Course Description:

Number and Title:

Chemistry 1151 (CRN 50414)

Credit Hours:

3.0 semester credit hours

Catalog Description:

CHEM 1151 is the first course in a two-semester sequence covering elementary principles of general, organic, and biochemistry designed for allied health science majors (this course is also open to non-science majors). Topics to be covered include elements and compounds, chemical equations, nomenclature, and molecular geometry.

Chemistry 1151 is a three hour credit science course for Area D1 of the Core Curriculum of Clayton State University. This course is usually not taken by science majors. If you are majoring in a science or engineering field, check with the instructor to be sure you are in the correct course.

Course Prerequisites and Co-requisites:
Exit of exemption from Learning Support Math

Note: Due to the co-requisite nature of CHEM 1151 and CHEM 1151L, students dropping CHEM 1151 must also drop CHEM 1151L if enrolled.

Computer Requirement:

Each CSU student is required to have ready access throughout the semester to a notebook computer that meets faculty-approved hardware and software requirements for the student's academic program. Students will sign a statement attesting to such access. For further information on CSU's Official Notebook Computer Policy, please go to http://www.clayton.edu/hub/itpchoice/notebookcomputerpolicy.

Everyday coursework in class will not require the use of a computer. Therefore, unless there is a compelling reason, cleared through the instructor, students should not have their computers open during exams.

My campus e-mail is JonathanLyon@clayton.edu. The course has a web page which can be accessed through my home page at http://www.clayton.edu/faculty/jlyon. Once you have accessed the course webpage, you may wish to “bookmark” this site as you will refer to it often during the semester.

Computer Skill Prerequisites:

1. Be able to use the computer’s operation system (Windows®)

2. Be able to access and send e-mail (Outlook® or Outlook Express®)

Only use your CSU e-mail account or the e-mail system associated with the class to communicate academic information to your instructor.
3. Be able to attach and retrieve attached files via e-mail.

4. Be able to use a Web browser (Internet Explorer®) and search engine

5. Be able to download files from a web site to your computer

6. Be able to use a word processor system (Word®)

7. Be able to use a spread sheet system (Excel®)

Your instructor may have access to more font sets than your computer currently holds. Therefore, there may be some differences in the appearance of symbols when viewing sample exams and exercise sheets. If this is a problem, consult the instructor.

You should develop the habit of checking your e-mail daily. Because of the number of students we typically have, there may be some delay in the instructor's response to an individual's e-mail. Do not send time-sensitive information via email; use the old system of the telephone. A delivered e-mail does not relieve you of the responsibility of informing the instructor about some concern. On the other hand, the instructor may send e-mails with information vital to your success in the course. Check your e-mail often, at least once a day. Instructors will only respond to CSU e-mail addresses.

**In-class Use of Student Notebook Computers:**

Student notebook computers will not be used in the classroom in this course. Computers will be required to access course materials and to communicate with your instructor.

Everyday coursework in class will not require the use of a computer. Therefore, unless there is a compelling reason, cleared through the instructor, students should not have their computers open during the lectures or exams. Computers and/or cell phones cannot be used as a calculator for exams.

**Connect (Online Homework):**
On-line activity will take place using Connect through the textbook publisher. Posting of your work through Connect is a course requirement.

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**Program Learning Outcomes:**

General education outcomes:

The Clayton State University Core Curriculum outcomes (see Area D) are located on pages 107 and 108 of the [Academic Catalog and Student Handbook](#).

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**Course Learning Outcomes:**

After completing the course, students will:

- effectively demonstrate the use of dimensional analysis to solve problems.
- exhibit an understanding of the basic atomic structure of matter.
- Exhibit an understanding of the basic chemical reactions: types and calculations inherent within the chemical reaction (stoichiometry).

