

**KING SAUD UNIVERSITY**  
**College of Science**  
**Physics and Astronomy Department**

<b>Course Code</b>	<b>Phys 507</b>		
<b>Course Name</b>	<b>Classical Electrodynamics</b>		
<b>Credit hours</b>	<b>3</b>		
<b>Level</b>	<b>MSc</b>		
<b>Pre-requisites</b>	<b>Vector Analysis</b>		
<b>Co-requisites</b>	<b>----</b>		
<b>Credit Distribution</b>			
<b>Course Description:</b> Introduction to Electrostatics, Boundary value problems in Electrostatics I& Magnetostatics, Faraday's law, quasi static fields, Maxwell's equations and macroscopic electromagnetism, conservation laws, Plane electromagnetic waves and waves propagation			
<b>Textbook:</b> <b>Introduction to Electrodynamics, D. J. Griffiths, 3<sup>rd</sup> edition, Prentice Hall</b>			

**Grades Distribution:**

**Midterm Exam: 30%   Homework: 30%   Final Exam: 40%**

**Instructor:**

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