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### Advanced Electric Drives Analysis Control

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An Electric Drive can be defined as an electromechanical device for converting electrical energy to mechanical energy to impart motion to different machines and mechanisms for various kinds of process control. 1.1 BLOCK DIAGRAM OF AN ELECTRICAL DRIVES The basic block diagram for electrical drives used for the motion control is shown in the

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3. R. Krishnan, "Electric Motor Drives, Modeling, Analysis and Control", Prentice Hall, 2001, ISBN: 0130910147 Learning Objectives (Indicators) At the end of this course, the successful student will be able to: 1. To analysis the drive system performance using concept of various engineering knowledge. (1c) 2.

## **Course Outline (F2020) ELE747: Advanced Electric Drives**

Learn how to change electrical connections or control modules by modifying a drive block. Multilevel Modeling for Rapid Prototyping. Reduce system development costs using Model-Based Design. Electric Drives Library. The Electric Drives library provides you with an easy way to incorporate electric drives in your models.

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