

**ESCI-61 Homework #3**

**Student Name:**

Explain **in your own words** the **meaning** of the following PV system de-rating factors and **how do they affect PV system performance** ; copy/paste of definitions from the internet will not be accepted. Please do not exceed 5 lines per item on average, 1 page total (Arial, 10 points, single spacing).

1. Shading
2. PV Module Tilt and Orientation
3. PV module nameplate DC rating
4. Inverter and Transformer
5. Mismatch
6. Diodes and Connections
7. DC and AC Wiring
8. Soiling
9. System Availability
10. Age