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**Term:**

Summer Semester 2017

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**Instructor Information:**

<table>
<thead>
<tr>
<th>Dr. Jonathan Lyon</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phone: (678) 466-4733</td>
</tr>
<tr>
<td>Fax: (678) 466-4797</td>
</tr>
<tr>
<td>E-mail: <a href="mailto:JonathanLyon@clayton.edu">JonathanLyon@clayton.edu</a></td>
</tr>
<tr>
<td>Internet: <a href="http://faculty.clayton.edu/jlyon/home">http://faculty.clayton.edu/jlyon/home</a></td>
</tr>
<tr>
<td>Office: Lakeview Discovery and Science Center, Room 235H</td>
</tr>
<tr>
<td>Office Hours: <strong>Tuesday</strong>: 9:00 am – 10:00 am &amp; 3:00 pm – 4:00 pm</td>
</tr>
<tr>
<td><strong>Thursday</strong>: 9:00 am – 10:00 am &amp; 3:00 pm – 4:00 pm</td>
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<tr>
<td>or by appointments scheduled more than 24 hours in advance.</td>
</tr>
</tbody>
</table>
Class Meetings:

<table>
<thead>
<tr>
<th>CRN</th>
<th>Instructor</th>
<th>Days</th>
<th>Times</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>80092</td>
<td>J. Lyon</td>
<td>T &amp; Th</td>
<td>10:00 am – 12:20 pm</td>
<td>Lecture Hall B10</td>
</tr>
</tbody>
</table>

Textbook Information:

Text:


Connect - online homework for textbook

Text Coverage:

Chapters 1-6, 8, and 9

Laboratory Requirement:

The student should note that the laboratory has a co- or prerequisite of this course. If you are currently enrolled in the laboratory, you should take special note that if you withdraw from this course, you must withdraw from the laboratory.

Evaluation:

Your grade in CHEM 1151 is based upon the following components:

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classroom Assessments (3) @ 100 points</td>
<td>300</td>
</tr>
<tr>
<td>In-class quizzes: (4)* @ 25 points</td>
<td>100</td>
</tr>
<tr>
<td>Homework and Assignments on Connect</td>
<td>100</td>
</tr>
</tbody>
</table>
*Quizzes are given on 5 class periods throughout the semester (see schedule below). Only a student's best 4 quizzes are counted (lowest quiz score is dropped). Quizzes and hour exams will be given during regular class periods.

**The final examination will be comprehensive.

**Grading:**

The grade you receive in CHEM 1151 is based upon the following distribution.

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Percentage Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>90.0% or greater</td>
</tr>
<tr>
<td>B</td>
<td>80.0% - 89.9%</td>
</tr>
<tr>
<td>C</td>
<td>70.0% - 79.9%</td>
</tr>
<tr>
<td>D</td>
<td>60.0% - 69.9%</td>
</tr>
<tr>
<td>F</td>
<td>&lt; 60.0%</td>
</tr>
</tbody>
</table>

**Mid-term Progress Report:**

The mid-term grade in this course, which will be issued on or before June 22\textsuperscript{nd}, reflects approximately 25% of the entire course grade. Based on this grade, students may choose to withdraw from the course and receive a grade of "W." Students pursuing this option must fill out an official withdrawal form, available in the Office of the Registrar, or withdraw on-line using the Swan by mid-term, which occurs on June 23\textsuperscript{rd}. Instructions for withdrawing are provided at this link.
The last day to withdraw without academic accountability is June 23rd.

Tentative Course Schedule:

The instructor reserves the right to change the schedule as necessary and will communicate any changes clearly to the class.

