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**اسم الجامعة:ديالى**

**اسم الكلية:الهندسة**

**اسم القسم:الالكترونيك**

**المرحلة:الثالثة**

**اسم المحاضر الثلاثي:اياد قيس عبد الكريم**

**اللقب العلمي: مدرس مساعد**

**المؤهل العلمي:ماجستير**

**مكان العمل: كلية الهندسة**

**(( استمارة الخطة التدريسية السنوية ))**

|  |  |
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| **م.م اياد قيس عبد الكريم موسى** | **اسم التدريسي:** |
| **Aiyad\_qais@yahoo.com** | **البريد الالكتروني:** |
| Antenna & Propagation | **اسم المادة:** |
| **The aim of this subject is to make the students ready to undestand and comprehend the scientific theories and their applications related to their field of the study.** | **أهداف المادة:** |
| **ANTENNA THEORY AND DESIGN BY STUTZM** | **الكتب المنهجية:** |
| **ANTENNA BY KRAUS** | **المصادر الخارجية:** |
| **الامتحان النهائي** | **المختبرات** | **الفصل** **الثاني** | **الفصل الأول** | **تقديرات الفصل:** |
| 50% | 10% | 20% | 20% |
|  | **معلومات إضافية:** |

**جدول الدروس الأسبوعي – الفصل الدراسي الأول**

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| **الملاحظات** | **المادة العملية** | **المادة النظرية** | **التاريخ** | **الأسبوع** |
|  |  | Isotrop & point radiator with reflector & parttern | **30/9/2015** | 1 |
|  |  | The hertizian dipole& its pattern of electric field & power density Short antenna | **7/10/2015** | 2 |
|  |  | Gain &short ant, Directivity & beam width | **14/10/2015** | 3 |
|  |  | Antenna & its pattern of field &radiation resistance & polarization. | **21/10/2015** | 4 |
|  |  | The loop antenna & Its field  | **28/10/2015** | 5 |
|  |  | Radiation, resistance & pattern receiving antenna & effective area of antenna Radar equations & path losses | **4/11/2015** | 6 |
|  |  | Antenna above ground & monopole, Pattern | **11/11/2015** | 7 |
|  |  | Folded antenna, Point radiator arrays &multi antenna arrays & their gain &patterns stacked antenna Yagi antenna Slot antenna | **18/11/2015** | 8 |
|  |  | Microwave antenna | **25/11/2015** | 9 |
|  |  | Microwave antenna | **2/12/2015** | 10 |
|  |  | Horn &parabola | **9/12/2015** | 11 |
|  |  | Horn &parabola | **16/12/2015** | 12 |
|  |  | Helical antenna& helix& ionosphere & wave, Propagation &type of waves | **23/12/2015** | 13 |
|  |  | Time varying field & Maxwell's equation, Faradays law | **30/12/2015** | 14 |
|  |  | Amperes law, Gauss's law, Boundary condition on the field vectors | **6/1/2016** | 15 |
|  |  | Amperes law, Gauss's law, Boundary condition on the field vectors | **13/1/2016** | 16 |
| عطلة نصف السنة | 15/1/2016 to1/2/2016 |

**توقيع الأستاذ: توقيع رئيس القسم توقيع العميد:**

**جدول الدروس الأسبوعي – الفصل الدراسي الثاني**

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| --- | --- | --- | --- | --- |
| **الملاحظات** | **المادة العملية** | **المادة النظرية** | **التاريخ** | **الأسبوع** |
|  |  | Time-Instantaneous Pointing Theorem | **17/2/2016** | 1 |
|  |  | Time-Instantaneous Pointing Theorem | **24/2/2016** | 2 |
|  |  | Plane Wave Complex Pointing Vector | **2/3/2016** | 3 |
|  |  | Plane Wave Complex Pointing Vector | **9/3/2016** | 4 |
|  |  | Planes wave & their characteristic in free space | **16/3/2016** | 5 |
|  |  | The wave equation | **23/3/2016** | 6 |
|  |  | uniform plane wave | **30/3/2016** | 7 |
|  |  | Propagation of plane wave in losses media | **6/4/2016** | 8 |
|  |  | Polarization of uniform plane wave | **13/4/2016** | 9 |
|  |  | Normal incident of uniform plane wave on plane boundaries | **20/4/2016** | 10 |
|  |  | Guided waves | **27/4/2016** | 11 |
|  |  | Wave between parallel planes | **4/5/2016** | 12 |
|  |  | Wave between parallel planes | **11/5/2016** | 13 |
|  |  | Transverse electric wave (TL-wave), Characteristic of TE&TM waves. | **19/5/2016** | 14 |
|  |  | Transverse Electromagnetic Wave (TEM-waves) & Waves Guides | **26/5/2016** | 15 |
|  |  | Transverse Electromagnetic Wave (TEM-waves) & Waves Guides | **3/6/2016** | 16 |

**توقيع الأستاذ: توقيع رئيس القسم توقيع العميد:**