# Cover Sheet: Request 11599

**CHM2095L Chemistry Lab 1 for Engineers**

## Info

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<tr>
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<td>Submitter</td>
<td>Korolev,Maria V <a href="mailto:korolev@chem.ufl.edu">korolev@chem.ufl.edu</a></td>
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<td>Description of request</td>
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## Actions

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No document changes
Course|New for request 11599

Info

Request: CHM2095L Chemistry Lab 1 for Engineers
Description of request: Laboratory experiments designed to complement CHM2095.
Submitter: Pharies, David A pharies@ufl.edu
Created: 9/22/2017 2:50:37 PM
Form version: 3

Responses

Recommended Prefix: CHM
Course Level: 2
Number: 095
Category of Instruction: Introductory
Lab Code: L
Course Title: Chemistry Lab 1 for Engineers
Transcript Title: Chm Lab 1 for Eng
Degree Type: Baccalaureate

Delivery Method(s): On-Campus
Co-Listing: No

Effective Term: Fall
Effective Year: 2018
Rotating Topic: No
Repeatable Credit: No

Amount of Credit: 1

S/U Only: No
Contact Type: Regularly Scheduled
Weekly Contact Hours: 3

Course Description: Laboratory experiments designed to complement CHM2095.
Prerequisites: None.
Co-requisites: CHM2095

Rationale and Placement in Curriculum: We are attempting to make a course tailored to a target population of engineering students. This course is part of the ongoing effort to improve retention of students in engineering, especially women and underrepresented minorities. It is specifically designed to show the content in context so that students see the application of chemistry to engineering.

Course Objectives: At the end of the course, students should be able to:
- Demonstrate laboratory techniques
- Follow and design experimental procedures
- Record, graph, and interpret data
- Apply chemical concepts to solve problems
- Relate chemistry to real world problems. The biggest difference about this lab from the normal general chemistry is that the labs are centered around real world applications that are relevant to engineering. Each of the labs is targeted around one of the NAE Grand Challenges for Engineering and shows how chemistry techniques can be used to address those problems.
Course Textbook(s) and/or Other Assigned Reading: None. The lab manual will be provided through Canvas.

Weekly Schedule of Topics: Week 1: No lab during add/drop
Week 2: Check-in/Measurement Lab 1
Week 3: Aqueous Reactions Lab 1
Week 4: Aqueous Reactions Lab 2
Week 5: Aqueous Reactions Lab 3
Week 6: Thermochemistry Lab 1
Week 7: Thermochemistry Lab 2
Week 8: Thermochemistry Lab 3
Week 9: Properties of Phases Lab 1
Week 10: Properties of Phases Lab 2
Week 11: Properties of Phases Lab 3
Week 12: Make-up Days
Week 13: Practical/Check-out

Disabilities Accomodations: http://www.dso.ufl.edu/drc/
U Matter, We Care: umatter@ufl.edu
Evaluations: https://evaluations.ufl.edu
Attendance Policy: https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx
Grading Policy: https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx

General Education Requirements

Grading Scheme: Pre-Lab Quizzes 20%
Post-Lab Quizzes 20%
Lab Assignments 40%
Lab Practical 20%

Grades:
90%-100% A, 87%-89% A-, 84%-86%B+, 80%-83% B, 77%-79% B-, 74%-76% C+, 70%-73% C, 67%-69% C-, 64%-66% D+, 60%-63% D, 0%-59% E

Instructor(s): Maria Korolev