

Louisiana Delta Community College

Academic Affairs Master Syllabus

Course Name: PHYSICAL SCIENCE II LAB-PRE-CHEMISTRY

Course Number: PHSC 130

Lecture hours: 0 **Lab Hours:** 1 **Credit Hours:** 1

Textbook, Author, and Publisher: To be provided by College Campus

Instructor Information: To be provided by College Campus

Class Location: To be provided by College Campus

Course Description:

This course is the lab to accompany PHSC 120. Students will apply chemistry concepts to laboratory exercises.

Prerequisites: None

Co-requisites: Credit or enrollment in PHSC 120

Learning Outcomes:

On completion of this course, the student will be able to:

1. Demonstrate proper usage of spectrosopes
2. Relate specific spectral patterns to their parent elements
3. Examine and explain the luminous properties of glowing watch hands with magnifying glasses
4. Examine and identify the source of water condensation from burning methane gas
5. Generate and describe the properties of oxygen
6. Generate and describe the properties of hydrogen
7. Compare and contrast the properties of oxygen and hydrogen
8. Generate and describe the properties of carbon dioxide
9. Examine impurities in tap water
10. Identify saturation of a solution
11. Identify the physical and chemical properties of crystals
12. Demonstrate pigment separation of black ink
13. Understand dissolved solids in liquids
14. Describe and demonstrate how crystals form in supersaturated solutions
15. Compare and contrast endothermic and exothermic reactions
16. Demonstrate pH levels of unknown substances with various types of pH indicators.
17. Identify oxidation and reduction reactions
18. Separate the components of water through hydrolysis
19. Demonstrate the destructive power of isopropyl alcohol on proteins
20. Demonstrate the reactiveness of family I, II, and XVII elements.

Assessment Measures: To be provided by College Campus

Library Resource Center:

The Delta Library and Learning Resource Center is committed to providing quality information and learning resources and services, including technology, in supporting the overall mission of Delta Community College and its commitment to lifelong learning.

Special Accommodations:

Louisiana Delta Community College complies with Section 504 of the Rehabilitation Act, as well as the Americans with Disabilities Act. Students with disabilities who attend the Monroe campus may make a request by contacting the Director of Counseling and Disability Services (See College Directory for contact information.) at the beginning of each semester. Reasonable accommodations will be attempted for students with documented disabilities. If an impairment is identified later in the semester, a non-retroactive accommodation plan will be developed. Students at satellite campuses should contact the Coordinator of Student Affairs at their particular campus.

Title IX:

Louisiana Delta Community College is committed to protecting the rights of students, which includes compliance with Title IX requirements. As such, the institution and members of our community will not tolerate the offenses of dating violence, domestic violence, sexual assault, and stalking. Students with Title IX concerns should contact the College's Title IX Coordinator (See College Directory for contact information.) Students are required to complete Sexual Assault Awareness and Prevention Online Training. Access to this online course will be sent out through the Delta email account.

Student Code of Conduct:

Louisiana Delta Community College encourages an environment of academic integrity and mutual respect. Students should read and follow both academic and behavioral expectations identified in the Code of Student Conduct that can be found online at www.ladelta.edu. Students are expected to act with integrity, respect the rights of others, and conduct themselves in a professional manner. The Honor Code prohibits academic misconduct such as cheating, engaging in unauthorized collaboration, and plagiarism. Violations of the Code of Student Conduct may result in disciplinary action as provided in the Code. Incidents are reported through the online Student Conduct system.