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جامعة المنوفية كلية الهندسة الإلكترونية قسم هندسة الالكترونيات الصناعية والتحكم



Course Syllabus

Department offering the program:Industrial electronics and Control EngineeringDepartment offering the course:Industrial electronics and Control Engineering

Course basic information :		
Course Code: AC348	Course Title: Industrial Electronics	Level: (3) Semester:2
Department requirement	Teaching hours: Lecture [3]	Tutorial [2] - Lab [0]
Course Objectives Course Contents	design of industrial electro 2. To study power diodes cha 3. To analyze thyristors (Dia PUT, with applications. 4. Having acquired good kno 5. To study switching circuits 6. To study single and three p	racteristics. ac – SCR – Triac – ect.),UJT, wledge of firing circuits. s, and protection. bhase controlled rectifiers. wledge AC voltage controllers. as of motor drive systems. c, SCR, and triac. – Firing, Single and three phase
	control- loading cases).	ogulators (e) ere control phase
Assessment		
Weighting of Assessment	- Class tutorial and quizzes: - Mid-term examination: - Case study and/or practical exam	8 % 16 % n: %
	- Final – term examination:	68 %
	- Other types of assessment:	8 %
	School types of assessment.	Total 100 %
List of text books and	references:	
Text books	BISWANATH PAUL "Inc Control", Wiley and Sons,	



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	Muhammad H. Rashid "Power Electronics: Circuits,"
Recommended books	Devices & Applications "(4th Edition), PHI Learning Pvt. Ltd, Jul 29, 2013.

