

OCTOBER 22-24 2015

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## SOLAR ENERGY PHOTOVOLTAIC (PV) DESIGN & INSTALLATION

OCTOBER 22-24, 2015

### 3 DAY SOLAR ENERGY PHOTOVOLTAIC PV TRAINING

This three day PV design and installation training is an amazing opportunity to get hands-on experience with a wide range of PV system components and architectures at ECO HOUSE Institute of Renewable Energy facility in Cebu. Working in small groups with instructors who are Renewable Energy Advocates, students install, test, and commission numerous PV systems with energy storage that address a wide range of applications.

The design and hands on consist of stand-alone and multimode PV systems, and include AC and DC coupled equipment.

#### WHAT YOU WILL LEARN

Participants will concentrate on PV design and installation safety, wiring, and maintenance, and will wire balance of system components including: combiner boxes, disconnects, power centers, controllers, battery banks, and inverters. Set-up, basic programming, and testing of components for specific battery-based

applications will be integrated into the hands on sessions. Students will learn fundamental procedures for safe installation and commissioning practices, and all exercises will have an emphasis on safety considerations. The maximum five to one student-to-instructor ratio and comprehensive setting create the ultimate environment to get your first hands-on PV experience.