

University of Diyala Academic year 2020-2021 Department: Physics

College of sciences

Stage: Second

Course name: electronic of symmetry

Course: Second Course Code

Number of units: 3

Number of hours:3

Theoretical: 3

Practical: -

Syllabus details

No	Details	Weeks
1.	Introduction to Electronics	1
2.	Diodes and applications	2
3.	Special-Purpose Diodes	3
4.	Bipolar Junction Transistors (BJTs)	4
5.	exam of first month	5
6.	Transistor Bias Circuits	6
7.	BJT Amplifiers	7
8.	Power Amplifiers	8
9.	Field-Effect Transistors (FETs)	9
10.	FET Amplifiers and Switching Circuits	10
11.	exam of second month	11
12.	Voltage Regulators	12
13.	Thyristors	13
14.	Oscillators	14
15.	Basic Op-Amp Circuits	15
16.	final exam	16

No.	The References
1	Books Required reading Thomas L. Floyd, Electronic Devices: Electron Flow Version, 9th edition, Pearson Education, Inc., Upper Saddle River, New Jersey, 2012 https://www.academia.edu/41506690/Electronic_devices_9th_edition_by_floyd
2	1- .Online Instructor's Manual for Electronic Devices and Circuit Theory Eleventh Edition Robert L. Boylestad Louis Nashelsky https://bank.engzenon.com/tmp/5e713410-cc98-4dbe-bba5-4a01c0feb99b/5e8a545b-5ab8-4075-adf4-4fb0c0feb99b/Electronic_Devices_and_Circuit_Theory_11th_Boylestad_Solutions.pdf

	2- ELECTRONIC DEVICES AND CIRCUIT THEORY ROBERT BOYLESTAD LOUIS NASHESKY
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Lecturer: teacher :. Zaid abdulhadi abed