SYLLABUS
PART II
EDISON STATE COMMUNITY COLLEGE
CHM 110S-802FS Introduction to Chemistry 4 CREDIT HOURS

Instructor: Mark Wanamaker
Office: Room 227
Office Hours: M 3-4 pm; T, H 8-8:30 am & T 10-11 am; F 9 am -12 pm on-line
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Class Meeting Time: asynchronous
Class Meeting Place: On-line

Credentials: MS Chemistry, University of Cincinnati, 2000

Required Materials:

Textbook:

- Ball - Introductory Chemistry – v. 3.0, ISBN (Digital) 979-8-88794-215-5

WEEK	TOPICS	ASSIGNMENTS
1	What is matter? Chemical/Physical properties	Chapter1
1-2	Measurements: Expressing Numbers & Units, Sig. Figs, Conversion, Temperature, Density	Chapter 2
3	Atomic Theory Molecules/Chemical Nomenclature, Masses of Atoms and Molecules, Ions & Ionic Compounds, Acids	Chapter 3, Discussion Board 1 (DB 1), Periodic Table Quiz,
4	Chemical Reactions, and Equations. Balancing equations, Types of reactions	Chapter 4
5	Chapter 1-4	**Test 1**
6	Stoichiometry and the Mole	Chapter 5
7	Gas Laws	Chapter 6, DB 2

8	Chapters 5-6	**Test 2**
9	Energy and Chemistry	Chapter 7
10	Electronic Structure: Light, Periodic Trends	Chapter 8, DB 3
11	**Last Day to Withdraw**	11/23
11	Chemical Bonds: Lewis Dot, Ionic/Covalent Bonds, Molecular Shapes	Chapter 9
12	Chapters 7-9	**Test 3**
13	Solutions: Dilutions, conversions, Colligative Properties of Solutions/Ionic Solutes	Chapter 11
13-14	Solutions/Acid and Bases	Chapter 11/12
14-15	Acid and Bases: Arrhenius/Bronsted-Lowry Acids & Bases, pH Scale, Titrations	Chapter 12
15	Chapters 11-12	**Test 4**
16	cumulative	**Final Exam**, DB 5

CHEM 110 LABORATORY SCHEDULE SECTIONS – 802,4

Lab	EXPERIMENT	Report Due
1	Introduction and Introductory Lab Techniques	8/29
2	Identification of a Substance	9/5
3	Exercise: Formula Writing and Inorganic Nomeclature	9/12
4,5	Introduction to Qualitative Lab Techniques	9/26
6	Practice Exercises: Balancing Equations &	10/3

	Stoichiometry Calculations	
7	Charles' Law	10/10
8	Determination of the Formula of a Hydrate	10/17
9	Calorimetry	10/31
10	Chemical Models	11/7
11	Properties of Acids and Bases	11/21
12	Analysis of a Stomach Acid Tablet	12/4

The class and laboratory schedules are subject to change at any time.

EVALUATION METHODS

There will be four tests and a final exam during the term that will be administered on. Each test will be worth 100 points. A 3 X 5 note card will be allowed for tests but is otherwise closed on-line with Respondus LockDown Browser and Monitor. Calculators are permitted on tests(, but cell phones are prohibited). The final exam will be worth 100 points, and it will be comprehensive. The date of each test will be announced at least one week before the test. Homework will be done on the Flatworld portal and is posted under Content in Blackboard. Each student is required to do a lab report for each experiment. Each lab report will be worth 10 points, except the Qualitative Lab (worth 20 points). The lowest lab score will be dropped and the average of all the other lab scores that a student receives will be used for the dropped score. There will be five Discussion Boards that are worth 10 points each.

EVALUATION PROCEDURES:

Tests (100 pts each)	400 pts
Final Exam (100 pts)	100 pts
Homework	100 pts
Lab Reports (10-20 each)	120 pts
Quiz	20 pts
Discussion Boards	50 pts
Total Points	790 pts

FINAL GRADE STANDARDS

It may be necessary to eliminate some of the lab reports scheduled for this course. If this occurs, the percentages listed below will still be followed when assigning grades, but the number of points needed for each grade will change accordingly.

GRADE	PERCENTAGES	POINTS
A	90 - 100	707.1-790
B	80 - 89	628.1-707.0
C	70 - 79	549.1-628.0
D	60 - 69	470.1-549.0
F	Below 60	<470.1

Borderline cases will depend on the relative distribution of class grades.

CLASS POLICY STATEMENTS

It is the policy of Edison State Community College that students respect ethical standards and exhibit academic honesty in carrying out their academic assignments. Edison is committed to promoting ethical behavior by educating students about academic honesty and creating conditions that foster academic honesty and other ethical behavior.

Information about college-wide policies is available in the student handbook at www.edisonohio.edu/handbook.

Tests may be made up only if the student has a reasonable excuse. If you know ahead of time that you will miss a test, inform your instructor so arrangements can be made for you to take the test. Call or e-mail your instructor as soon as possible if you are going to miss a test. Laboratory work is mandatory. Students who do not complete at least eight lab exercises will fail the course regardless of the total number of points that they accumulate during the semester. Lab reports are due according to the schedule and specific dates/times are found in Blackboard. Late lab reports will have ten percent of their value deducted from the grade. Late lab reports, which are submitted after graded reports for the experiment have been returned to other students, will have at least fifty percent of their value deducted from the grade.

For a college level course, the students should spend 2 to 3 hours outside of class studying and doing homework for every hour that they spend in class.

Tutors will be available in the learning lab to help you.

Homework will be done on-line through the FlatWorld program and can be found in Blackboard.

SCHOOL POLICY STATEMENTS

TESTING YOUR FAITH ACT POLICY

Edison State Community College is committed to providing an environment respectful of students' beliefs. Students are permitted to be absent for up to 3 days each semester based on their faith, religion, or spiritual belief system with no academic penalty. Students must complete the Testing Your Faith Act Accommodations Form, https://www.edisonohio.edu/services-support/registration-records, located in "Forms" and provide a copy to their individual faculty within 14 days from the start of the course. The entire policy can be found in the student handbook at https://www.edisonohio.edu/services-support/student-resources.