

COLLEGE OF ENGINEERING HONORS SYLLABUS

COURSE: ME 36500: Systems, Measurements, and Control I

ACADEMIC PERIOD: Fall 2021

HONORS CONTRACT OBJECTIVES

Students completing ME 365 with an honors contract will also complete a project as part of the course. For Fall Semester 2021, it is anticipated that student projects will involve converting Labview based myRIO lab exercises and/or myRIO homework assignments for use with another programming language (e.g., C, python, matlab).

HONORS CONTRACT DELIVERABLES

The final deliverable would be the exercises/assignments rewritten for the new language and the associated code that completes the exercise/assignment. Both the rewritten exercises/assignments and the associated code should be formatted using the course standard discussed in class.

HONORS CONTRACT DEADLINES

All assignments and code must be submitted to the instructor via email no later than 5:00 on the Friday of Dead Week.

HONORS CONTRACT EXPECTATIONS

For this project, all students with an honors contract will meet with their instructor for about one hour each week throughout the semester. As part of this meeting, students will submit a short one-page memo summarizing their weekly progress and plans for the project (worth 75 pts).

HONORS GRADING SCHEME

A total of 1125 points are available during the semester:

Midterm Exam 1	125 pts
Midterm Exam 2	125 pts
Final (Comprehensive)	200 pts
Pre-lecture Quizzes	75 pts
Regular Homework	175 pts
myRIO Homework	75 pts
Laboratory Exercises	225 pts
Honors Contract Project	125 pts
TOTAL	1125 pts

Scores are not curved; a straight scale is used: 97-100% A+; 93-97% A; 90-93% A-; 87-90% B+; 83-87% B; 80-83% B-; 77-80% C+; 73-77% C; 70-73% C-; 67-70% D+; 63-67% D; 60-63% D-; <60% F.