<table>
<thead>
<tr>
<th>Dates</th>
<th>Topic</th>
<th>Chapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/23, 5/25</td>
<td>Introduction Chemistry: Methods and Measurement</td>
<td>1</td>
</tr>
<tr>
<td>5/29</td>
<td>Memorial Day Holiday – University Closed Today</td>
<td>.</td>
</tr>
<tr>
<td>5/30, 6/1</td>
<td>Atoms and the Periodic Table Quiz 1 on Tu. 5/30</td>
<td>2</td>
</tr>
<tr>
<td>Tuesday, June 6th</td>
<td>Exam 1 during scheduled class period</td>
<td>1, 2</td>
</tr>
<tr>
<td>6/6, 6/8, 6/13</td>
<td>Structure and Properties of Compounds Quiz 2 on Tu. 6/13</td>
<td>3</td>
</tr>
<tr>
<td>6/15, 6/20</td>
<td>Calculations / Chemical Changes and Equations Quiz 3 on Th. 6/15</td>
<td>4</td>
</tr>
<tr>
<td>Thursday, June 22nd</td>
<td>Exam 2 during scheduled class period</td>
<td>3, 4</td>
</tr>
<tr>
<td>June 23</td>
<td>Mid-Term (Last day to withdraw without academic penalty)</td>
<td>.</td>
</tr>
<tr>
<td>6/22, 6/27</td>
<td>States of Matter</td>
<td>5</td>
</tr>
<tr>
<td>7/3-4</td>
<td>July 4th Holiday – University Closed</td>
<td>.</td>
</tr>
<tr>
<td>6/29, 7/6</td>
<td>Solutions Quiz 4 on Th. 6/29</td>
<td>6</td>
</tr>
<tr>
<td><strong>Tuesday, July 11th</strong></td>
<td><strong>Exam 3 during scheduled class period</strong></td>
<td>5, 6</td>
</tr>
<tr>
<td>------------------------</td>
<td>----------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>7/11, 7/13</td>
<td>Acids and Bases Quiz 5 on Th. 7/13</td>
<td>8</td>
</tr>
<tr>
<td><strong>July 12 – July 19</strong></td>
<td><strong>Course/Instructor Evaluation Period</strong></td>
<td>.</td>
</tr>
<tr>
<td>7/18</td>
<td>The Nucleus &amp; Radioactivity</td>
<td>9</td>
</tr>
<tr>
<td><strong>July 20</strong></td>
<td><strong>Last Day of Classes</strong></td>
<td>.</td>
</tr>
<tr>
<td><strong>Thursday, July 20</strong></td>
<td><strong>Final Exam (comprehensive)</strong></td>
<td>1 - 6, 8, 9</td>
</tr>
</tbody>
</table>

*The Final Exam for this class is taken during the last class period.*

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**Course Policies:**

**General Policy**
Students must abide by policies in the Clayton State University Student Handbook, and the Basic Undergraduate Student Responsibilities. The Student Handbook is part of the Academic Catalog and Student Handbook, which begins on page 6.

**University Attendance Policy**
Students are expected to attend and participate in every class meeting. Instructors establish specific policies relating to absences in their courses and communicate these policies to the students through the course syllabi. Individual instructors, based upon the nature of the course, determine what effect excused and unexcused absences have in determining grades and upon students’ ability to remain enrolled in their courses. The university reserves the right to determine that excessive absences, whether justified or not, are sufficient cause for institutional withdrawals or failing grades.

**Course Attendance Policy**
Arriving to class on time is your responsibility. Coming in late is disturbing to the entire class and detracts from the learning experience. If tardiness becomes habitual, the instructor may institute measures to correct this problem. This could range from refusal to allow admittance to class on that day or a deduction of points from the grade.
Class roll will be taken, however, attendance during class is not required except for classroom assessments. You are responsible for all attendance requirements for external programs (e.g., financial aid). It is your responsibility to sign the roll sheet at every class meeting you attend. This roll sheet is the instructor's official record. You will be held responsible for all announcements and material covered in lecture in addition to text, references, handouts, study guides and assignments.

Assignments:

Problems will be assigned throughout the semester. These assignments will vary in length and format, may be given in-class or as homework, and will be graded. Details for each assignment will be announced in class and/or posted on the course website. You may work on these assignments with your classmates (unless otherwise instructed), but each student must submit their own work for grading (either online or to the instructor, depending on the assignment).

Late Policy:

Assignments due in class will be collected at the beginning of the class period. Work turned in after this is considered late. No assignments will be accepted via email unless specified by the instructor. **Late policy with regards to exams:** If a student has an excused absence on an exam day, the student's final exam percentage score will be used in place of the missed exam score. No make-up exams will be given. In order for an absence to be considered excused, the student must contact the instructor within 24 hours and provide a written excuse from a doctor or other competent authority. Without a valid excuse, a grade of zero points will be assigned for any missed exam. **Late policy with regards to quizzes:** Quizzes will be given at the start of classes. No make-up quizzes will be given. The lowest quiz score will be dropped at the end of the semester. If a student misses one (1) quiz, that score will be dropped. If a student misses more than one quiz, the student will be assigned a zero (0) grade for all additional quizzes missed. **Late policy with regards to homework:** Homework is due online through the Connect website at the date and time listed on the website. No late homework assignments will be accepted, and the due date/time will not be extended. Late homework can be completed for practice, but will not count (either positively or negatively) towards a student's homework grade.

The final examination must be taken. Students missing the final examination should contact their instructor concerning the applicability of an **Incomplete grade**.

