

**NUCLEAR POWER SCHOOL (NPS) ASSIGNMENTS IN THE THERMODYNAMICS SUBJECT
FOR NON-TECHNICAL MAJORS**

TITLE AND VOLUME OF DOE FUNDAMENTALS HANDBOOK	MODULE NUMBER AND TITLE	TOPIC	ASSIGNMENT
"Thermodynamics, Heat Transfer, and Fluid Flow" Volume 1 of 3	Module 1 - "Thermodynamics"	"Thermodynamic Properties"	Read pages 1 through 5. Do practice problems on "Thermodynamic Properties ".
		"Temperature and Pressure Measurements"	Read pages 6 through 13. Do practice problems on "Temperature and Pressure Measurements".
		"Energy, Work, and Heat"	Read pages 14 through 25. Do practice problems on "Energy, Work, and Heat".
		"Thermodynamic Systems and Processes"	Read pages 26 through 30. Do practice problems on "Thermodynamic Systems and Processes".
		"Change of Phase"	Read pages 31 through 40. Do practice problems on "Change of Phase".
		"Property Diagrams and Steam Tables"	Read pages 41 through 52. Do practice problems on "Property Diagrams and Steam Tables".
		"First Law of Thermodynamics"	Read pages 53 through 68. Do practice problems on "First Law of Thermodynamics".
		"Second Law of Thermodynamics"	Read pages 69 through 96. Do practice problems on "Second Law of Thermodynamics".
		"Compression Processes"	Read pages 97 through 102. Do practice problems on "Compression Processes".