we learned during the lectures to real MATLAB applications and manipulating code. I also really liked learning about the purpose of block diagrams and all the components that are used to make one.

How do you think this course will help you in future?

it will probably help me with thinking outside of the box

i think i will be able to apply the things i learned to future careers

I think the exposure to matlab will help me in the future

I know how feedback loops and diagrams work now. I will be able to use them for future projects.

learning about how to design the different types of control systems might help me in designing controllers for robots in the future

It gave me a basic understanding of control in robotics

In the future, I hope to build robots that can evolve our world. This course has given me a solid foundation in the realm of robotics and feedback control. I will carry on the knowledge I obtained and use it to start my own projects.

I think that if I decide to pursue a career in engineering or robotics, I will have some knowledge of how robots work. I may consider a career in mechanical engineering, as building the robot was fun and inspired me to do it at home.

I definitely feel more comfortable with some of the jargon used when referring to control concepts.

How do you think this course will help you in future?

In the future, I would like to continue pursuing robotics and I believe that knowing how to properly control the robot can help me with challenges in my robotics team as well as future endeavors.

I think it will help me better understand the system of a robot and how to make them more autonomous

using control systems and sensors to help with improving a robot's performance

Being able to represent functionalities of a robot mathematically will definitely help me if I were to go into engineering.

Stability gave me insight why systems were designed a certain way. I feel like I can apply this knowledge in the future by weighing the amount of control and amount of stability a system needs.

I think it will really help me determine how to design a feedback system now that the components have been broken down in this class. I feel like fixed points, block diagrams, signals, and stability are all really important to building a good system.

I'm not sure how this course may directly help me in the future

I think this course has really interesting lectures that provide background knowledge for future college classes. It provided a brief overview and a head start for this topic.

greater conceptual knowlege

How do you think this course will help you in future?

The knowledge that I gained about feedback systems, a topic that I became interested in because of this course, was interesting to learn about and something that I can use in the future. Each example used in the slideshow reinforced my knowledge.