

North South University
Department of Electrical and Computer Engineering
EEE 363L (Section 1 & 2): Electrical Machines
S 2.40PM - 5.50PM (sec-1)
M 2.40PM- 5.50PM (sec-2)
Fall 2018

Course Teacher : Dr. Atiqur Rahman
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Mark distribution

Attendance : 15%
Lab Report : 15%
Performance : 10%
Viva : 20%
Lab Written Final : 40%

Total : 100%

Lab Experiments:

1. Study of the Open Circuit Characteristics (OCC) of Separately Excited DC Shunt Generator.
2. Study of the Torque Speed Relationship of DC Series Motor & DC Shunt Motor.
3. Study of the Voltage Current Relationship and Different Loading Conditions of Single Phase Transformer.
4. Study of the Different Loading Conditions of Alternator.
5. Study of the Alternator Synchronization.
6. Study of the Starting and Operating Characteristics of Three Phase Synchronous Motor.
7. Study of the Starting, No-load and Full-load Characteristics Three-Phase Squirrel-Cage Induction Motor and Wound-Rotor Induction Motor.
8. Study of the Starting and Operating Characteristics of Capacitor Start Motor & Capacitor Run Motor.