**IB Chemistry Syllabus**

**Instructor Information:**

Name: Karen Loweke

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Tutoring Hours: M, W, Th (2:00 -2:45) (Please check with teacher in case of conflicts)

 **Course Description**:

This IB Chemistry course is the second course in the HL sequence for IB chemistry. The specific course content and exam format is detailed in the attached IB publication.

**Required Materials:**

 3 ring binder (optional dividers for chapters)

 Loose leaf paper

 Pens (blue or black) and/or pencils

 Scientific or graphing calculator (while not required, a graphing calculator is recommended. Please check the IB website for approved calculators)

**Grading Policy:**

Nine week grades will be calculated on a total point basis. Daily objectives/work and upcoming assignments are posted on the board. A semester exam will be given. Its percentage value will be determined upon approval by the school/ school board.

Assignment values are as follows:

 *Tests:* 200 points (Tests are usually given after one or two chapters and may include prior material. Tests are multiple choice and free response in the format of the IB exam. Approximately 3 or 4 tests per nine weeks can be expected.)

 *Homework/Classwork:* 50 points per chapter. (Homework will require approximately 2-3 hours per week. This is a fast paced course and you are expected to keep up with the chapter problems and readings. Homework will be checked at the beginning of class and collected prior to tests.)

 *Laboratory Experiments:* 50 points (One formal lab report will be required per quarter and will be worth 100 points)

 *Quizzes:* 25 points (Quizzes will be given at the beginning of class and will be announced in advance. Quizzes will cover current and prior content and be similar to IB test questions.)

 *IA:* The IA will be started in September and is due DECEMBER 8. The IA is required and worth 100 points.

**Academic Honesty:**

All students are expected to be honest and follow the standards of the IB program.

**Make Up Work:**

Students who are absent are expected to complete their make-up assignments within two days of the absence. Make up work will be in the make-up tray on my desk. It is your responsibility to ensure make up work is completed in a timely manner. Any assignment due on the day of an absence is due upon your return to class. Tests/quizzes will be made up during class time upon your return to class. Missed labs will either be made up after school or excused at the teacher’s discretion.

**Late Work:**

You will be given one pass for a late homework assignment per nine weeks . The late assignment will be accepted one day late (if an A day, you must turn it in on the B day). Other late assignments will not be accepted. Late passes may NOT be used on formal lab reports or the IA.

**Class Expectations:**

You are expected to behave in a responsible manner. Please be respectful of others and their belongings. Be on time, prepared for class with all necessary materials. Usage of electronic devices is not allowed in the classroom. You will be asked to put these items away during class time in your backpack in the back of the room. The possession of an electronic device during a test or quiz will result in the issuance of a zero grade with no make-up. Please keep classroom distractions to a minimum—remain in your seat, remain quiet while others are speaking, limit bathroom breaks to between classes. You will be given 4 passes per nine weeks. Failure to follow these expectations will result in a warning, parent contact, or referral. The code of conduct will be followed.

**Additional Help:**

IB chemistry is a fast paced course. If you are struggling, please seek immediate help. I am available for tutoring Monday, Wednesday, and Thursday after school as well as before school Monday through Friday. Please check with me to ensure there is no other conflict on that day. Use your textbook as a resource. Do additional problems beyond those assigned. Make sure you work sample problems during your study time. Review prior material that has been covered. Rework missed problems. I am also available via email if you encounter problems on homework.

**Course Calendar:**

 1st Nine Weeks:

 Measurement and Data Processing and Analysis

 Stoichiometric Relationships

 Atomic Structure

 Periodicity

2nd Nine Weeks:

 Chemical Bonding and Structure

 Energetics and Thermochemistry

 Chemical Kinetics

 Equilibrium

3rd Nine Weeks:

 Acids and Bases

 Redox Processes

 Organic Chemistry

4th Nine Weeks:

 Medicinal Chemistry (Option D)

 IB Review