

Silabus Mata Kuliah Pilihan (Teknik Kontrol)

Mata Kuliah	:	Sistem Kendali Multivariabel
Kode	:	E113922
Silabus	:	Pendahuluan SKM, Representasi sistem dalam ruang status, Solusi Persamaan Status Tidak berubah terhadap waktu, Keterkendalian, Keteramatan, Penempatan Kutub, Perancangan SKM dengan umpan balik status, Perancangan Pengamat Status, Simulasi SKM, Implementasi SKM dengan umpan balik status dan Pengamat Status.
Luaran	:	Explain A Perspective on State Space Design and Advantages of State Space, Represent a System in Canonical Form: Controllable-Observable-Diagonal-Jordan Form, Compute the transformation of System Model, Compute the Solution of Homogeneous State Equation, Compute the Solution of Non-Homogeneous State Equation, Determine the Controllability of a system, Determine the Observability of a system, Select of Pole Location for good design, Apply the design Method with Pole Placement, Determine of Matrix K Using Transformation Matrix-Direct Substitution-Ackermann's Formula, Apply the design procedure of Servo System, Apply the design procedure of Full Order Observer, Apply the design procedure of Minimum Order Observer , Apply the design procedure of regulator system, Apply the design procedure of tracking System , Simulate the Multivariable Control System with State Feedback , Simulate the Full Order Observer and Minimum Order Observer, Implement the Multivariable Control System with Observer and State Feedback
Syarat/ PraSyarat MK Lain	:	Sistem Kendali
Alokasi	:	16 kali pertemuan
Sumber Pustaka	:	