I. COURSE TITLE AND NUMBER:
Chemistry 1408: Introduction to Organic and Biochemistry
Prerequisite: Chem. 1407

II. INSTRUCTOR:
Dr. Socorro Arteaga
OFFICE NUMBER: CCSB 2.0714
PHONE NUMBER: 747-5279 E-mail: marteaga@utep.edu
OFFICE HOURS: T& TR: 12:00-1:00 pm or by appointment

III. OBJECTIVES:
Covers organic chemistry and biochemistry: classification, molecular structure and nomenclature of organic compounds, the reactions of organic compounds containing functional groups, constitutional isomers, chiral molecules, stereoisomers, the chemistry of carbohydrates, fats, lipids, and proteins and selected biochemical concepts such as metabolism, enzyme-catalyzed reactions, the functioning of vitamins, hormones and nucleic acids.

IV. TEXT BOOK:
"General, Organic, & Biological Chemistry" Structures of Life; by Karen C.Timberlake; Benjamin Cummings Company. Vol II or the whole book if you took CHEM 1407

V. Course Requirements
A. Grading Scale

<table>
<thead>
<tr>
<th>Average Grade</th>
<th>Letter Grade</th>
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<tbody>
<tr>
<td>90-100%</td>
<td>A</td>
</tr>
<tr>
<td>80-89%</td>
<td>B</td>
</tr>
<tr>
<td>70-79%</td>
<td>C</td>
</tr>
<tr>
<td>60-69%</td>
<td>D</td>
</tr>
<tr>
<td>0-59%</td>
<td>F</td>
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</table>

The course grade average includes the lab grade (15% of the total grade). If you fail the lab you automatically will fail the course. If you miss three labs without valid reasons, you will fail the class.

B. Grade Breakdown:
1) Four Exams.................. 45% (Average of the three best grades)
2) Lab Grade................... 15%
3) Final Exam.................. 20%
4) Online H.W................. 15%
5) Attendance.................. 5%

In order for the student; to get credit for the course the following requirements are expected:
a. The Lecture portion of the course should have a minimum average of 67.
b. The Lab grade should be at least 70.
Failure to meet the above criteria, students could earn a grade of “D” or “F”

C. Make-up Exams
No make-up exams will be given without a valid reason (no exceptions!).

VI. Instructor’s Policies

A. Cheating
Students will be dropped from this course for cheating. Cheating consists of submitting someone else's work under your name, obtaining information from someone other than the instructor during an exam.

B. Attendance--Drops
It is the student's responsibility to attend class as per the schedule. It is also the student's responsibility to withdraw from the course for whatever reason. The instructor assumes no responsibility for student withdrawal from the course or for the completion of student's course work. Course expectations are outlined in this syllabus.

C. “I” Grade
A grade of “I” (incomplete) will be assigned at the discretion of the instructor. An “I” may be given only to those students who do not meet the minimum speed requirement but who have completed all other assignments. An “I” will not be given to students who simply do not meet the deadlines.

D. Cellular phones and/or beepers should be turned off during the class period. Students that fail to comply with this policy will be asked to leave the classroom.

E. UTEP offers a variety of services to persons with documented sensory, mental, physical or temporary disabling conditions to promote success in classes. If you have a disability and believe you need services, you are encouraged to contact the Center for Students with Disabilities to discuss your needs with a Counselor. All discussions and documentation are kept confidential.

VII. CALENDAR

All lecture notes, power points and review exams are posted on Black board

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>Chapter 11</td>
<td>“Introduction to Organic Chemistry “</td>
</tr>
<tr>
<td>Chapter 12</td>
<td>“Unsaturated Hydrocarbons”</td>
</tr>
<tr>
<td>Chapter 13</td>
<td>“Alcohols, Phenols, Ethers &amp; Thiols”</td>
</tr>
<tr>
<td>Chapter 14</td>
<td>“Aldehydes &amp; Ketones “</td>
</tr>
<tr>
<td>Chapter 16</td>
<td>“Carboxylic Aids and Esters”</td>
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<tr>
<td>Chapter 18</td>
<td>“Amides and Amines”</td>
</tr>
<tr>
<td>Chapter 15</td>
<td>“Carbohydrates”</td>
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</tbody>
</table>
Chapter 17  “Lipids”
Chapter 19  “Amino Acids and Proteins”

EXAM SCHEDULE:

EXAM I: Chapters: 11 & 12
EXAM II: Chapters: 13 & 14
EXAM III: Chapters 16, & 18
EXAM IV: Chapters 15,17, and 19

FINAL EXAM: DURING FINAL EXAMS WEEK