



SAINT LOUIS UNIVERSITY
MADRID

CHEM 1115 M36: Introduction to General Chemistry I Lab
Spring 2018

Class Days and Time: W, 19:00-21:50

Classroom: PAH-22

Prerequisite(s): None

Credit(s): 1

Instructor: Carl-Gustaf Saluste, PhD

Instructor's Email: csaluste@slu.edu

Instructor's Campus Phone: 91 554 58 58, ext. 266

Office: PAH Science Room, 1st Floor

Office Hours: M, 13:30-14:30

Course Description:

This lab course is aimed to complement the General Chemistry lecture course by introducing a number of practical experiments. You will be exposed to aspects of basic chemical laboratory techniques and also some fundamentals of qualitative and quantitative chemical analysis. You should make sure to read the lab manual and textbook before attending the lab sessions. Do also take time to prepare prelab questions, as this helps you understanding the purpose of the lab. After each lab you must hand in a lab report with answers to the assignment questions, when applicable. The reports will be graded according to the usual scale (A-F), and I want to emphasize that grading is more subjective than in a written exam. It is difficult to put boundaries (e.g. A: 93-100%), but good advice is to be very critical when you write the report. I will for instance be more willing to give a good grade to a student who has had some problems with the experiment, but explains it and tries to come up with a reasonable explanation as to why something went wrong, and shows understanding of the theory, rather than someone turning in ½ page of great results with no explanation whatsoever. Please read the instructions about lab reports and grading in the lab manual. In general, I am rather understanding with the first lab report and I am happy to give you detailed feedback as help for further report writing.

ALL LAB REPORTS SHOULD BE SENT TO ME BY EMAIL BEFORE THE NEXT LAB SESSION. PRELAB QUESTIONS SHOULD BE TURNED IN AT THE BEGINNING OF EACH LAB SESSION.

Course Goals and Student Learning Outcomes: At the end of the course, students will:

- Be able to use simple measuring devices such as precision balances, pipettes and graduated cylinders.
- Understand how stoichiometry works at a practical level.
- Develop observation skills and documentation abilities necessary for practical scientific work. - Be able to use pH-meters and perform titrations.
- Understand the basics of thermodynamics applied to chemistry.

Saint Louis University - Madrid Campus is committed to excellent and innovative educational practices. In order to maintain quality academic offerings and to conform to relevant accreditation requirements, the Campus regularly assesses its teaching, services, and programs for evidence of student learning outcomes achievement. For this purpose anonymized representative examples of student work from all courses and programs is kept on file, such as assignments, papers, exams, portfolios, and results from student surveys, focus groups, and reflective exercises. *Thus, copies of student work for this course, including written assignments, in-class exercises, and exams may be kept on file for institutional research, assessment and accreditation purposes.* If students prefer that Saint Louis

University - Madrid Campus does not keep their work on file, they need to communicate their decision in writing to the professor.

Required Texts and Materials:

CHEM-1115 Lab manual, available from the bookstore. Notebook.

Attendance Policy:

Students must attend all lab sessions. Any absence needs to be supported by written documentation (doctor's note, missed flight certificate...). N.B: A pharmacy receipt for the purchase of a generic drug is not accepted. Lab starts at 19:00 SHARP, and students arriving more than 5 minutes late, will not be allowed to take the lab. This will be applied after one warning.

Course Requirements and Grading Rationale/System:

You should all use the CHEM1115-M36 lab manual available from the bookstore. For further reference, the textbook Chemistry, the Central Science by Brown, Le May and Bursten is a good source. Needless to say, the Internet is an immense source of information if used in a sensible way...Do also make sure to bring your own lab coat as they are not provided by SLU. Safety specs are available in the lab and their use is mandatory.

In general, several parts of your performance will be the basis for grading:

Midterm exam: 10%
Final exam: 20%
Lab reports: 60%
Prelab questions: 5%
Lab notebook: 5%

The grade for each item will be assigned as follows: The midterm- and final exams will be graded by comparing the student's score to the total score. The lab reports will be graded according to the requirements stated in the lab manual. Each lab report should be structured as outlined, and emphasis will be on the fulfilment of the general rule for report writing, stating that a person skilled in the art should be able to reproduce the student's work with only the lab report as source. The prelab questions will not be accepted past the date of the lab session.

