HVAC IVB (Spring 2024)

Welcome back to the HVAC Apprenticeship program!

I understand you are a busy person, successful people are, and I strongly encourage you to set aside the time you will need to learn and master the content within each module. To facilitate this, establish a study schedule and stick to it. If you are substantially engaged in the textbooks and Pearson online materials, on a near-daily basis, your study habits will improve and your knowledge and skills will increase.

Attendance and engagement in the online material is critical to your success in this course. Particularly, attendance is a requirement and metric used to determine successful completion of your apprenticeship program. Additionally, completing all of the assignments in Pearson's learning management system **(LMS)** is critical to your learning and these assignments also have an impact on your grade.

Pay close attention to the schedule outlined below and be prepared (read the material and write down questions to ask) for the lecture. As the semester progresses, there could be a need to make adjustments to the schedule. I will use text messaging to communicate schedule changes and reminders to the class. If your phone does not accept text messages, you will need to speak with me and make arrangements for a different form of communication. **We will meet for lecture and lab at the Superior Water and Air site located at** [redacted]

We will continue to use *Heating, Ventilating, and Air* Conditioning, Level 4, 5th edition, as we did Fall semester. We will also continue to use the LMS on the website of our textbook's publisher—Pearson. All textbook-related assignments, and exam preparation materials, will only be available via this LMS. To be successful in this course, you will need to register for this course on Pearson's website and access this course frequently to supplement your study of the textbook. If you were registered on Pearson Fall semester you should still be registered.

The following schedule will be our guide to learning this semester. As usual, there are assignments in Pearson for each module. Due to their nature, scheduled labs will be performed as a class and cannot be made up.

January 11, 2024	HVAC IVB Introduction
	Module 7 Section 1 HVAC Drawing Types
	Module 7 Section 2 Specifications and Submittals
January 18, 2024	Module 7 Section 3 Takeoffs
	Module 7 Take-Home Exam Provided and due January 25, 2024
	Module 8 Section 1 HVAC Design Processes and Structure Evaluation

January 25, 2024	Module 8 Section 2 Load Estimating
February 1, 2024	Module 8 Section 2 Load Estimating—Continued
	Module 8 Section 3 Equipment Selection and Support Systems
February 8, 2024	Module 8 Section 4 Air Distribution System Design
	Module 8 Take-Home Exam Provided and due February 15, 2024
February 15, 2024	Module 9 Section 1 Food Product Refrigeration
	Module 9 Section 2 Refrigeration System Components
	Module 9 Section 3 Defrost Systems
February 22, 2024	Module 9 Section 4 Ammonia Refrigeration
	Module 9 Take-Home Exam Provided and due February 29, 2024
	Module 10 Section 1 Alternative Heating and Cooling Systems
February 29, 2024	Module 10 Section 2 Unique Heating and Cooling Systems
	Module 10 Take-Home Exam Provided and due March 14, 2024
	Module 11 Section1 Business Structures and Issues in the Industry
	Module 11 Section 2 Leadership Skills
March 7, 2024	**No Class—Spring Break**
March 14, 2024	Module 11 Section 3 Safety and Safety Leadership
	Module 11 Section 4 Project Planning
	Module 11 Take-Home Exam Provided and due March 21, 2024
March 21, 2024	NATE Exam Prep
March 28, 2024	NATE Exam Prep
April 4, 2024	NATE Exam Prep
April 11, 2024	NATE Exam Prep
April 18, 2024	NATE Exam Prep
April 25, 2024	NATE Exam Prep
May 2, 2024	Final Exam

Your final grade for the semester will be calculated as follows:

Assignments and Labs	35% of final grade
Module Exams	40% of final grade
Final Exam	25% of final grade

The following grading standards will be used in this class:

Grade	Range
A	100% to 94%
A-	< 94% to 90%
B+	< 90% to 87%
B	< 87% to 84%
B-	< 84% to 80%
C+	< 80% to 77%
C	< 77% to 74%
C-	< 74% to 70%
D+	< 70% to 67%
D	< 67% to 64%
D-	< 64% to 61%
F	< 61% to 0%