SOLR2202 - Photovoltaics System Design II

Credits:	2 (1/1/0)
Description:	This course provides instruction on electrical distribution and storage systems associated with a photovoltaic array. Topics covered include battery types and characteristics, charge controllers and inverters.
Prerequisites:	• SOLR2201
Corequisites:	
Pre/Corequisites*:	
Competencies:	1. Identify the main principles and components of battery design, battery charging, discharging and over-charging. 2. Describe how specific gravity, sulfation, stratification and temperature affect battery life. 3. Describe battery types, characteristics and selection factors. 4. Identify the principal functions and features of charge controllers. 5. Define charge regulation, temperature considerations and control setpoints. 6. Identify inverter specifications and ratings. 7. Identify the principal functions and features of inverters.
MnTC goal areas:	None

**Can be taking as a Prerequisite or Corequisite.*