

- Instructor information

Instructor:**Dr. Grazyna E.Orzechowska****E-mail: orzechg@lamission.edu.****Lecture: T Th 5:15 – 7:20 pm****CMS #028****Laboratory: T Th 7:30- 8:55 pm****CMS #201****Office hours: Th 4:45-5:15 pm****CMS# 028**

Office hours are times when I have an “open door” policy and I am available to answer any questions you have about the material.

- Course description, Prerequisites and exclusion from the course
 - Student Learning Outcome (SLO)
 - Course resources and requirements
1. Canvas
 2. Textbook and homework access
 3. Basic Scientific Calculator
 4. Attendance and in class behavior
 5. Academic Integrity
- Laboratory requirements and grades
 - Campus Resources
 - Grading Policies
 - Tentative lecture schedule and Laboratory schedule
 - Notes relating to absences on tests

Course description

Chem. 51 is an introductory class in general chemistry and is designed for students in the following majors: Nursing, Allied Health Sciences; Dietetics, Physical Therapy, Food Science & Environmental & Occupational Health. This course may also be taken to satisfy the Physical Science requirement for General Education. Chemistry 51 at LA Mission College is equivalent to Chemistry 103 or Chemistry 105 at CSUN.

Prerequisites and exclusion from the course

- Mathematics 115 (Elementary Algebra) with a grade of “C” or better, or appropriate placement results.
- College regulations state that a student may be excluded from a course following accumulation absences equal to a week of course work.
- **Adhere to Academic Calendar 2018-2019 for Administrative Issues.**

After completing this class you will be able to:

- Conceptualize, model and explain chemical processes qualitatively at the molecular level.
- Express mathematically and solve quantitative chemical problems.
- Extract appropriate information, analyze and synthesize experimental results to reach correct conclusions.
- Perform laboratory techniques safely and accurately and maintain a laboratory notebook according to standard scientific guidelines.
- Represent and interpret data graphically.

Course resources and requirements

- **Canvas**

Official class site (mandatory, free) from the LAMMISSION home page

New students: Login to SIS, go to <https://mycollege.laccd.edu>

Current students: go to <https://student.laccd.edu>

This site is your source of all information pertaining to our class: exams, grades, quizzes, lecture notes, lab reports etc.

- **Chem 101 app (mandatory)** <https://www.101edu.co/> . It is the online resource for our HWs , quizzes ,and practice problems. The cost is \$25.00. Use the code **S5D4AS** to register (put your LA Mission email while registering).

Textbooks and homework access

- **Textbook:** "General, organic and biological chemistry; structure of life" by K.C. Timberlake, you may purchase/borrow any edition of that textbook.
- **Laboratory Manual:** Procedures for the labs are posted on our Canvas Class.

The Periodic Table: The PT is posted on our Canvas class. Print it out and bring to class every time.

Basic scientific calculator: You should have access to a basic scientific calculator (required), for example a TI-30X IIS. PROGRAMMABLE OR GRAPHING CALCULATORS OR ANY DEVICE WITH COMMUNICATIONS CAPABILITY, SUCH AS A CELLPHONE, TABLET OR LAPTOP IS NOT ALLOWED TO DO CALCULATIONS.

Attendance: You are expected to attend *every* class. Attendance means you should arrive on time, be willing to participate in class discussions and be prepared. As a minimum, you should read through the appropriate textbook and/or lecture material *before* class. Disruptive students will be asked to leave.

You may not audio or video record the class in any way without my permission. **The use of computers, tablets, cell phones are not allowed in class unless otherwise stated.**

Academic Integrity: Academic dishonesty is not acceptable. If you use material from an electronic or other sites you are required to cite it properly. IF OTHERWISE STATED, EVERYTHING YOU TURN IN FOR COURSE CREDIT MUST BE YOUR OWN WORK. CHEATING DURING EXAMINATIONS has become a serious issue and I will take measures to reduce its frequency, including audio/video recording, electronic monitoring, cell phone surrender and additional proctors. Your assignment will be subject to a failing grade and the Dean of Students will be notified for possible further action. The consequences for academic dishonesty are extremely serious and may result in an F grade in the class and notification to the Dean of Students regardless of any grade/score earned to that point. **The use of computers, tablets, cell phones are not allowed in class unless otherwise stated.**

Laboratory requirements

No make up for labs will be possible. Please set your schedule accordingly to this course meeting time.

