**University of Anbar** 

**College of Science** 

**Department of Applied Geology** 

**Fourth Year** 

**Electromagnetics** 



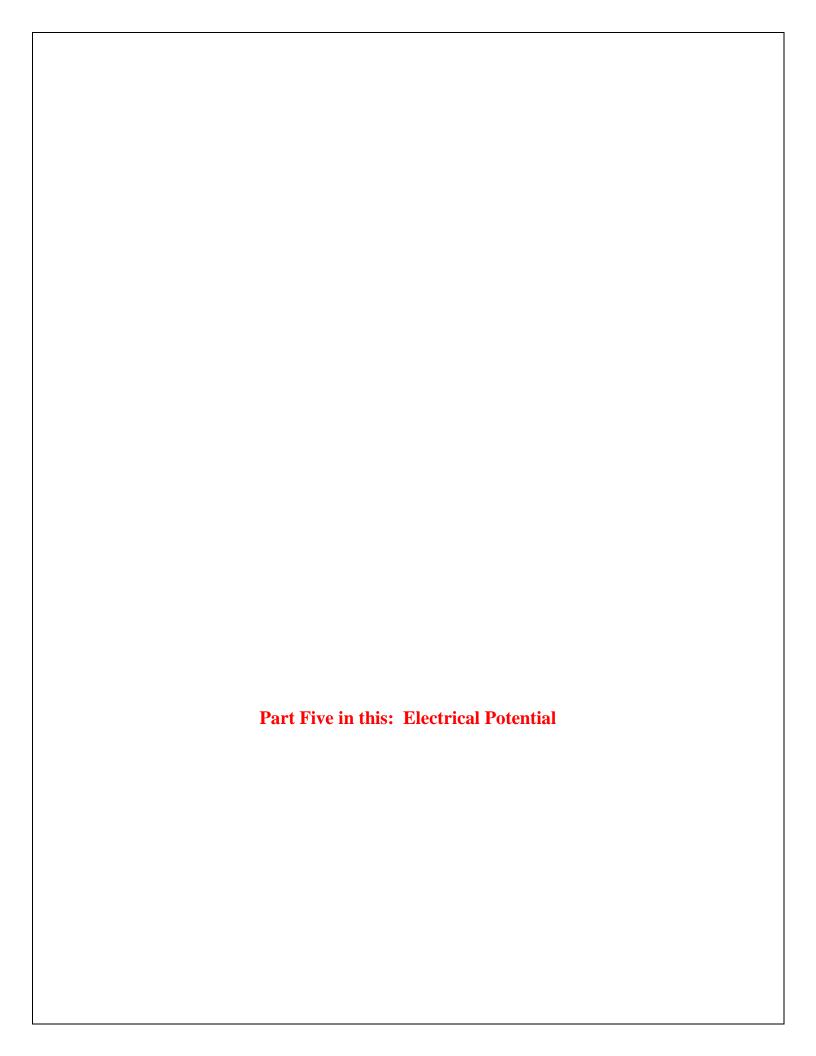
جامعة الانبار كلية العلوم قسم علوم الفيزياء المرحلة الرابعة الكهرومغناطيسية

