Power Transmission System and Its Components (40 hours) (Assoc. Prof. Dr. Ender Ciğeroğlu, ME)

- **Basic Components of Power Transmission System**, 2 hours

- **Prime Movers**, 3 hours
  - Gasoline Engines
  - Diesel Engines
  - Gas Turbines
  - Electric Motors
  - Combined Propulsion Systems
  - Torque vs angular velocity, Power vs angular velocity characteristics

- **Gears and Gear Boxes**, 11 hours
  - Types of gears
  - Kinematics
  - Design of Gear and Gear Boxes

- **Couplings and Clutches**, 4 hours

- **Shafts**, 4 hours

- **Connection Elements**, 3 hours

- **Lubricants and Systems of Lubrication**, 3 hours

- **Bearings**, 10 hours
  - Journal Bearings
  - Antifriction Bearings