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| |  | | --- | |  | | ***( EE0903751 )Electromagnetic Wave Propagation*** | | |  | | | **Course Description :** | RWave components and polarization. Wave equation. Reflection, refraction, diffraction and transmission of waves. Huygence's principal. Behavior of unguided electromagnetic waves in atmosphere and the effect of earth surface. Physics of the atmosphere. Wave Propagation in the Troposphere. Space wave. Surface wave. Physics of the Ionosphere. Wave Propagation in the Ionosphere. Sky Wave. Effect of the earth magnetic field. Special topics in electromagnetic wave propagation. | | **Pre Request :** | 0903750 | | **Credit Hour :** | 3 | | **Department :** | Electrical Engineering | | **Program :** |  | | **Course Level :** | Master | | **Course Outline :** |  | |