

## CHM 1025 – Introductory Chemistry

**Reference No:** 753366 – M-W-F 10:00 AM – 10:50 AM - (Room 2207)  
**Drop Date:** Last day to withdraw from a class with a W – Wednesday, 11/06/13

**Instructor:** Davia Hudson-Holness, Ph.D.                      **Office No:** 1547  
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**Phone No:** 305-237-3113

**Office Hours:** **Monday**            **9:00AM – 10:00AM & 12:00PM – 2:00PM**  
                         **Tuesday**            **7:15AM – 8:25AM & 9:50AM – 11:10AM**  
                         **Wednesday**        **9:00AM – 10:00AM**  
                         **Thursday**           **7:15AM – 8:25AM & 9:50AM – 11:10AM**  
                         **Friday**                **9:00AM – 10:00AM**

**Course Description:** CHM 1025 is a beginning chemistry course, which has been designed for those students who have little or no background in chemistry, or those who do not meet the pre-requisites for CHM 1045. This course attempts to provide beginning chemistry students with certain basic knowledge and skills, which will enable them to be successful in the first semester of General Chemistry, CHM 1045. The topics covered in this course are elementary principles of modern chemistry, including concepts of atomic and molecular structure, chemical bonding, stoichiometry, and the properties of solutions.

**Pre-requisites:** MAT 1033 or an acceptable score on the Algebra Placement Test.  
**Required Text:** **CHEMISTRY: Introductory Chemistry (4<sup>th</sup> Edition)**, by Nivaldo J. Tro  
**Course Notes:** Course material, such as the syllabus, course schedule, and lecture slides will be available in ANGEL (<https://mycourses.mdc.edu/default.asp>). Please print lecture notes before class. All communication for the course will be via ANGEL. Please check it regularly since this is my way to contact you as a group.

### **Optional Materials**

- Student Solutions Manual (may be bundled with text)
- Student Study Guide
- Student Accelerator CD-ROM (included with new text)

**General Education Outcomes:** This class addresses the following [General Education Outcomes](#):

- Outcome No. 2 – Use quantitative analytical skills to evaluate and process numerical data.
- Outcome No. 3 – Solve problems using critical and creative thinking and scientific reasoning.
- Outcome No. 4 – Formulate strategies to locate, evaluate, and apply information.
- Outcome No. 8 – Use computer and emerging technologies effectively.
- Outcome No. 10 – Describe how natural systems function and recognize the impact of humans in the environment.

**Grading Policy:** Your grade in this course will be determined as follows:

**Tests and Exams** – There will be four tests of 100 points each. The lowest test grade can be replaced with the grade earned in tutoring sessions (see PLTL section below). *There will be no makeup tests.* There will be a final cumulative exam worth 200 points.

Graded Item	Points	Points Needed	Grade	Grading Scale
Tests	400	$\geq 534$	A	89 – 100%
Final Exam	200	$\geq 468$	B	78 – 88 %
Total Points	600	$\geq 402$	C	67 -77 %
		$\geq 300$	D	55 – 66%
		$< 300$	F	54 – 0%

**Peer-Led Team Learning (PLTL) Sessions:**

PLTL is a program designed to enhance student performance in STEM courses by providing group facilitated course review sessions on a weekly basis. For this semester, this CHM 1025 section was chosen to take part in this program. While this is not a requirement for this course, students are strongly encouraged to participate in the PLTL program. Each week you will be meeting with a PLTL Leader and a small group of students. A PLTL Leader is a peer who has taken the course before and will guide the students through a set of problems. Students are expected to come prepared by reviewing course material and by bringing their textbooks or class notes with them to every session.

- *How will students be evaluated for PLTL?* I will not be evaluating you during your PLTL session. Evaluations and point assessments will be done through the PLTL Coordinator.
- *How will the PLTL sessions be graded?* There will be a total of 14 sessions for the semester. Each session will be once per week and last one hour and thirty minutes. At the beginning of each session, a quiz worth 5 points will be administered. Students will also be awarded 5 points per session for preparedness (i.e. bringing lecture notes and/or text book) and 10 points for participation.
- *How will this be integrated into this course?* At the end of the semester, the number of points earned during the PLTL sessions will be converted to a 100 point scale which can be used to replace your lowest **semester test grade**. (**NOTE:** You must receive a grade of c or higher in the PLTL to benefit from this grade adjustment).

**Incompletes:** No Incompletes are given. A grade of “I” (Incomplete) will only be given under extraordinary circumstances: (a) that you missed the final exam for a good and verifiable reason; (b) that you have a passing average up to that point.