Additional Problems:

*This course demands and expects approximately three hours of work per night during the summer.* Reading assignments are tentatively made on this syllabus. The student is expected to complete problems from the
textbook upon completion of each topic in class. However, these will not be collected or graded. Completion of these problems is your responsibility.

**Tutoring:**
The Center for Academic Success (CAS) provides tutoring for this course. Appointments can be made through TutorTrac at: http://tutoring.clayton.edu or by contacting the CAS at (678) 466-4070, lower level of the library.

**Calculators:**
Electronic calculators are permitted (encouraged) for homework and assessments. Calculators limited to addition, subtraction, multiplication, division, scientific notation, and log functions are sufficient. You may NOT use a calculator memory for storage of data or information (formulas) for use on assessments or the final. This would result in an automatic zero (0) grade on the assessment. The battery and working of your calculator will be your responsibility. You will find it useful to have your calculator in class. You may not use your computer or cell phone calculators for exams.

**Visitors:**
Friends, children, etc. are strictly prohibited from attending class without the permission of the instructor.

**Academic Dishonesty:**
Any type of activity that is considered dishonest by reasonable standards may constitute academic misconduct. The most common forms of academic misconduct are cheating and plagiarism. Cheating in any form will not be tolerated. Students are not allowed to share their tests or quizzes with future students, nor are they allowed to receive previous tests and quizzes from former students without the permission of the instructor. All instances of academic dishonesty will result in a grade of zero for the work involved. All instances of academic dishonesty will be reported to the Office of Community Standards. Judicial procedures are described beginning on page 19 in the section of the Academic Catalog and Student Handbook titled, Procedures for Adjudicating Alleged Academic Conduct Infractions.

**Assessments:**
There will be three (3) classroom assessments, five (5) quizzes (only four (4) count towards a student’s final grade), and one (1) 2-hour final (comprehensive). The assessments dates are listed on the course schedule above and attendance is mandatory. There will be no make-up assessments.

**Punctuality:**
Arriving to class on time is your responsibility. Coming in late is disturbing to the entire class and detracts from the learning experience. If tardiness becomes habitual, the instructor may institute measures to correct this problem. This could range from refusal to allow admittance to class on that day or a deduction of points from the grade.

Make-ups / Late work:
Due to the difficulty in making up new assessments, missed exercises will be graded as a zero or other arrangements will be made at the discretion of the instructor. Missed quizzes will be graded as a 0. Missed exams with an excused absence will result in an increased percentage worth of the final exam. In order for an absence to be considered excused, the student must contact the instructor within 24 hours and provide a written excuse from a doctor or other competent authority. Without a valid excuse, a grade of zero points will be assigned for any missed exam.

Courtesies to Your Classmates:
1. Arrive to class on time. Do not begin to pack up until the class period is over.
2. Avoid disruptive behavior in class: talking, snoring, children, etc.
3. Cell phones and electrical devices have become a major distraction in the classroom. They are to be turned completely off during the class period (not just to vibrator mode). If one of these devices does go off during class, the offending student may be penalized by:
   a. Having points deducted from his/her grade
   b. Being asked to leave the room and being reported for disruptive behavior.
4. If you must leave early, leave quietly by a back door if possible.
5. Use the pencil sharpener before class begins.
6. No eating, smoking or drinking in the classrooms.

Disruption of the Learning Environment:
Behavior which disrupts the teaching–learning process during class activities will not be tolerated. While a variety of behaviors can be disruptive in a classroom setting, more serious examples include belligerent, abusive, profane, and/or threatening behavior. A student who refuses to respond to reasonable faculty direction regarding classroom behavior and/or behavior while participating in classroom activities may be dismissed from class or having a deduction of points from the grade. A student who is dismissed is entitled to due process and will be afforded such rights as soon as possible following dismissal. If found in violation, a student may be administratively withdrawn and may receive a grade of WF.

More detailed descriptions of examples of disruptive behavior are provided in the Clayton State University Academic Catalog and Student Handbook starting on page 14.
**Student Survey Requirement:**

Students have the responsibility to complete the Student Survey and Course/Instructor Evaluation for each course and each instructor every semester. If this is not done during the allotted time period, the student will be restricted from seeing their final course grade for a period of approximately one week after final exams have ended. Instructors are not allowed to give course grades to those who did not complete these evaluations.

Also, no grades of any kind will be given out over the telephone or email due to federal privacy laws.

_Last update: May 10, 2017_