1. Wednesday Jan. 22 Introduction 1
2. Monday Jan. 27 Introduction and Block diagrams 1, 2
3. Wednesday Jan 29 First-order systems 5
4. Monday Feb 3 Block diagrams 2
5. Wednesday Feb 5 Second-order systems 5
6. Monday Feb 10 Second-order systems 5
7. Wednesday Feb 12 Second-order systems 5
8. Monday Feb 17 Types of control actions 5
9. Wednesday Feb 19 Stability analysis with the Routh array 5
10. Monday Feb 24 Steady-state error 5
11. Wednesday Feb 26 Steady-state error 5
12. Monday Mar 3 Test 1, Chapters 1, 2, and 5
13. Wednesday Mar 5 Introduction to pole movement, the root locus 6
14. Monday Mar 17 Root locus 6
15. Wednesday Mar 19 Root locus 6
16. Monday Mar 24 Introduction to compensator design 6
17. Wednesday Mar 26 Compensator design using root locus 6
18. Monday Mar 31 Compensator design using root locus 6
19. Wednesday April 2 Compensator design using root locus 6
20. Monday April 7 Polar plots and the Nyquist stability criterion 7
21. Wednesday April 9 Review of Bode plots 7
22. Monday April 14 Test 2 Chapters 6 and 7
23. Wednesday April 16 Relative stability, gain and phase margins 7
24. Monday April 21 Gain and phase margins 7
25. Wednesday April 23 Compensator design using Bode plots, phase lag 7
26. Monday April 28 Compensator, complete phase lag, begin phase lead 7
27. Wednesday April 30 Compensator design, complete phase lead 7
28. Monday May 5 Compensator design, phase lead-lag combination 7

Final Exam  Wednesday May 7, 10:30 to 1:15 am,
Office Hrs      Tuesday 1:15 to 2:15pm and Wednesday 2:45 to 4:15pm
HOMEWORKS and Due Dates

1. Wednesday Jan 29 B 2.4
2. Wednesday Feb 5  B 2.1, 2.2, 2.3, 5.1
3. Wednesday Feb 12 B 5.2, 5.3, 5.5, 5.9, 5.12, 5.13
4. Wednesday Feb 19 B 5.15, 5.20, 5.21, 5.22, 5.23, 5.24
5. Wednesday Feb 26 B 5.26, 5.27, 5.28
6. Wednesday Mar 5 B 6.1, 6.2, 6.5, 6.6
7. Wednesday Mar 19 B 6.11, 6.12a, 6.14, 6.18
8. Wednesday Mar 26 B 6.19, 6.20
9. Wednesday April 2 B 6.21, 6.23, 6.28
10. Wednesday April 9 B 7.16, 7.18, 7.24, 7.25
11. Wednesday April 16 B 7.31, 7.34
12. Wednesday April 23 B 7.33

Project assignments will be emailed to the class as well as being posted on the class website.

Important Dates

Monday Mar 3, Test 1
Wednesday, Mar 26 Project 1 due
Monday April 14, Test 2
Monday April 28 Project 2 due
Wednesday May 7 Final Exam

Grading

Test 1 25%
Test 2 25%
Homework 10%
Project 1 5%
Project 2 5%
Exam 30%