

# Utah Career Center Refrigerant Controls

Semester

**Instructor:**

**Phone:**

**Required Text:**

UA Refrigerant Controls Textbook

**Major goals of this course:** Upon completion of this course, the apprentices will understand refrigerant flow control, types of refrigerant controls, operation of expansion devices, and diagnose/troubleshoot control issues.

**The main points of this course are:**

- 1- Thermostatic Expansion Valves
- 2- Valve Operation
- 3- Refrigerant Distribution
- 4- Filter Driers and Moisture-Liquid Indicators
- 5- Liquid-Line Solenoid Valves
- 6- Head Pressure Control Valves
- 7- Cap Tubes
- 8- High and Low Side Float Valves

**Grading:**

- 1- In class assignments: 30%
- 2- Daily quizzes: 30%
- 3- Final Test: 30%
- 4- Attendance: 10%

5-	100-95	A	76-73	C
	94-90	A-	72-70	C-
	89-87	B+	69-67	D+
	86-83	B	66-63	D
	82-80	B-	62-60	D-
	79-77	C+	59 or less	F

**A 70% or better is required on the “Final Test” to pass this course.**

## **General Information**

### **Attendance:**

Class is scheduled from \_\_\_\_ to \_\_\_\_\_. Tardiness by students is not acceptable. Any person arriving late will be marked 'tardy.' Three (3) tardies will be counted as one (1) unexcused absence. The office will need to have all excuses for absences turned in to them within two (2) weeks of the absence.

### **Assignments:**

Quizzes will be given every day of class. Assignments will also be done daily. If a class is missed the assignments and quiz may be made up for credit. It is your responsibility to get with the Instructor the first week back to arrange the make-up work. Late work MUST be made up within 2 weeks. It will not be accepted after that time.

### **Quizzes and Tests:**

Quizzes will be given every day of class. Tests will be given at the end of each chapter and as a final exam. Quizzes may contain ANY information discussed in class or from the text. Test questions will be written from the daily quiz questions and may or may not contain minor variations.

### **ADA Statement:**

If you have a disability that may impact your ability to participate in this course, please contact SLCC to discuss reasonable accommodation. Students must provide documentation about their disability to receive accommodations.