The grade will be given following the standard grading scale (A-F).

A	93-100%
A-	90-92.9%
B+	87-89.9%
B	83-86.9%
B-	80-82.9%
C+	77-79.9%
C	73-76.9%
C-	70-72.9%
D	60-69.9%
F	0-59.9%

Please be aware that handing in lab reports and prelab questions on time is extremely important. A one-week delay with respect to the due-dates mentioned above will result in a lowering of your lab reports and/or prelab questions' grade by two positions (e.g. an A grade will become a B+). Lab reports and prelab questions handed in with more than a one-week delay with respect to the due-dates will not be corrected by the instructor and an F grade will be given automatically.

You are not allowed to miss more than three lab sessions (independent of the absence reason), which will automatically result in the grade F or the entire course.

E-mail: Campus and course announcements will often be handled by e-mail. Students should check their "@slu.edu" e-mail regularly.

University Statement on Academic Integrity: Academic integrity is honest, truthful and responsible conduct in all academic endeavors. The mission of Saint Louis University is "the pursuit of truth for the greater glory of God and for the service of humanity." Accordingly, all acts of falsehood demean and compromise the corporate endeavors of teaching, research, health care and community service via which SLU embodies its mission. The University strives to prepare students for lives of personal and professional integrity, and therefore regards all breaches of academic integrity as matters of serious concern.

The governing University-level Academic Integrity Policy can be accessed on the Provost's Office [website](#). Additionally, SLU-Madrid has posted its academic integrity policy online: <http://www.slu.edu/madrid/academics>. As a member of the University community, you are expected to know and abide by these policies, which detail definitions of violations, processes for reporting violations, sanctions and appeals.

The professor will review these matters during the first weeks of the term. Please direct questions about any facet of academic integrity to your faculty, the chair of the department of your academic program, or the Academic Dean of the Madrid Campus.

University Title IX Statement: Saint Louis University and its faculty are committed to supporting our students and seeking an environment that is free of bias, discrimination, and harassment. If you have encountered any form of sexual misconduct (e.g. sexual assault, sexual harassment, stalking, domestic or dating violence), we encourage you to report this to the University. If you speak with a faculty member about an incident of misconduct, that faculty member must notify SLU's Title IX deputy coordinator, Marta Maruri, whose office is located on the ground floor of Padre Rubio Hall, Avenida del Valle, 28 (mmaruri@slu.edu; 915-54-5858, ext. 213) and share the basic fact of your experience with her. The Title IX deputy coordinator will then be available to assist you in understanding all of your options and in connecting you with all possible resources on and off campus.

If you wish to speak with a confidential source, you may contact the counselors at the SLU-Madrid's Counseling Services on the third floor of San Ignacio Hall (counselingcenter-madrid@slu.edu; 915-54-5858, ext. 230) or Sinews Multiplettherapy Institute, the off-campus provider of counseling services for SLU-Madrid (www.sinews.es; 917-00-1979). To view SLU-Madrid's sexual misconduct policy and for resources, please visit the following web address: <http://www.slu.edu/Documents/Madrid/campus-life/SLUMadridSexualMisconductPolicy.pdf>.

Students with Special Needs: In recognition that people learn in a variety of ways and that learning is influenced by multiple factors (e.g., prior experience, study skills, learning disability), resources to support student success are available on campus. Students who think they might benefit from these resources can find out more about:

- Course-level support (e.g., faculty member, departmental resources, etc.) by asking your course instructor.
- University-level support (e.g., tutoring/writing services, Disability Services) by visiting the Academic Dean's Office (San Ignacio Hall) or by going to <https://www.slu.edu/madrid/academics/student-resources>.

Students with a documented disability who wish to request academic accommodations must contact Disability Services to discuss accommodation requests and eligibility requirements. Once successfully registered, the student also must notify the course instructor that they wish to access accommodations in the course. Please contact Disability Services at disabilityservices-madrid@slu.edu or +915 54 58 58, ext. 230 for an appointment. Confidentiality will be observed in all inquiries. Once approved, information about the student's eligibility for academic accommodations will be shared with course instructors via email from Disability Services. For more information about academic accommodations, see "Student Resources" on the SLU-Madrid webpage.