- **Safety Goggles** (you may purchase them in the bookstore or from any other sources) are mandatory in the lab.
- You need to bring to class the respective **lab procedure**. The lab procedures are available on our Canvas class in module Laboratory ""
- You need to have a **lab-notebook** and bring to every laboratory period. The lab notebook is a quadrille paper, hard cover "Comp Book" and you must have it by the second class meeting. The details of the lab notebook organization and keeping up are provided on our Canvas class in the module "Laboratory". **You will only be allowed to use your lab-notebook during laboratory tests.**
- Wearing goggles and following laboratory safety procedures will be strictly enforced.
- Attire:

You must wear pants that cover ankles.

No skirts are allowed-unless required by Religious/Cultural reasons; they have to be long enough to cover ankles

You must wear closed toed & closed heeled shoes. Sandals, high-heel etc., shoes, are not

permitted in the lab. Tank tops and shorts are not allowed in the lab. Long hair need to be tied back and secured.

- If you come to the lab wearing improper attire you will be excused and you will lose points for that experiment.

LAB REPORTS AND GRADES

Lab reports need to be submitted at beginning of the next laboratory exercise. The grade will be directly posted to your Canvas grades.

Each laboratory report is worth of 10 points if not otherwise stated.

If you miss a laboratory class you will receive 0 points (lab make up is not possible)

Late reports will not be accepted and graded.

Campus Resources

"LAMC students with verified disabilities who are requesting academic accommodations should use the following procedure:

Step 1: Obtain documentation of your disability from a licensed professional. You may contact DSPS to request a ***Disability Verification Form***.

Step 2: Make an appointment to meet with a DSPS Specialist to review your documentation and discuss reasonable accommodations. To schedule a meeting, please call DSPS at (818) 364-7732.

Step 3: Bring your disability documentation to your DSPS appointment. The DSPS office is located in room 1018 of the Instructional Building.

Step 4: *Each semester*, reach written accommodation agreement with the DSPS Specialist and your instructor.

Please complete this process in a timely manner to allow adequate time to provide accommodation."

Grading Policies

Assignment	Points
Activities in class ; unlock you score-UnYs (<i>you have to participate in class to obtain points</i>)	70
Homeworks (Canvas / Chem.101)	70
3 Laboratory tests (no make-up test will be provided)	150
4 Exams-Lecture (no make-up tests will be provided)	400
Laboratory (no make-up labs are possible)	140
TOTAL POINTS	830

A percentage will be calculated and you will receive a grade based upon the following scale:

F 0-49%; **D** 50-59%; **C** 60-75%; **B** 76-83%; **A** 84-100%

The percentage required to achieve the grades above will never increase.

Chem. 51 Schedule of Lectures

NOTE: * Lab schedule is set. Other schedules are tentative.

