



## SOLAR AND WIND SYSTEMS IN THE ELECTRICAL CODE

<b>Course Number</b>	ELEC 190
<b>Course Name</b>	SOLAR AND WIND SYSTEMS IN THE ELECTRICAL CODE
<b>Credit Value (Breakdown of theory and lab credits)</b>	2, (1T+1S)
<b>Catalog Course Description</b>	Starting with a review of DC electrical circuits, you will cover Sections 690 and 695 of the National Electrical Code, which deals with photovoltaic and wind-generated electrical systems. You will discuss conductor sizes, circuits, outlets, disconnects and over-current protection between the energy source and the service entrance. Recommended <i>Co-requisites</i> : RE 207 or 208. (2, 1T+1S)
<b>Student Learning Outcomes/Objectives /Competencies of the Course</b>	<ul style="list-style-type: none"> <li>• Students will be familiarized with sections 690 and 695 of NEC.</li> <li>• Students will understand NEC regulations for conductor sizes, circuits, outlets, disconnects and over-current protection for Solar and Wind Devices.</li> </ul>
<b>College-Wide Student Learning Outcomes</b>	Communication