Note: Students who do not have a documented disability but who think they may have one are encouraged to contact Disability Services.

Spring 2018 Course Schedule:

JANUARY	
Wednesday 10	First Day of Classes
Thursday 11	
Friday 12	
Monday 15	
Tuesday 16	
Wednesday 17	Introduction to CHEM1115: Safety talk and housekeeping rules.
Thursday 18	
Friday 19	
Sunday 21	Last Day to Drop a Class without a Grade W and/or Add a Class; Last Day to Choose Audit (AU) or Pass/No Pass (P/NP) Options
Monday 22	
Tuesday 23	
Wednesday 24	Lab 1
Thursday 25	
Friday 26	No Classes Application Deadline for Spring Semester Degree Candidates
Monday 29	
Tuesday 30	
Wednesday 31	Lab 2
FEBRUARY	
Thursday 1	
Friday 2	
Monday 5	
Tuesday 6	
Wednesday 7	Lab 3
Thursday 8	
Friday 9	
Monday 12	
Tuesday 13	
Wednesday 14	Ash Wednesday. Registration for Summer 2018 Begins Lab 4
Thursday 15	
Friday 16	
Monday 19	
Tuesday 20	
Wednesday 21	Lab 5
Thursday 22	No Classes (Winter Break)
Friday 23	
Monday 26	
Tuesday 27	Professors' Deadline to Submit Midterm Grades
Wednesday 28	Lab 6
MARCH	
Thursday 1	
Friday 2	
Monday 5	
Tuesday 6	
Wednesday 7	Midterm exam

Thursday 8	
Friday 9	Last Day to Drop a Class and Receive a Grade of W
Monday 12	
Tuesday 13	
Wednesday 14	Lab 7
Thursday 15	Last Day to Submit Transfer Application for Fall Semester
Friday 16	
Monday 19	
Tuesday 20	
Wednesday 21	Lab 8
Thursday 22	
Friday 23	
Monday 26	<i>Semana Santa</i> Holiday (Campus Closed)
Tuesday 27	
Wednesday 28	
Thursday 29	<i>Jueves Santo</i> (Campus Closed)
Friday 30	<i>Viernes Santo</i> (Campus Closed)
APRIL	
Monday 2	
Tuesday 3	
Wednesday 4	Registration for Fall 2018 Semester Begins. Lab 9
Thursday 5	
Friday 6	
Monday 9	
Tuesday 10	
Wednesday 11	Lab 10
Thursday 12	
Friday 13	
Monday 16	
Tuesday 17	
Wednesday 18	Lab 11
Thursday 19	
Friday 20	
Monday 23	
Tuesday 24	
Wednesday 25	Final Exam
Thursday 26	
Friday 27	
Monday 30	
MAY	
Tuesday 1	<i>Día del Trabajador</i> (Campus Closed)
Wednesday 2	<i>Día de la Comunidad</i> (Campus Closed)
Thursday 3	Spring 2018 Final Day of Classes
Friday 4	Spring 2018 Final Exams
Monday 7	
Tuesday 8	
Wednesday 9	
Thursday 10	
Friday 11	University Housing Move-out Date
Saturday 12	Commencement
Sunday 13	Professors' deadline to submit spring 2018 final grades

Final Exam Schedules Spring 2018

	4 May (Fr)	7 May (Mn)	8 May (Tu)	9 May (Wd)	10 May (Th)
08:30-11:30	Mn classes that meet at 9:00 & 9:30	Mn classes that meet at 10:00	Mn classes that meet at 11:00 & 11:30	Tu classes that meet at 9:30	Tu classes that meet at 8:00
12:00-15:00	Tu classes that meet at 11:00	Mn classes that meet at 13:00	Tu classes that meet at 14:30	Mn classes that meet at 12:00 & 12:30	Tu classes that meet at 12:30
15:30-18:30	Mn classes that meet at 14:30	Tu classes that meet at 17:00 & 17:30	Mn classes that meet at 16:00	Tu classes that meet at 16:00	Mn classes that meet at 17:30
19:00-22:00	---	---	Mn classes that meet at 18:30 & 19:00	Tu classes that meet at 19:00	---