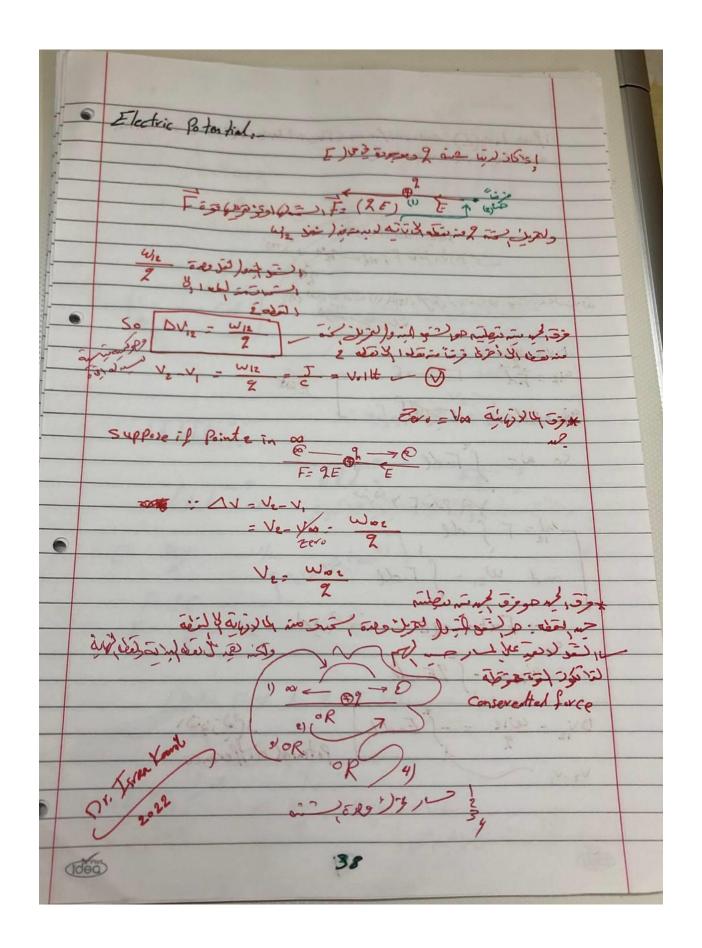
## **Electrostatics**

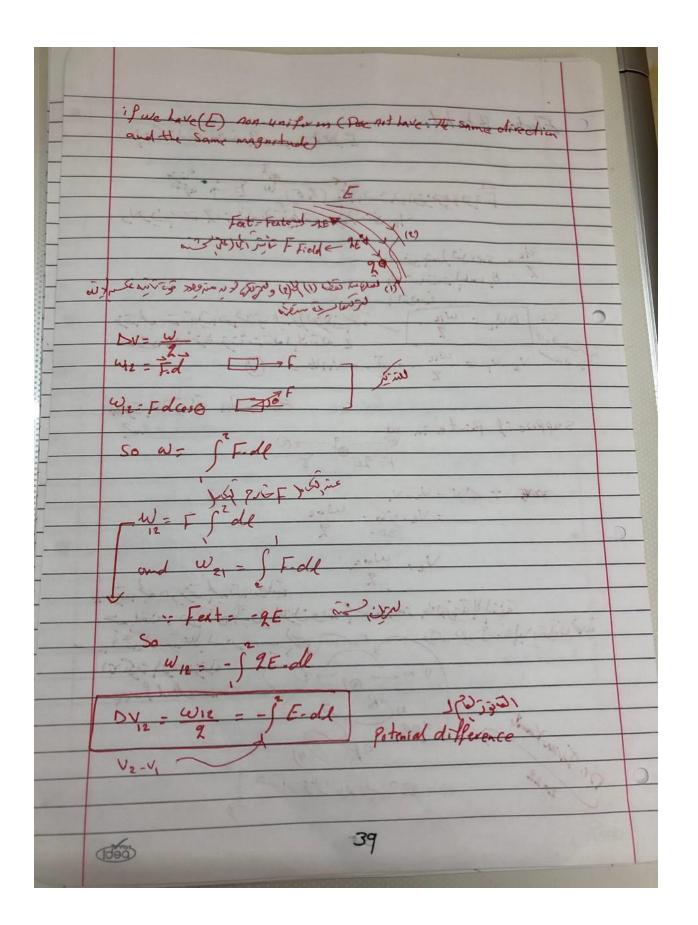
**Part Five: Electrical Potential** 

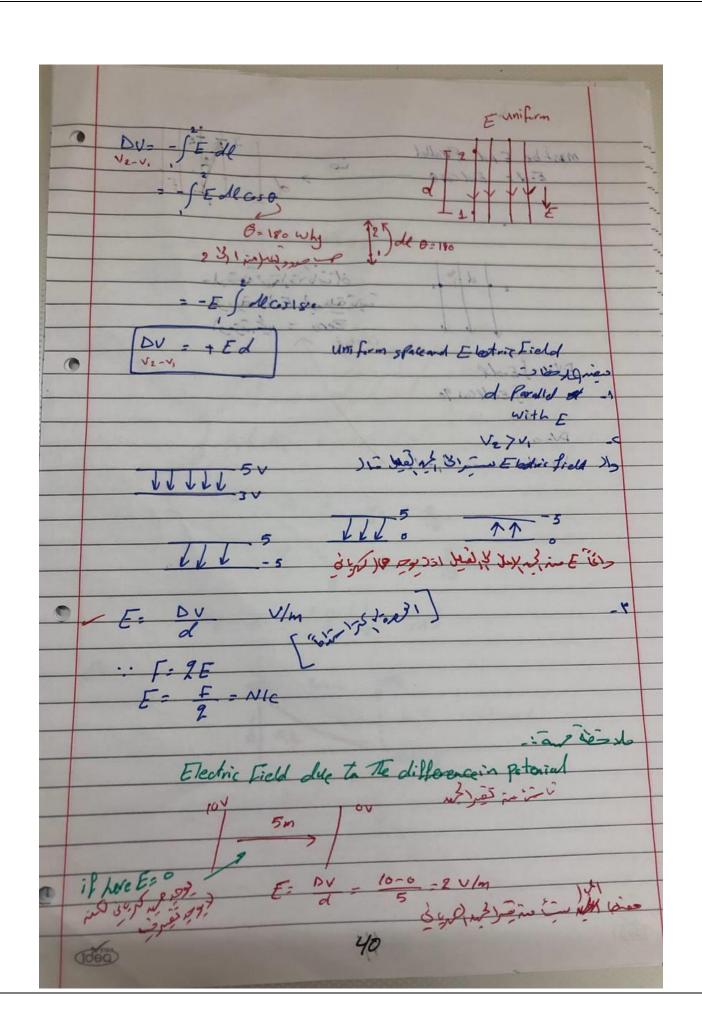
Dr. Israa Kamil Ahmed

د . اسراء كامل احمد









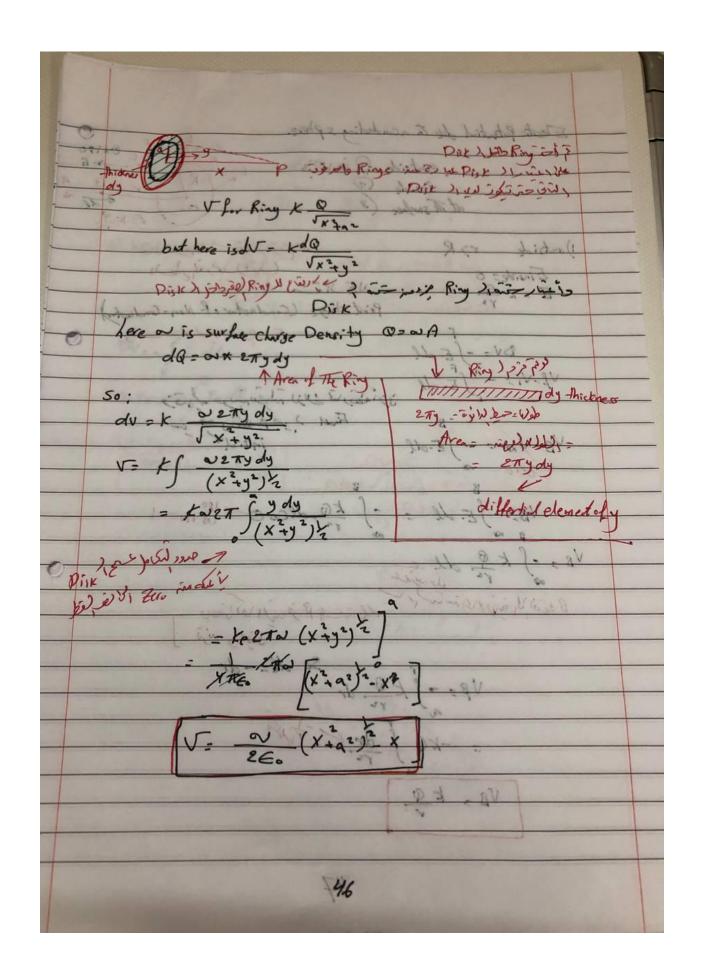
must be End Parallel E.d. Edeno io Zero = whisport Constant DV=-SEdl = - S Endles 90 V2-V120 - V, - V2 4/ 4444 44 0 43 2001 11 41 1000

Potenial due to faint charge: DV=- SE. dl - Goral law Euniform DV= E.d 6 VB-VA = K9 (1 - 1) Ex: Zan - 2Mc | Fg patonal Vtotal= V + Ve H. W-(100g) 42

potential due To dipole: Pcos6 2d - mometre for dippole . 63 1 Hay 43 1000

Potential due to aring charge for unit area is a du is apart of Scalar Quantity > V due to a disk وَعَنْ مُاسلِتِم لا بدالم من ولل و العول ا Go to Page 46 44

Summary : V petential DV = - SE-de field 11 xxx in the offered see it kesolution in wal When Potential is constant so The Electric field is Zero do Potential CEICLE YOURS HEREN ANIC and it print grade di jout x and tigging I to way a too e Dis Water UX Ken elly book 45



Re	eference:	
	1) INTRODUCTION to ELECTRODYNAMICS, Third Edition, David j.Griffths	