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| ***( 0903702 )CAD for Communications*** |
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| **Course Description :** | Using MATLAB and SIMULINK for simulating communication systems. Signal coding/shaping and channel impairment simulations. The role of CAD systems in receiver design and optimization. Mathematical modeling of communication systems. Numerical solutions of linear and non-linear equations. Eigenvalue and eigenverctor problems. Introduction to circuit design and VLSI CAD tools (e.g., PSpice, Verilog HDL, Xilinx, etc). |
| **Pre Request :** |  |
| **Credit Hour :** | 3 |
| **Department :** | Electrical Engineering |
| **Program :** |  |
| **Course Level :** | Master |
| **Course Outline :** |  |