

**WILMINGTON UNIVERSITY
COURSE OUTLINE & SCHEDULE**

FACULTY MEMBER: Dr. Ernest Linsay **TERM:** Fall, 2009

COURSE TITLE: SCI 105 SEN03 (Thurs 9:00AM-1:00PM, Peoples Bldg, Rm 222)

OFFICE HOURS/METHOD OF CONTACT: W: 302-356-672
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STRUCTURED EXTERNAL ASSIGNMENT: Paper on a current scientific issue affecting us today. Details and specific assignment will be given during class.

METHODOLOGY:

- A. Teaching Methods– Lectures, discussions, demonstrations, laboratory experiments.
- B. Students must read the textbook assignments prior to class, including Chapter 1 for the first class on September 10.
- C. Basis of Student Evaluation

Factor	Points Per Item	Total Points	Approx % of Final Grade
Tests (4)	110	440	45
Quizzes (9)	11	99	10
Labs (13)*	20	260	25
Paper (1)	150	150	15
Class Participation	50	50	5
TOTAL	-	1000	100

* See Attendance Policy below

ADDITIONAL ATTENDANCE POLICY:

Since a student must be present to do the laboratory portion of each class, a missed laboratory will be graded as **zero (0)**. In calculating the final course grade, the lowest laboratory grade will be dropped.

COURSE OUTLINE/SCHEDULE: (subject to change as may be necessary)

(See next page)

Class Date	Discussion Topic	Text Chapters	Laboratory Topic	Expt #
9/10	Metric System, Density & Scientific Method	1	Metric System Activities & Problems	1
9/17	Motion	2 (pg 25 – 40)	Rate of Acceleration Due to Gravity	8
9/24	Motion (continued)	2 (pg 40 – end)	Clothespin Launcher	16
10/1	Energy	3	Bouncability	Handout
10/8	Test 1, Chapters 1 - 3 Heat and Temperature	4 (pg 91 – 103)	Who Has an Elephant – teams can work on this lab	4
10/15	Wave Motions and Sound	5	Tin Can Calorimeter – Heat Produced by Burning Food	29
10/22	Electricity and Magnetism	6 (pg 139 – 157)	Magnetism	30
10/29	Reading Week – No Class			
11/5	Test 2, Chapters 4 – 6. Lab Expt #4 due. Atoms and the Periodic Table	8 (pg 203-211, 216 - end)	Density of CO ₂	24
11/12	Atoms and the Periodic Table (Continued) Draft of Independent Paper Due	8 (Continued)	Air Is Needed for Burning	43
11/19	Chemical Bonds	9	Structure of Molecules – Molecular Models	40
11/26	Thanksgiving – No Class			
12/3	Test 3, Chapters 8 – 9 Chemical Reactions	10	Simple Chemical Reactions	42
12/10	Water and Solutions Independent Paper Due	11	Acids and Bases	48
12/17	Organic Chemistry	12 Not nomenclature	Preparation of “Flubba”	52
Monday 12/21	Test 4, Chapters 10 – 12			

Note: Text Chapters 7 and 13 will not be covered