

Republic of Iraq
The Ministry of
Higher Education
&Scientific Research

بسم الله الرحمن الرحيم



University: Kerbala
College: Education for Pure Sciences
Department: physics
Stage: second
Lecturer name: Ahmed kheralla
shaheed
Qualification: Ph.D
Place of work: kerbala

Flow up of implementation celli pass play

Course Instructor	Dr.Ahmed kherallah shaheed				
E-mail	Ahmed2008edu@yahoo.com				
Title	Electricity and magnetism(2)				
Course Coordinator					
Course Objective	To learn the students the principle of the physical in the magnetic field and electricity				
Course Description	The subject content the principles in the magnetic field and interaction with electrical field to make in finally electromagnetic waves				
Textbook	Physics for scientists and engineers(9 th ed) By serway.R.A&Jewett.J.w.(2015)				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	(24%)	(16%)	(10%)	—	(50%)
General Notes					

Course weekly Outline

Week	Date	Topics Covered	Lab. Experiment Assignments	Note
1	5/10/2017	CH1:Magnetic force	1-Determine the	
2	12/10/2017	Magnetic flux Φ	magnetic field	
3	19/10/2017	Magnetic force acting on -	By using circular coil	
4	26/10/2017	The charge particle		
5	2/11/2017	Cyclotron	2-the transformer	
6	9/11/2017	Hall effect		
7	16/11/2017	CH2:the effect of the magnetic-		
8	23/11/2017	Field on the current-	3-wave rectification	
9	30/11/2017	-currying conductor		
10	7/12/2017	Duple effect on the coil -	4-the magnetic field	
11	14/12/2017	Passing through its	For strength wire	
12	21/12/2017	Electrical current		
13	28/12/2017	Magnetic resonance imagine		
14	4/1/2018	CH3:Electromotive force	5-resonance frequency	
15	11/1/2018	Farady's law of induction	Feed back	
16	18-30/1/2018	Motional e.m.f	test	
Half – year Break				
17	15/2/2018	Lenz's law	1-Hall effect	
18	22/2/2018	Induced electrical-		
19	1/3/2018	Field-	2-resonance frequency for parallel circuit	
20	8/3/2018	Maxwell's equation		
21	15/3/2018	CH4:motional e.m.f		
22	22/3/2018	Generators		
23	29/3/2018	CH5:Inductance	3-solar cell	
24	5/4/2018	Exampls		
25	12/4/2018	RL circuits	4-magnetic force	
26	19/4/2018	Energy in the magnetic field		
27	26/4/2018	RLC circuit		
28	3/5/2018	Alternating current circuit		
29	10/5/2018	Resistors in AC circuit	5-Hysteresis	
30	17/5/2018	Power in AC circuits		
31	24/5/2018	Transformer and power	Feed back	
32	26/5/2018	Electromagnetic waves	test	

