

NONLINEAR CONTROL

Lecture Plan (50-minute lectures)

Lecture #	Topic	Textbook Chapter
1	Introduction	1
2	Two-dimensional systems	2
3		
4	Stability of equilibrium points	3
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7		
8	Time-varying & pert systems	4
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10		
11		
12	Passivity	5
13		
14	Input-output stability	6
15		
16	Stability of feedback Systems	7
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20	Special nonlinear forms	8
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23	State feedback stabilization	9
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27	Robust SF stabilization	10
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30		
31	Observers	11
32		
33	Output feedback stabilization	12
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35		
36	Tracking & Regulation	13
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Textbook: H.K. Khalil, Nonlinear Control, Pearson Education, Upper Saddle River, New Jersey, 2015