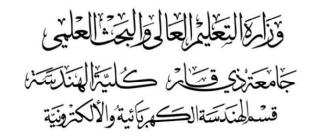
Ministry of Higher Education and Scinetific Research Thi-Qar University Collage of Engineering Electrical and Electronic Engineering Dept





العدد :

التاريخ : / / ٢٠

| Course number and name | EE 3100: Signals and Systems |
|-------------------------------|---|
| Credits and contact hours | 3 credits and 4 hours |
| Course coordinator | |
| Textbook | Fundamentals of Electric Circuits, 4 th edition, C. K. Alexander and M. N. O. Sadiku, 2009 |
| Course Information | a. Prerequisites: EE 2100 Circuits III |
| | b. Required |
| Topics to be covered | - Course introduction and overview |
| | - Basic concepts of signals and systems |
| | - Introduction to Laplace Transform |
| | Laplace transform and circuit analysis |
| | - Fourier Series and its applications |
| | - Fourier Transform and its applications |
| | – Z-Transform and its applications |
| | - ComplexVariables and complex functions, CauchyIntegral |
| | Formula |

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