**Note:** A tentative, weekly schedule of topics and exam dates is given at the end of this handout.

**Attendance** – Attendance will be taken each class period in order to comply with government and college regulations. Student success in any class depends on their attendance to class and their professional behavior while in class, therefore, attendance is very important for the successful completion of this class. Professional conduct requires you to arrive on time to class and remain in class for the duration of the lecture session. Missed class notes and class materials are the responsibility of the student, and constitute no excuse for lack of performance in class or any of the tests or exams. **You may be purged from the class roster after 3 unexcused absences. If you have special circumstances, contact the instructor.**

**American Disabilities Act:** Any student, who because of disability may require special arrangements to meet the course requirements, should contact the instructor as soon as possible to make any necessary accommodations. Students requiring special accommodations in the classroom should present appropriate verification of their disability from the ACCESS Department (Room 1180, Phone No. 305-237-3072)

**Classroom Decorum:** Smoking, eating or drinking are not allowed in MDC classrooms. All students are expected to behave professionally and courteously while in class. You will receive one warning for any disruptions during class (e.g. unruly behavior, etc.). After this warning you will be asked to leave the classroom for the day and you will be counted as absent from the lecture. Additionally, students will be asked to leave the classroom if any of the following rules are violated during class:

- All cell phones must be **turned off or placed in silent mode and put away** prior to entering the classroom
- Use of cell phones, including earpieces, are strictly prohibited during class
- Cell phones cannot be used as calculators during a test, and text messaging is strictly forbidden while in class, and especially during a test or exam.

**Academic Dishonesty Policy:** If you are suspected of cheating, plagiarism, or any other type of academic dishonesty as outlined in MDC procedure 4074 of the [Students Rights and Responsibilities Handbook](#), you will be subjected to procedural due process as outlined in procedure 4074 of the same handbook. Honors students should refer to the Honors College Code of Conduct.

**Additional Help:** Additional help may be obtained in The Natural Science Tutoring Center (Room 2221) or The Stem Center (Room 2214).

**Electronic Calculators:** Electronic calculators are essential for the successful completion of homework assignments, as well as for tests and exams, and must be brought to class every time the class meets. You are required to bring a single line, non-programmable calculator (preferably solar powered) every time you attend this class (especially important during quizzes and exams).

***Programmable and graphing calculators are not allowed in this class. No two students are allowed to share a calculator, and you cannot use your cell phone as a calculator during a test or an exam.***

*Students who fail to comply with these regulations will be asked to leave the classroom and will earn a grade of zero (0) in that test or exam.*

**Disclaimer:** The instructor reserves the right to change the order of delivery of topics and the date of test and exams, to accommodate the needs of the students in the class.

**Emergencies:** In case of an emergency, such as hurricanes or inclement weather, contact the instructor at 305-237-3113. A recording with instructions will be available at this phone number. If a test is scheduled for the day of the emergency, the test will be given the next time the class meets. Miami Dade College has an emergency number that you can use to inquire about the status of the College during an emergency on a 24 hour basis. The number is 305- 237-7500.

## CHM 1025 - Tentative Weekly Schedule

### Fall Semester 2013

Week	Dates	Topics	Chapter No.
1	08/26 – 08/30	First Day Handouts Measurements	2
2	09/02 - 06	<b>HOLIDAY</b> Measurements (continued) Matter and Energy	2 3
3	09/09 – 09/13	Matter and Energy (continued) <b>TEST I</b>	3
4	09/16 – 09/20	Atoms and Elements	4
5	09/23 – 09/27	Molecules and Compounds	5
6	09/30 – 10/04	Chemical Composition <b>TEST II</b>	6
7	10/07 – 10/11	Chemical Composition (continued) Chemical Reactions	6 7
8	10/14 – 10/18	Chemical Reactions (continued)	7
9	10/21 – 10/25	Quantities in Chemical Reactions <b>TEST III</b>	8
10	10/28 – 11/01	Quantities in Chemical Reactions (continued)	9
11	11/04 – 11/08	Electrons in atoms and the periodic table	9
12	11/11 – 11/15	<b>HOLIDAY</b> Chemical Bonding	10
13	11/18 – 11/22	Chemical Bonding <b>TEST IV</b>	10
14	11/25 – 11/29	Solutions <b>HOLIDAY</b>	13
15	12/02 – 12/06	Solutions (continued)	13
16	12/09 – 12/13	Review for Final Exam	
17	12/18	<b>FINAL EXAM (Cumulative)</b> <b>10:00 AM – 11:30 AM</b> <b>Room 2207</b>	