



Satuan Acara Pengajaran

ENEC802006 - Kendali Adaptif dan Optimal

Pengajar

Dr. Abdul Halim M.Eng.

Minggu 1

Materi	Optimal Control : Introduction
Media	Komputer, Slide, LCD projector
Referensi	1. Ioan Dorcu; Landau et al, Adaptive Control: Algorithms, Analysis and Applications, Second Edition, Springer, 2011 2. Desineni Subbaram Naidu, Optimal Control System, CRC Press 2003
Aktivitas	Kuliah Interaktif

Minggu 2

Materi	Optimization
Media	Komputer, Slide, LCD projector
Referensi	1. Ioan Dorcu; Landau et al, Adaptive Control: Algorithms, Analysis and Applications, Second Edition, Springer, 2011 2. Desineni Subbaram Naidu, Optimal Control System, CRC Press 2003
Aktivitas	Kuliah Interaktif

Minggu 3

Materi	Calculus of Variations
Media	Komputer, LCD projector, Slide

Referensi 1. Ioan Dor&acut Landau et al, Adaptive Control: Algorithms, Analysis and Applications, Second Edition, Springer, 2011
2. Desineni Subbaram Naidu, Optimal Control System, CRC Press 2003

Aktivitas Kuliah Interaktif, tugas

Minggu 4

Materi Hamilton-Jacobi-Bellman Equation

Media Komputer, LCD projector, Slide

Referensi 1. Ioan Dor&acut Landau et al, Adaptive Control: Algorithms, Analysis and Applications, Second Edition, Springer, 2011
2. Desineni Subbaram Naidu, Optimal Control System, CRC Press 2003

Aktivitas Kuliah interaktif, tugas

Minggu 5

Materi Variation of Optimal Control Problem

Media Komputer, LCD projector, Slide

Referensi 1. Ioan Dor&acut Landau et al, Adaptive Control: Algorithms, Analysis and Applications, Second Edition, Springer, 2011
2. Desineni Subbaram Naidu, Optimal Control System, CRC Press 2003

Aktivitas Kuliah interaktif, tugas

Minggu 6

Materi Optimal State Feedback Control Design

Media Komputer, LCD projector, Slide

Referensi 1. Ioan Dor&acut Landau et al, Adaptive Control: Algorithms, Analysis and Applications, Second Edition, Springer, 2011
2. Desineni Subbaram Naidu, Optimal Control System, CRC Press 2003

Aktivitas Kuliah, tugas

Minggu 7

Materi	Optimal Output Feedback Control Design
Media	Komputer, LCD projector, Slide
Referensi	1. Ioan Dor´ Landau et al, Adaptive Control: Algorithms, Analysis and Applications, Second Edition, Springer, 2011 2. Desineni Subbaram Naidu, Optimal Control System, CRC Press 2003
Aktivitas	Tugas, kuliah

Minggu 8

Materi	Ujian Tengah Semester
Media	
Referensi	
Aktivitas	

Minggu 9

Materi	Introduction to Adaptive Control
Media	Komputer, LCD projector, Slide
Referensi	1. Ioan Dor´ Landau et al, Adaptive Control: Algorithms, Analysis and Applications, Second Edition, Springer, 2011 2. Desineni Subbaram Naidu, Optimal Control System, CRC Press 2003
Aktivitas	Kuliah, tugas

Minggu 10

Materi	Discrete-Time System Models for Control : Review
Media	Komputer, LCD projector, Slide
Referensi	1. Ioan Dor´ Landau et al, Adaptive Control: Algorithms, Analysis and Applications, Second Edition, Springer, 2011 2. Desineni Subbaram Naidu, Optimal Control System, CRC Press 2003
Aktivitas	Kuliah interaktif, tugas

Minggu 11

Materi	Parameter adaptation algorithms
Media	Komputer, LCD projector, Slide
Referensi	1. Ioan Dor&acut Landau et al, Adaptive Control: Algorithms, Analysis and Applications, Second Edition, Springer, 2011 2. Desineni Subbaram Naidu, Optimal Control System, CRC Press 2003
Aktivitas	Kuliah interaktif, tugas

Minggu 12

Materi	Recursive Plant Model Identification in Open Loop
Media	Komputer, LCD projector, Slide
Referensi	1. Ioan Dor&acut Landau et al, Adaptive Control: Algorithms, Analysis and Applications, Second Edition, Springer, 2011 2. Desineni Subbaram Naidu, Optimal Control System, CRC Press 2003
Aktivitas	Kuliah interaktif, tugas

Minggu 13

Materi	Recursive Plant Model Identification in Closed Loop
Media	Komputer, LCD projector, slide
Referensi	1. Ioan Dor&acut Landau et al, Adaptive Control: Algorithms, Analysis and Applications, Second Edition, Springer, 2011 2. Desineni Subbaram Naidu, Optimal Control System, CRC Press 2003
Aktivitas	Kuliah interaktif, tugas

Minggu 14

Materi	Direct Adaptive Control
Media	Komputer, LCD projector, slide

Referensi 1. Ioan Doré Landau et al, Adaptive Control: Algorithms, Analysis and Applications, Second Edition, Springer, 2011
2. Desineni Subbaram Naidu, Optimal Control System, CRC Press 2003

Aktivitas Kuliah interaktif, tugas

Minggu 15

Materi Indirect Adaptive Control

Media Komputer, LCD projector, slide

Referensi 1. Ioan Doré Landau et al, Adaptive Control: Algorithms, Analysis and Applications, Second Edition, Springer, 2011
2. Desineni Subbaram Naidu, Optimal Control System, CRC Press 2003

Aktivitas Kuliah, tugas

Minggu 16

Materi Ujian Akhir Semester

Media

Referensi

Aktivitas
