

**Course Title**  
**CHEM 1285 - Fall 2015**  
**Professor Mike Tiger, VI**

**Course Description:** This is the course description from the LSU catalog.

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**Contact information:**

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**Office hours:**

**Textbook:** The Central Science by Brown, LeMay, Bursten, 11<sup>th</sup> edition

**15 Week Course Outline:**

|         |               |                                       |
|---------|---------------|---------------------------------------|
| Week 1  | Chapter 1     | Energy and enthalpy                   |
| Week 2  | Chapter 2     | Entropy, equilibrium, and ocean tides |
| Week 3  | Chapter 3     | Free energy                           |
| Week 4  | Chapter 3     | Energy and China                      |
| Week 4  | <b>Exam 1</b> | Coverage: Chapters 1,2,3              |
| Week 5  |               |                                       |
| ...     | ...           | ...                                   |
| Week 15 | Review        | Cumulative                            |

**GRADING Scheme:**

LSU letter grades will be assigned according to this table. Your end of semester numerical grades are rounded up to whole numbers (for example, 94.49 = 94, 94.50 = 95)

|    |              |
|----|--------------|
| A+ | 98-100       |
| A  | 94-97        |
| A- | 90-93        |
| B+ | 87-89        |
| B  | 84-86        |
| B- | 80-83        |
| C+ | 77-79        |
| C  | 71-76        |
| C- | 68-70        |
| D+ | 65-67        |
| D  | 62-64        |
| D- | 58-61        |
| F  | 57 and below |

Final grades will be computed from the following activities:

|                         |     |
|-------------------------|-----|
| Three in-class exams    | 30% |
| Final exam (cumulative) | 25% |
| Homework                | 15% |
| Capstone Project        | 15% |
| Participation           | 10% |
| Attendance              | 5%  |

**Description of Activities that will be Graded:** Describe the activity and the method that will be used to assign a grade.

### **Three Exams**

Exams will be taken in class on scantrons. Exam content will address both conceptual understanding and numerical problem solving. The exam grade will be computed as % correct.

**Final Exam** A comprehensive final exam will be taken on scantrons at the time and date published in the LSU scheduling book. The exam grade will be computed as % correct.

### **Homework**

Homework will be done using the WebAssign online homework system. The homework grade is calculated as an average of the individual percent grades. Due dates are listed on the WebAssign website. Further instructions can be found on the course Moodle site.

### **Capstone Project**

Describe what the student is expected to do, how students are expected to work (individually or in groups), how conflicts will be resolved, how the project will be graded, and the time line for submission. Describe any special activities students must do to complete the project. Examples: (1) Prior to beginning the project, students must file forms and obtain approval from the IRB board to use human test subjects. (2) Students must pass the laboratory safety exam with a grade of B or higher. This exam is administered by the department and can be taken a maximum of two times. Students may not begin the project until this requirement has been satisfied.

### **Participation**

The class participation grade should be used to assess participation in classroom activities but should not be used to assess attendance. The syllabus must specify what activities will be assessed, how the assessment will be determined, and how accommodations will be handled for excused absences. Example: Students will work in groups of 2-3 to solve problems in class. Answers will be submitted using the Turning Point instant response system (clicker). Your in class participation grade will be calculated from this equation:

$$\text{Participation Grade} = \frac{(\text{Your total clicker Pts})}{\text{Total Semester Points}} \times 100$$

“Total Semester Points” in the above equation is adjusted for each student to accommodate excused absences.

### **Class Attendance**

The syllabus must specify how the class attendance grade will be determined and how accommodations will be handled for excused absences. Example: Your attendance grade will be calculated from this formula, where  $N$  represents the number of class meetings in the semester:

$$\text{Attendance Grade} = \frac{(N + 3 - (\text{Number of Unexcused absences}) \times 2)}{N} \times 100$$

The attendance grade has a minimum of 0% and a maximum of 100%.

### **Expectations**

LSU’s general policy states that for each credit hour, you (the student) should plan to spend at least two hours working on course related activities outside of class. Since this course is for three credit hours, you should expect to spend a **minimum of six** hours outside of class each week working on assignments for this course. For more information see: <http://catalog.lsu.edu/content.php?catoid=12&navoid=822>.

### **LSU student code of conduct**

The LSU student code of conduct explains student rights, excused absences, and what is expected of student behavior. Students are expected to understand this code as described here: <http://www.lsu.edu/students/saa/students/codeofconduct.php>. Any violations of the LSU student code will be duly reported to the Dean of Students.

### **Disabilites**

Each course syllabus should contain a statement reflecting compliance with The Americans with Disabilities Act and the Rehabilitation Act of 1973, as amended, Section 504. This link contains 4 example statements: <http://www.lsu.edu/students/disability/faculty-staff/sample-syllabus-statement.php>

### **General Education (if applicable)**

Include a statement declaring that this course is a general education course in the chosen Area and that, as such, material in the course addresses students’ achievement of this General Education Competency: State the competency and state the specific criteria established for this Gen Ed Area.

## **CxC (if applicable)**

Link to statements that should be used for courses using CxC.

<http://sites01.lsu.edu/wp/cxc/cisyllabusstmt/>

## **Academic Success**

The primary ingredients of your academic success are attending class, managing your time efficiently, taking good notes, and developing good critical thinking and communication abilities. LSU has a number of excellent resources that will assist you in developing these skills. The place to begin is the Center for Academic Success (<http://www.lsu.edu/students/cas/>). The CAS offers guidance on what learning strategies are best suited to your talents, tutoring in the basic subjects, and workshops on a variety of topics, from note taking to time management. Communication Across the Curriculum (<http://cxc.lsu.edu>) assist students in developing the communication skills necessary for academic and professional success. Finally, with respect to professional success, the LSU Olinde Career Center (<http://www.lsu.edu/students/careercenter/>) can assist you in choosing a major and a profession that best suits your talents and passions and help you develop a four year career plan to ensure success when you graduate from LSU.