Date	Chapter	Lecture Topic	Laboratory
Feb 5, 7	1	Chemistry in our lives	Lab safety and Exp. 1-What chemist do
Feb 11, 14	2	Chemistry and measurements	Exp. 2 –Measurements, graphing
Feb 19, 21	2	Chemistry and measurements	Exp. 4 - Separation of sand
Mar 5 Mar 7	3	Exam -1 (ch- 1, 2) Matter and Energy	Exp. 5 – Physical properties of household liquids
Mar 12, 14	3	Matter and Energy	Lab Test-I exp. 1, 2,4,5 Exp. 7-Specific heat of water and Specific heat of metal
Mar 19, 21	4	Atoms and elements	Exp. 15 - Identification of metal ions
Mar 26, 28	4/6	Atoms and elements Ionic and molecular compounds	Exp. 17 Molecular shape and Polarity
Apr 2, 4		SPRENIG BREAK-no classes	
Apr 9 Apr 11	6 /7	Exam 2 (ch-3, 4) Ionic and molecular compounds Chemical reactions and quantities	Exp. 10 –Combination and decomposition reactions
Apr 16, 18	7	Chemical reactions and quantities	Lab Test-II exp. 7,15,17 Exp. 11- Single displacement reactions
Apr 23, 25	7	Chemical reactions and quantities	Exp. 9 – Percentage of copper
Apr 30 May 2	7/9	Chemical reactions and quantities Solutions	Exp. 13 – Table salt from baking soda
May 7 May 9	9	Exam 3 (ch-6, 7) Solutions	Exp. 3- Electrolytes and non-electrolytes
May 14, 16	9	Solutions	Exp. 12- Double displacement reactions and properties of acids and bases
May 21 May 23	8	Gases	Lab Final Test-III (exp. 3,9,10,11,12,13) and checkout.
May 30 5:30-7:30 pm		Exam-4 (ch-8, 9)	

Chem. 51 Schedule of Laboratories, T & Th, 7:30-8:55 pm, CMS#201

Week	Date	Exp. #	Activity
1	Feb 5, 7	1	Lab safety and <i>Exp. 1-What chemist do</i>
2	Feb 11, 14	2	Exp. 2 –Measurements, graphing
3	Feb 19, 21	4	Exp. 4 - Separation of sand
4	Mar 5, 7	5	<i>Exp. 5 – Physical properties of household liquids</i>
5	Mar 12, 14	7	Lab Test-I exp. 1, 2,4,5 Exp. 7-Specific heat of water and Specific heat of metal
6	Mar 19, 21	15	Exp. 15 - Identification of metal ions
7	Mar 26, 28	17	Exp. 17 Molecular shape and Polarity
8	Apr 2, 4		SPRING BREAK-no classes
9	Apr 9,11	10	Lab Test-II exp. 7, 15, 17 Exp. 10 –Combination and decomposition reactions
10	Apr 16, 18	11	Exp. 11- Single displacement reactions
11	Apr 23, 25	9	Exp. 9 – Percentage of copper
12	Apr 30 May 2	13	Exp. 13 – Table salt from baking soda
13	May 7 May 9	3	<i>Exp. 3- Electrolytes and non-electrolytes</i>
14	May 14, 16	12	Exp. 12- Double displacement reactions and properties of acids and bases
15	May 21		Lab Final Test-III (exp. 3,9,10,11,12,13) and checkout.

Notes related to absences on tests

1. There will be 3 one-class period multiple-choice examinations focused on specific parts of the material and one 2h cumulative multiple-choice final examination.
2. You will score 0 for any missed examination unless you contact me with a LEGITIMATE, DOCUMENTED REASON FOR AN UNFORESEEN AND UNAVOIDABLE ABSENCE.
Acceptable reasons for excused absences include injury or significant illness (with a doctor's note), military duty (with signed orders), jury duty (with jury notice), or traffic accident (with police report). Documentation must be presented to me at the next class you are able to attend.
Unacceptable reasons for excused absences include transportation delays, vehicle breakdowns, oversleeping, vacation plans, family commitments, or work commitments.
3. DO NOT MAKE VACATION or TRAVEL PLANS THAT CONFLICT WITH YOUR FINAL EXAM! It is your responsibility to check your examination schedule: you will not be allowed to take an early or late "make-up" examination. The final examination date and time is available in the class Syllabus and as your register for the class. It is scheduled on Th December 9 for our class. YOU WILL BE ALLOWED TO TAKE AN EXAMINATION ONLY ONCE and cannot appeal afterwards to retake it because you felt your performance was impaired for some undisclosed reason. Instead notify the instructor BEFORE an examination.