**Chemistry 3A Lab, Fall 2015 Course Syllabus**

**Reedley College, SCCCD**

**Course Info:**

Course #: 56105 – Lab on Wed 11:00am-1:50pm in PHY-82

**Instructor and Contact Information:**

Instructor: Kurtis Thiesen

Office: HUM 61

Office Hours: M 8-9am; W/F 9-10am; T/Th 11am-12pm

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 **Lab Schedule:**

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| Week | **Dates** | **Lab** |
| 1 | Aug 17-21 | Safety, Safety Quiz. Check into lockers |
| 2 | Aug 24-28 | Exp 3. Density of liquids and solids |
| 3 | Aug31-Sep 4 | Exp 1: Properties and changes of matter |
| 4 | Sept 7-11 | Exp 4: Relative masses of Zn and Cu |
| 5 | Sept 14-18 | Exp 5: Empirical Formulas of a Compound |
| 6 | Sept 21-25 | **Lab Quiz 1 (labs 1, 3, 4, safety and lab equipment)**Exp 6: Percentage of oxygen in potassium chlorate |
| 7 | Sep 28-Oct 2 | Exp 13: Percent water in hydrates |
| 8 | Oct 5-9 | Exp 7: Reaction Types: Copper Chemistry  |
| 9 | Oct 12-16 | Exp 2 : Calorimetry experiment |
| 10 | Oct 19-23 | **Lab Quiz 2 (labs 5,6,7,and 13)**Exp 8: Alum production from scrap aluminum  |
| 11 | Oct 26-30 | Lewis diagrams and molecular models |
| 12 | Nov 2-6 | Exp 14: Molar mass of a volatile gasExp 9: Production of hydrogen gas  |
| 13 | Nov 9-13 | **No Lab – Veteran’s Day Holiday on Wed, Nov 11** |
| 14 | Nov 16-20 | Exp 11: Acid base titration lab, mock practical |
| 15 | Nov 23-27 | **Lab practical-**acid base titration (Half of class) |
| 16 | Nov 30-Dec 4 | **Lab practical-**acid base titration (Other half of class) |
| 17 | Dec 7-11 | **Lab Quiz 3 (Labs 2,8,9,14 and Lewis diagrams).** Check out |
| **18** | **Finals Week** | No lab |

**Attendance (taken from Ms. Cornel’s syllabus):** Attendance in lecture and lab is mandatory. The student will be dropped automatically if she/he misses the first day of class without contacting the instructor. If a student misses more than 25% of the lectures/labs, without contacting the instructor with a valid excuse, they will also be dropped. If you miss a lecture you need to read and summarize the chapter in the textbook **before** meeting with the instructor to discuss any problems. The homework will be on the internet notes so that you can do the homework even if you missed the lecture. **There will be no make-up exams**. The **final exam grade** will count as an exam and will also be counted for the grade for the missing exam. If you have not missed any exams, and do better in the final exam than one of the earlier exams, the final exam grade will **replace the earlier exam grade**. If you miss two exams you will receive a zero for the second missing exam. If a student is disruptive (including using cell-phones, interrupting the instructor continuously) they may be asked to leave the lecture/lab and recorded as "absent".

**Grading and Exams (from Ms. Cornel’s syllabus):** There will be 5 exams covering the material of previous lectures and a final cumulative exam. These 6 exams will be equally weighted and count 65% all together (13% each).

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| Laboratory (25%) |  |
| Lecture Material (75%) | **Exams 65%** |
|  | **Homework 10%** |

The grading scale to be used is **A** 90-100%, **B** 80-89%, **C** 70-79%, **D** 60-69%, **F** 0-59%

**Lab Grade Breakdown:**

Labs (Prelab + Experiment + Calculations + Questions) – 12%

Lab Practical – 3%

Quizzes (3) – 10%

**Lab Experiment Expectations:** It is important to read the current week’s experiment (background and procedure) carefully before coming to class. This will allow you to complete the pre-lab for the experiment, which is due at the beginning of class. All lab work will be completed during the lab session for a given experiment, but you will be given one week to complete calculations and post-lab questions (i.e. the results/calculations/post-lab analyses for a given experiment will be due at the beginning of lab the next week after the experiment is performed).

**If you have a verified need for an academic accommodation or materials in alternate media (i.e.,Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact the Disabled Student Services as soon as possible.**