

		Lab	2	<p><u>Understand</u> the refrigeration principles and heat transfer concepts and use those ideas to describe one particular system to their client</p> <p><u>Describe</u> and determine if unacceptable alterations have been made between the size of the duct system and the BTU capacity of the piece of equipment, including supply plenum of furnaces, return air drops and branch runs.</p> <p>Lab assignment: <u>Outline</u> the pros and cons for each application explained in week 10, explaining answers.</p>	Section 4, 5 Unit 23, 27	Lab assignment		
9	4, 5, 6	Lab	3	<p><i>Explain the basic principles of operation for air conditioning system components.</i></p> <p><u>Understand</u> how a ductless split air conditioning system works</p> <p><u>Review</u> the differences between recovered, recycled, and reclaimed refrigerant</p> <p><u>Explain</u> the concept called entropy, enthalpy and practice using a psychometric chart.</p> <p><i>Lab -work continued:</i> perform a variety of procedures to the equipment and understand what the results of the tests indicate.</p>	Section 4, 5 Unit 18 Instructor handouts	Practical Assignment 2 given	Observation of students in lab	As above
10			3	<i>Test #2 - 3 hours</i>		Theory Test # 2	Summative	As above

12	6	Lecture Lab	3	<p><i>Describe the duties of a ventilation system and explain the primary function.</i> <u>Realize</u> the variables that determine the size of a duct run and difference between static and velocity pressure of air <u>Understand</u> the purpose of a condensate trap on an evaporator. <u>Know</u> where to properly locate a thermostat <u>Become</u> familiar with the different kinds of ventilation fans state the concepts of how an HRV operates</p>	Section 7 Unit 66-69 Instructor Handouts		Observation of students in lab End of chapter questions	As above Instructor handouts
13	6, 7	Lecture Lab	3	<p><i>Identify the differences between Ground Source, air to air, and geo-thermal heat pumps</i> <u>Understand</u> what the main components of heat pump systems are and be able to explain the operations <u>Identify</u> the roll a circulating pump serves in a geo-thermal heat pump <u>Describe</u> the main differences between styles of heat pumps. <u>State</u> the importance of a circulating pump Work on completing assignment #2 in the lab Review materials for upcoming test</p>	Section 6 Unit 49-53		Observation End of chapter questions	As above
14		Test #3	3	Theory Test #3 - 3 hrs			Summative	Pencils, calculator, eraser
15	1-7	Lecture Lab	3	Review highlights from previous Learning Outcomes	Instructor Handouts			
16		Lecture	3	Question and answer session Class to evaluate my instruction by completing an evaluation Debrief of the semester			Formative	