**اسم الجامعة:ديالى**

**اسم الكلية:الهندسة**

**اسم القسم: الالكترونيك**

**المرحلة: الاولى**

**اسم المحاضر الثلاثي: وسام نجم الدين عبد**

**اللقب العلمي: مدرس**

**المؤهل العلمي: ماجستير**

**مكان العمل:**

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

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| **وسام نجم الدين عبد** | | | | **اسم التدريسي:** |
| **wisam\_alobaidee@yahoo.com** | | | | **البريد الالكتروني:** |
| Electrical Engineering Fundamentals | | | | **اسم المادة:** |
| **The aim of these subjects 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:** |
| Electrical Technology by Theraja  Electrical Engineering by Boylested | | | | **الكتب المنهجية:** |
| **Fundemetal 0f Electrical Engineering by Hayt** | | | | **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** |
|  |  | System of units | **28/9/2015** | 1 |
|  |  | voltage and current | **5/10/2015** | 2 |
|  |  | circuit element | **12/10/2015** | 3 |
|  |  | Resistances in series and parallel | **19/10/2015** | 4 |
|  |  | Resistances in series and parallel | **26/10/2015** | 5 |
|  |  | Basic terminology | **2/11/2015** | 6 |
|  |  | the loop current method | **9/11/2015** | 7 |
|  |  | the node voltage method | **16/11/2015** | 8 |
|  |  | superposition theorem | **23/11/2015** | 9 |
|  |  | thevenin's theorem | **30/11/2015** | 10 |
|  |  | Norton's theorem | **7/12/2015** | 11 |
|  |  | reciprocity, and maximum power transfer. | **14/12/2015** | 12 |
|  |  | RMS and average values | **21/12/2015** | 13 |
|  |  | circuit elements in the pharos domain , power factors. | **28/12/2015** | 14 |
|  |  | Ac current through various circuit elements | **4/1/2016** | 15 |
|  |  | operations with complex numbers, phasor diagrams. | **11/1/2016** | 16 |
| العطلة الربيعية | | | 15/1/2016 to  1/2/2016 | |

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

**جدول الدروس الأسبوعي – الفصل الدراسي الثاني**

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| **الملاحظات** | **المادة العملية** | **المادة النظرية** | **التاريخ** | **الأسبوع** |
|  |  | Active, reactive and apparent power | **15/2/2016** | 1 |
|  |  | power, power in a complex form , the power triangle | **22/2/2016** | 2 |
|  |  | Frequency response of various circuits | **1/3/2016** | 3 |
|  |  | resonance in series and parallel circuits | **8/3/2016** | 4 |
|  |  | quality factor, the half –power frequencies. | **15/3/2016** | 5 |
|  |  | Loop and node voltage methods in ac circuits | **22/3/2016** | 6 |
|  |  | circuit theorems in ac circuits. | **29/3/2016** | 7 |
|  |  | Magnetic field | **5/4/2016** | 8 |
|  |  | characteristics of lines of magnetic flux | **12/4/2016** | 9 |
|  |  | magnetic field due to an electrical current | **19/4/2016** | 10 |
|  |  | mmf, magnetic field strength | **26/4/2016** | 11 |
|  |  | magnetic constants | **3/5/2016** | 12 |
|  |  | reluctance | **10/5/2016** | 13 |
|  |  | kirchoffs laws for magnetic circuits | **17/5/2016** | 14 |
|  |  | series and parallel magnetic circuits | **24/5/2016** | 15 |
|  |  | series and parallel magnetic circuits | **1/6/2016** | 16 |

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