# Cover Sheet: Request 11599

**CHM2095L Chemistry Lab 1 for Engineers**

## Info

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<tr>
<td>Submitter</td>
<td>Maria Korolev <a href="mailto:korolev@chem.ufl.edu">korolev@chem.ufl.edu</a></td>
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<td>2/8/2018 2:33:39 PM</td>
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**Description of request:** Laboratory experiments designed to complement CHM2095.

## Actions

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<th>User</th>
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<td>CLAS - Chemistry 011606000</td>
<td>Alexander Angerhofer</td>
<td>5/17/2017</td>
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<td>CLAS - College of Liberal Arts and Sciences</td>
<td>David Pharies</td>
<td>9/22/2017</td>
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<td>Brandi Baker</td>
<td>Added to October agenda</td>
<td>9/22/2017</td>
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<td>Casey Griffith</td>
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<td>Joseph Spillane</td>
<td>2/8/2018</td>
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EGconsult.docx | 2/8/2018 |

University Curriculum Committee | Pending | PV - University Curriculum Committee (UCC) | 2/8/2018 |

Statewide Course Numbering System | No document changes |

Office of the Registrar | No document changes |

Student Academic Support System | No document changes |

Catalog | No document changes |

College Notified | No document changes |
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Course|New for request 11599

Info
Request: CHM2095L Chemistry Lab 1 for Engineers
Description of request: Laboratory experiments designed to complement CHM2095.
Submitter: David Pharies 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

**Links and Policies**

Honor Code: https://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/

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
Joe,

We’ve met and discussed this in our College. Based on these discussions and plans to provide updates and include various engineering faculty, we would like to move forward with the course being offered.

Thanks,
Curtis