

Instructor Information	
Instructor	Tony Wilson
Email	wilsonb2@lamarpa.edu
Phone	(409) 984-6252
Office	Physical Plant - Room: 103
Office Hours	Office Hours M-T 2 PM-4PM
Additional Contact Information	none
Course Information	
Description	Principles of electricity as required by HVAC, including proper use of test equipment, electrical circuits, and component theory and operation.
Required Textbooks	Textbook Purchasing Statement: A student attending Lamar State College Port Arthur is not under any obligation to purchase a textbook from the college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer. Textbook Purchasing Statement: A student attending Lamar State College Port Arthur is not under any obligation to purchase a textbook from the college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer. 1: Modern Refrigeration and Air Conditioning textbook, 22nd edition, Goodheart-Willcox publishing, ISBN 979-8-88817-489-0. 2: Modern Refrigeration and Air Conditioning workbook, 22nd edition Goodheart-Willcox publisher ISBN 979-8-89118-153-3
Additional Materials/Resources	None.
Corequisites/Prerequisites	None
Learning Outcomes	1. measured by pre- and post-tests. 2. Read, draw, and interpret high and low voltage control circuits (PSLO 1); measured by assignment. 3. Identify HVAC refrigeration controls (PSLO 2); measured by quiz/assignment. 4. Test, repair, and/or replace HVAC-related electrical and control components, wiring, and equipment (PSLO 3); measured by quiz/assignment.
Program Student Learning Outcomes	1.Demonstrate knowledge of the basic and advanced principles of electricity, electrical current, and amperage. 2.apply Ohms law to electrical calculations. 3.perform electrical continuity, voltage, and current tests with appropriate meters. 4.demonstrate electrical safety
Lecture Topics Outline	1.students must have close toed shoes. 2. no eating are drinking in classroom 3. students are graded on participation, if a student is absent, he/she cannot get participation grade there for will result in a 0 for that class period. 4. Customers will expect Techs to act professional and talk professional. Cursing and profanity will not be allowed in class.
Major Assignments Schedule	week 1: Course Introduction; syllabus review week 2: safety, chapter 2 review questions, exam. week 3: electrical shop practices, meters week 4: intro to electricity chapter 13, lab. week 5: chapter 13 review questions, exam. week 6: electrical power chapter 14, lab. quiz week 7: electrical power chapter 14, review, exam. week 8: basic electronics chapter 15 review questions, lab. week 9: basic electronics chapter 15 review, exam. week 10: review of electrical principles and safety week 11: reading diagrams and using diagram keys. week 12: drawing electrical diagrams, exam. week 13: electrical trouble shooting Ch 18 review questions week 14: electrical trouble shooting CH 18 exam. week 15: prep for exam, course overview. labs week 16: final exam review; final exam
Final Exam Date	May 7, 2025 - 11:0 AM Through May 7, 2025 - 1:0 PM
Grading Scale	90 - 100=A 80 - 89=B 70 - 79=C 60 - 69=D Below 59 = F

Determination of Final Grade	Tests- 40%, Quizzes- 25%, Labs 25%, Final Exam- 10%
Course Policies	
Instructor Policies	1. students must have close toed shoes. 2. no eating or drinking in classroom 3. students are graded on participation, if a student is absent, he/she cannot get participation grade there for will result in a 0 for that class period. 4. Customers will expect Techs to act professional and talk professional. Cursing and profanity will not be allowed in class.
Attendance Policy	1. Tardiness: Tardiness (more than 5mins), for lectures or labs, 2 Tardies will count as an Absence. 2. Absences: NOTE: Excused absences (verifiable) are only allowed for, an illness that requires a hospital stay or a death in your immediate family, excluding aunts, uncles, cousins, nieces and nephews.
Additional Information	
Institutional Policies	
MyLSCPA	Be sure to check your campus email and Course Homepage using MyLSCPA campus web portal. You can also access your grades, transcripts, academic advisors, degree progress, and other services through MyLSCPA .
Academic Honesty	Academic honesty is expected from all students, and dishonesty in any form will not be tolerated. Please consult the LSCPA policies (Academic Dishonesty section in the Student Handbook) for consequences of academic dishonesty.
ADA Considerations	The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Disability Services Coordinator , Room 117, in the Student Success Center. The phone number is (409) 984-6241.
COVID 19 Information	The Lamar State College Port Arthur (LSCPA) Student Code of Conduct COVID 19 Policy requires students who have been diagnosed with COVID 19 to report their condition directly to their local health department. Students should also contact their course faculty to report their quarantine status. In addition, this policy requires all students to wear face coverings when directly exposed to COVID 19 in compliance with the criteria included in the policy. For more information please refer to the COVID 19 link on the LSCPA website.
Facility Policies	No food or tobacco products are allowed in the classroom. Only students enrolled in the course are allowed in the classroom, except by special instructor permission. Use of electronic devices is prohibited.
HB 2504	This syllabus is part of LSCPA's efforts to comply with Texas House Bill 2504.
Mandatory Reporting of Child Abuse and Neglect	As per Texas law and LSCPA policy, all LSCPA employees, including faculty, are required to report allegations or disclosures of child abuse or neglect to the designated authorities, which may include a local or state law enforcement agency or the Texas Department of Family Protective Services. For more information about mandatory reporting requirements, see LSCPA's Policy and Procedure Manual .
Title IX and Sexual Misconduct	LSCPA is committed to establishing and maintaining an environment that is free from all forms of sex discrimination, including sexual harassment, sexual violence, and other forms of sexual misconduct. All LSCPA employees, including faculty, have the responsibility to report disclosures of sexual misconduct, including sexual harassment, sexual assault (including rape and acquaintance rape), domestic violence, dating violence, relationship violence, or stalking, to LSCPA's Title IX Coordinator, whose role is to coordinate the college's response to sexual misconduct. For more information about Title IX protections, faculty reporting responsibilities, options for confidential reporting, and the resources available for support visit LSCPA's Title IX website .
Clery Act Crime Reporting	For more information about the Clery Act and crime reporting, see the Annual Security & Fire Safety Report and the Campus Security website .
Grievance / Complaint / Concern	If you have a grievance, complaint, or concern about this course that has not been resolved through discussion with the Instructor, please consult the Department Chair.
Department Information	Physical Plant Chair: Sheila Guillot Email: guillsr@lamarpa.edu Phone: (409) 984-6381