

5/3/2007

Department of Physical Sciences · Kingsborough Community College · City University of New York

### **PREREQUISITES FOR REGISTRATION IN CHEM 11**

The two prerequisites for enrollment in CHEM 11 (General Chemistry I) are:

1. Successful completion of MATH 09 (College Algebra)
2. Successful completion of CHEM 01 (Preview of General Chemistry)

Students may opt out of the CHEM 01 requirement by receiving a passing score on the CHEMISTRY 01 Exemption exam.

#### **Specific information concerning the CHEM 01 Exemption Exam**

The exam consists of 50 multiple-choice questions taken from topics listed on the reverse side of this announcement. A passing score on the exam is 35 or more correct responses out of 50 (70% or greater). The exam requires approximately two hours to complete. You will be provided with a scantron form. You must bring a scientific calculator and a Number 2 pencil. Books or notes may not be used during the exam. The exemption exam is given in the CHM 001 course during final exam week each semester. Dates and locations for the CHM 001 final exam are posted by the College, usually 1-2 weeks before final exams are given. You should inform the Department of Physical Sciences that you intend to take the exemption exam.

Students may take the exemption exam only once. Students who pass the exemption exam may enroll in CHEM 11. Students who fail the exam must enroll in and pass CHEM 01 before enrolling in CHEM 11.

Results will be available for students within a week of the day the exam is given.

For more information call the Department of Physical Sciences : (718) 368-5746

Preparation for the exemption exam should involve reviewing material from a General Chemistry textbook. Common textbooks include:

<b>Title</b>	<b>Author (s)</b>
Chemistry	Raymond Chang
Chemistry Matter and Its Changes	Brady and Senese
Chemistry the Central Science	Brown, LeMay, and Bursten
Chemistry	Zumdahl and Zumdahl
Chemistry the Molecular Nature of Matter and Change	Silberberg
Chemistry	Olmsted and Williams

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### **EXEMPTION EXAM TOPICS**

- Atoms structure
- Relative Atomic Weight (Atomic Masses)
- Molecules and the Balanced Chemical Equation
- Elements, Compounds, And Mixtures
- Scientific Notation
- Significant Figures
- Units and Unit Conversions
- The Metric System
- Ions
- Nomenclature of Simple Inorganic Compounds
- Mass percent composition
- Empirical and Molecular Formulas
- Stoichiometry and Limiting Reagents

These topics cover material from the first 3-4 chapters of a typical General Chemistry textbook.

A past exam can be found online at:

<http://www.kingsborough.edu/academicDepartments/PHYSCI/CHE01/index.html>