EEE.8-1.3 Advanced Automatic Control Systems

1st Module: State-space representation and analysis
2nd Module: State transition matrix
3nd Module: Canonical forms
4th Module: Characteristic equation, eigenvalues and eigenvectors
5th Module: Controllability of linear systems
6th Module: Observability of linear systems
7th Module: Lyapunov stability methods
8th Module: Pole-placement design by state feedback techniques
9th Module: State feedback with integral control
10th Module: Transient response analysis
11th Module: Optimal control