

**NUCLEAR POWER SCHOOL (NPS) ASSIGNMENTS IN THE
ELECTRICAL ENGINEERING SUBJECT FOR TECHNICAL MAJORS**

TITLE OF TEXT	CHAPTER NUMBER AND TITLE	TOPIC NUMBER AND TITLE	ASSIGNMENT
<p align="center"><u>“APPLIED ENGINEERING PRINCIPLES MANUAL”</u></p>	<p>Chapter 1 – “Electrical Review”</p>	<p>Topic 1.1 – “Fundamentals of Electricity”</p>	<p>(see comment below)</p>
		<p>Topic 1.2 – “Alternating Current Theory”</p>	<p>(focus on topics 1.2.4, 1.2.5, and 1.2.6 related to power)</p>
		<p>The above two topics are necessary background for understanding and being able to do the practice problems on the more advanced topics on “Three Phase Systems” and “Generators”. Individuals with weak or non-existing backgrounds in EE may wish to study Topics 1.1 and 1.2, with particular emphasis on the three subtopics related to power.</p>	
<p align="center"><u>“APPLIED ENGINEERING PRINCIPLES MANUAL”</u></p>	<p>Chapter 1 – “Electrical Review”</p>	<p>Topic 1.3 – “Three Phase Systems and Transformers”</p>	<p>Read pages 1-25 through 1-33.</p>
			<p>Do practice problems on “Three Phase Systems”</p>
		<p>Topic 1.4 – “Generators”</p>	<p>Read pages 1-37 through 1-55.</p>
			<p>Do practice problems on “Generators”</p>
		<p>Topic 1.5 – “Motors”</p>	<p>Read pages 1-55 through 1-63.</p>
			<p>Do practice problems on “Motors”</p>