1. **Basics concepts in lighting**
   1. Magnitudes used in lighting.
   2. Lamps: types and characteristics.
   3. Lamps: applications and commercial models.
   4. Luminaries: basic concepts and characterization.
   5. Luminaries: classifications, types and applications.
   6. Auxiliary equipment.

2. **Energy efficiency in internal lighting installations**
   1. Design criteria for an inside installation.
   3. Control systems in indoor facilities.

3. **Energy efficiency in public lighting installations**
   1. Design criteria for an installation of street lighting.
   2. Regulations: Regulation of energy efficiency.
   4. Switchboard from streetlights.
   5. Audit of a public lighting installation.
   6. Case 1: Improved street lighting in municipalities.