**قسم هندسة المواد**

1. **اسم التدريسي:أغادير احمد عباس**
2. **المادة:التحليلات الهندسية والعددية**
3. **المحاضرات حسب التوقيتات المعطاة مع العطل**

|  |  |  |
| --- | --- | --- |
| **اسم المحاضرة** | **تاريخها** | **ت** |
| - Determinants and Matrices | **2017/10/7** | **1** |
| - Determinants and Matrices | **2017/10/14** | **2** |
| - Direct Methods to solve Linear Equations Systems | **2017/10/21** | **3** |
| -Gaussian elimination Method | **2017/10/28** | **4** |
| -Gauss-Jordan elimination Method. | **2017/11/4** | **5** |
| -Indirect Methods to solve Linear Equations Systems: Jacobi Method | **2017/11/11** | **6** |
| -TheGauss-Seidel Method | **2017/11/18** | **7** |
| -Eigen value & Eigen vectors | **2017/11/25** | **8** |
| - The Cayley-Hamilton Method | **2017/12/2** | **9** |
| - Fourier Series | **2017/12/9** | **10** |
| - Fourier Series | **2017/12/16** | **11** |
| - Special function :Gamma function | **2017/12/30** | **12** |
| - The Laplace transform and Inverse Laplace transforms | **2018/1/2** | **13** |
| - The Laplace transform and Inverse Laplace transforms | **2018/1/16** | **14** |
| **-** Convolution theorem | **2018/1/30** | **15** |

**عطلة نصف السنة**

|  |  |  |
| --- | --- | --- |
| - Numerical method for solving initial value problem . | **2018/2/17** | **1** |
| - Picard method of successive approximation | **2018/2/24** | **2** |
| Numerical method for solving ordinary differential eq. Euler method | **2018/3/3** | **3** |
| - Rung-Kutta method | **2018/3/10** | **4** |
| - Modified Euler | **2018/3/17** | **5** |
| - Milnes Predictor –corrector method | **2018/3/24** | **6** |
| Multistep Method for First-Order Differential Eq .: Adams –Moulton method | **2018/3/31** | **7** |
| - Numerical solution of equation one variable location of root ,Newton Raphson method | **2018/4/7** | **8** |
| - Numerical methods for solving integration: Trapezoidal rule | **2018/4/14** | **9** |
| - Simpsons 1/3 rule | **2018/4/21** | **10** |
| - Simpsons 3/8 rule | **2018/4/28** | **11** |
| -INTERPOLATION | **2018/5/5** | **12** |
| - INTERPOLATION | **2018/5/12** | **13** |
| - Curve Fitting :Method of least Square | **2018/5/19** | **14** |
| - Finite element | **2018/5/26** | **15** |

1. **نسبة انجاز المحاضرات 100 %**
2. **اسباب التأخير ان وجدت**
3. **المقترحات : لا توجد**

**توقيع التدريسي رئيس القسم**

**/ /2018**