

	Monday	Tuesday	Wednesday	Thursday	Friday	<b>Level-I Certified Infrared Thermographer® Course Outline</b>	
<b>7:30 am</b>	Registration	Optional Hands-on Operation of Imagers					
<b>8:00 am</b>	Course Overview & Ground Rules	Imager Operation & Selection	Rotating Equipment	Structural Part 1: Energy Loss - Radiation - Convection Air Leakage - Conduction Buildings Boilers Furnaces Kilns & Ovens Process Equip.	<b>Course Wrap-Up</b> • Level-I Certified Infrared Thermographer Exam (3 Hours) • <b>End of Course</b>		
<b>9:00 am</b>	Introductions	Electrical Systems Inspections: Theory Transmission Lines Distribution Lines Substations Transformers Bus Duct Switchgear Overcurrent Devices					
<b>10:00 am</b>	Overview of IR Applications						Power Transmission & Alignment
<b>11:00 am</b>	Heat Transfer Concepts		Steam, Fluid Flow, High Temperature Applications				
<b>Noon</b>	<b>Lunch</b>						
<b>1:00 pm</b>	Heat Transfer Concepts	Electrical Systems Inspections (Continued)	Active Thermographic Inspection Theory & Applications	Structural Part 2: Roof Inspections - Construction & Theory - Weather Variables - Aerial/Ground Inspections - Verification of Data			
<b>2:00 pm</b>	Basic Infrared Theory & Thermal Imaging Systems		Recording Images & Producing Hardcopy				
<b>3:00 pm</b>		Nine Steps to Set up an IR Program	Generating a Qualitative Report using Exception® 2000 Software				
<b>4:00 pm</b>	Emittance, Reflectance, & Transmittance	Program Economics & Benefits					
<b>5:00 pm</b>	Optional Hands-on Operation of Imagers						