FLORIDA INTERNATIONAL UNIVERSITY
DEPARTMENT OF CHEMISTRY & BIOCHEMISTRY
SURVEY OF CHEMISTRY

INSTRUCTOR: Dr. Konstantinos Kavallieratos, Associate Professor
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Website: http://www.fiu.edu/~kavallie
CLASS: Mondays and Wednesdays 3:30-5:15 pm, CP 151
OFFICE HOURS: Mondays and Wednesdays 2:45-3:30 pm or by appointment
REQUIRED TEXT: ESSENTIALS OF GENERAL, ORGANIC, AND BIOLOGICAL CHEMISTRY: AN INTEGRATED APPROACH, by Denise Guinn, and Rebecca Brewer. A simple calculator with a logarithm key is required for class and tests.
CLASS WEBSITE (REQUIRED): http://www.fiu.edu/~kavallie/S10CHM1033.htm Please visit regularly BUT NOT BEFORE TUESDAY MAY 4th BECAUSE IT IS STILL UNDER CONSTRUCTION! The class website will include required information about the class, such as daily notes, additional homework information for extra credit and practice, and news/updates for the class.
OTHER OPTIONAL REQUIREMENTS: Webassign access, which is included with the book at the bookstore will provide opportunities for extra credit quizzes: Visit http://www.webassign.net and login as a student after inserting your class key (which is fiu 9625 6731), in the “I have a key” link and then follow directions using the code provided with your book
BOOK’S WEBSITE: http://bcs.whfreeman.com/guinn1e/
PRE-REQUISITES: Second Year of High School Algebra or College Algebra
IMPORTANT: This course does NOT satisfy the chemistry requirements for science majors.
PURPOSE OF THE COURSE
This course is a special course designed for the nursing students. The course gives an overview of the foundations of inorganic chemistry including the periodic table and the general properties of the elements; organic chemistry includes naming of functional groups, their properties and reaction; and the study of biomolecules such as carbohydrates, lipids and proteins.
COURSE OUTLINE
Chapters will be covered in order. Outline for the semester will be as follows:. Exam dates are given below and are considered FINAL: The final grade will be based on the average of three non-cumulative exams and you have to take all the exams. No make-up exams will be given
Chapter 1: Measurement, Atoms and Elements
Chapter 2: Compounds
Chapter 3: Shapes of Molecules and Interactions
Chapter 4: Solids, Liquids and Gases
FIRST EXAM (Wednesday May 26th)
Chapter 5: Solutions Colloids and Membranes
Chapter 6: Hydrocarbons and Structure
Chapter 7: Organic Functional Groups
Chapter 8: Chemical Reaction Basics
SECOND EXAM (Wednesday July 7th)
Chapter 9: Acids, Bases, pH and buffers
Chapter 10: Organic Functional Groups in Biochemistry
Chapter 11: Proteins: Structure and Function
Chapter 12: Carbohydrates: Structure and Function
Chapters 13: Lipids: Structure and Function
THIRD EXAM (Wednesday August 4th) (please TURN OVER)
CLASS BEHAVIOR:
Class attendance is not mandatory or recorded, but it is strongly recommended. There is a direct correlation between class attendance and class performance. If you choose to come to class, you will be expected to behave properly. Disruptions and side-conversations are not allowed. Absolutely no cell phones, iPods, laptops, or any other listening devices will be allowed to be used during the class.

OUR CLASS WEBSITE: http://www.fiu.edu/~kavallie/S10CHM1033.htm
PLEASE VISIT IT REGULARLY FOR IMPORTANT ANNOUNCEMENTS, DAILY NOTES, and LINKS TO EXTRA CREDIT AND HOMEWORK PRACTICE TESTS.

ONLINE QUIZZES FOR EXTRA CREDIT
There will be computer quizzes given for extra credit and practice for each chapter. These are not mandatory and will only result in a up to 5% extra credit bonus on your actual cumulative raw score you received in the exams. Visit http://www.webassign.net and login as a student, after providing the class key fiu 9625 6731, in the “I have a key” link. You will then be asked to provide the access code that came with your book. A new book brings a registration code or you could purchase access online. Students must complete and submit them promptly if you would like to receive the extra credit. Quizzes will only be available during specific limited times. Deadlines for the quizzes will be announced in our class website http://www.fiu.edu/~kavallie/S10CHM1033.htm as we move along, and I will also provide the answers in my website after the deadline. This is an excellent way to practice for the format and style of exams that will be given.

EXAMS: PICTURE ID IS REQUIRED TO TAKE THE EXAMS. Graphing calculators are not allowed during the exams

The format of the exams will be multiple-choice. There will be three (3) partial exams (100 points each) Any missing exam will translate into a zero. The final grade will be based on the average of the three non-cumulative exams and you have to take all the exams.

NO MAKE-UPS WILL BE GIVEN FOR ANY OF THE EXAMS.

EMAIL: Registered students at FIU have access to email through Computer Services. You are welcome to contact me through my regular email (kavallie@fiu.edu). Please, identify yourself with your first name and last name in all correspondence. Even though I am committed to reply all your emails in order to setup appointments and answer quick inquiries, please keep in mind that discussions of class problems, that require writing and conceptual questions are reserved only on a face-to-face setting, (preferred) or via the telephone, (as an alternative). I will be very happy to help you with all your questions and problems, in my office (during my office hours or with an appointment), and (briefly) after class.