

## CENG 5435/4391: Robotics and ROS

CENG 5435 AGENDA AUGUST 22, 2022

### **WELCOME**

### **REMIND ME TO RECORD SESSION**

EXPLANATION OF SETUP

BLACKBOARD/Zoom

CLASS WEBSITE (HARMAN WEBSITE)

<https://sce.uhcl.edu/harman/>

### **SHARE SCREEN FOR WEB SITE**

### **F11 For Full Screen in Chrome**

EXPLAIN WEBSITE



AGENDA INTRODUCTION TO CRS

## **Center For Robotics Software**

### Dr. Thomas L. Harman WEBSITES

<https://www.uhcl.edu/center-robotics-software/>

### **RECORD OFF**

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The course presents a study of techniques applied to the study of robotics. The purpose is to introduce the students to the use of the Robot Operating System and the techniques necessary to program and control real robots such as Baxter, mobile robots such as Turtlebot, and flying robots such as Bebop.

### **RECORD ON**

SYLLABUS – GENERAL DISCUSSION OF COURSE

TEXTBOOK ON LINE

LET'S INTRODUCE OURSELVES:

TOM HARMAN CV AND EXPERIENCE

YOUR TURN –STUDENTS TODAY.

Homework: [HomeworkEssayRequirements](#)  
HW1

## CENG 5435: Robotics and ROS

The purpose is to introduce the students to the use of the Robot Operating System

and the techniques necessary to program and control real robots.

Textbook for Course [RosRoboticsByExample](#) Text

<https://www.uhcl.edu/center-robotics-software/>

Syllabus CENG 5435 Fall2022 [FinalReportGuideLines](#)

Homework: [HomeworkEssayRequirements](#)  
HW1

Agenda\_August\_22\_2022 [Introduce Ourselves](#)

[RobotsToAdmire](#) [ROS\\_Robots\\_Working](#) [BriefHistoryOfRobotics](#)

[WhatIsROS1-etc](#) [ROS1\\_Robots\\_Mostly](#) [ROS&People](#)

[FetchRobotics](#)

[IEEE ROS 2013](#) [ROS Original Design Quigley](#)

[UHCL Videos of Interest](#)

[ROS ROBOTS Local](#)

[ROS Ubuntu Distributions](#) [ROS 2021 Metrics Report](#)

[ROS Data&Information](#) [ROSI&ROSM](#)

[ROS Conferences](#)

[WHY ROS2](#) [ROS2 References](#)

[ROS1 ROS2 TURTLESIM BRIEF DEMO](#)