

MODULE HANDBOOK DESCRIPTION

	The Students able to design and carry out experiments PLO 5
	using basic and modern technical tools and analyze
	and interpret data based on the correct methodology to
	strengthen engineering assessments
Content	Introduction to Industrial Electronics Devices, Operational Amplifiers
	in Industrial Application, Modulation Techniques and Applications on
	Inverters, Power Electronics Devices and Their Applications, Power
	Converter, Power Supply, Basic device controller, Applications of
	Artificial Intelligence in Industry, Motor Settings and Applications,
	Servo Motor Settings, Digital Systems and their Applications, Digital
	Systems and their Applications.
Examination forms	- Collecting a portfolio after finishing each topic, in the form of
	voice recordings and working on practice assignments
	- Midterm and final test
Study and examination	The final grade in the module is composed of:
requirements	a. The portfolio of 10 topics is 11,67% each, for a total of 75%
	b. Midterm assessment: 10%
	c. Final assessment: 15%
	Students must have a final grade of 65% or higher to pass
Reading list	1 Industrial Electronics and Robotics Charles A Schuler 1986
	1. Industrial Electronics and Robotics, Charles A. Schuler, 1960
	McGraw-Hill
	 McGraw-Hill Sapiie Soedjana, (1976).Pengukuran dan Alat-Alat Ukur Listrik,
	 Industrial Electronics and Robotics, Charles A. Schuler, 1980 McGraw-Hill Sapiie Soedjana, (1976).Pengukuran dan Alat-Alat Ukur Listrik, Jakarta, PT. Pradnya Paramita,Jakarta.
	 McGraw-Hill Sapiie Soedjana, (1976).Pengukuran dan Alat-Alat Ukur Listrik, Jakarta, PT. Pradnya Paramita,Jakarta. Thomas Floyd, David Buchla, 2003, <i>Fundamentals of Analog</i>
	 McGraw-Hill Sapiie Soedjana, (1976).Pengukuran dan Alat-Alat Ukur Listrik, Jakarta, PT. Pradnya Paramita,Jakarta. Thomas Floyd, David Buchla, 2003, <i>Fundamentals of Analog Circuits, second edition</i>, Prenhall Inc. New Jersey, USA
	 Industrial Electronics and Robotics, Charles A. Schuler, 1980 McGraw-Hill Sapiie Soedjana, (1976).Pengukuran dan Alat-Alat Ukur Listrik, Jakarta, PT. Pradnya Paramita,Jakarta. Thomas Floyd, David Buchla, 2003, <i>Fundamentals of Analog</i> <i>Circuits, second edition,</i> Prenhall Inc. New Jersey, USA