

**University of Findlay Chemistry 111 Lecture Fall 2016 Syllabus**  
**Mrs. Elmlinger**  
**The University of Findlay**  
**College of Science**  
**2016-2017**

*The mission of The University of Findlay is to equip our students for meaningful lives and productive careers.*

**Course Number/Title:** CHEM 111 Basic Chemistry Lecture

**Credit Hours:** 3 semester hours

**Class Time/Place:** M, T, W, Th, F 9:29-10:18 AM Monroeville HS Room 213

**Prerequisites, Co-requisites and Course Description:**

- Concurrent with CHEM 111L, enrollment examination.
- University of Findlay College Credit Plus Admission Requirements:
  - Eligible students must have a 2.5 GPA and one of the following standardized test scores:
    - ACT - composite of 20
    - SAT - 950 (CR and M scores)
    - PSAT - composite of 141 (CR, M and W)  
- PSAT will not be accepted by UF after 2016
    - Accuplacer – college level Mat 48 AND Reading Comprehension 80
    - Compass - Reading 88, Math for Algebra 52
    - Or equivalent tests given by The University of Findlay
  - Specific course requirements may also need to be met through coursework, placement tests or standardized test scores.

**Course Description:** General principles of chemistry with emphasis on atomic structure and behavior, mole concept, stoichiometric calculations, nomenclature, quantum theory, chemical bonding, energy, solutions, acids, bases, and equilibrium.

**Instructor:** Mrs. Donna J. Elmlinger BS MAT  
Off Campus Adjunct Professor of Chemistry

**Instructor Contact Information:** Monroeville High School  
419-465-2531 ext. 2314  
Email: [elmlingerd@findlay.edu](mailto:elmlingerd@findlay.edu)  
[delmlinger@monroevilleschools.org](mailto:delmlinger@monroevilleschools.org)

If you are e-mailing me with questions, PLEASE put your name in the subject line. I only open messages from people I know.

**Office Hours/Conference Time:** Monday-Friday 8:37 – 9:26 A.M.  
 Before school: 7:00 – 7:40 A.M.  
 Additional hours by appointment

**Relationship to the Conceptual Framework:**

This course is designed for first year students with interest in science areas such as pre-vet, pre-med, physician assistant, nursing, engineering, etc. The concepts will serve as introductory information to advanced courses (Inorganic Chemistry, Organic Chemistry and Biochemistry) and blend with areas of Physics and Biology.

- Course Objectives:
1. Measurements and Calculations
  2. Matter
  3. Chemical Foundations – elements, atoms, and ions
  4. Nomenclature
  5. Intro. to Chemical Reactions
  6. Reactions in Aqueous Solutions
  7. Chemical Composition
  8. Chemical Quantities
  9. Energy
  10. Modern Atomic Theory
  11. Chemical Bonding
  12. Solutions
  13. Equilibrium
  14. (Acids/Bases)

**Overall course objectives: (evaluated on exams, quizzes, and Webassign)**

1. **Interpret** and **apply** the information learned to solve chemical problems.
2. Validate and draw logical conclusions for the obtained results.
3. Enhance time management skills.

**General Education Learning Outcomes Addressed:**

<b>The content of this course provides the means to assess the following General Education Outcomes</b>	
<b>General Education Outcomes</b>	<b>Instrument(s), assignment(s), or task(s) used to assess outcomes</b>
<b>Overarching Outcome A:</b> Students will demonstrate problem-solving skills involving abstract inquiry, critical thinking, and logical reasoning abilities	<i>Homework problems, quizzes, exams, Webassign</i>
<b>Overarching Outcome B:</b> Students will communicate effectively in academic or professional environments using written, verbal or digital media	<i>Quizzes, exams, Webassign</i>

<b>Overarching Outcome C:</b> Students will demonstrate competence in methods and technological applications used for scientific and analytical inquiry	<i>Homework problems, quizzes, exams, Webassign</i>
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**Required Textbooks and other materials:**

- *Introductory Chemistry a Foundation*, Zumdahl / DeCoste, 8<sup>th</sup> ed. or 7<sup>th</sup> ed
- Web Assign – will be issued to you
- Scientific calculator - RED TI-30X IIS REQUIRED (No sharing during quizzes or exams)

**Instructional Strategies:**

Case Analysis		Library and Internet Research	X
Debate		Practice/drill	X
Discovery/Independent Research	X	Problem solving	X
Discussion/Questioning/Interviewing	X	Reading assignments	X
Experiential Learning	X	Role playing/simulation games	X
Field Experience		Service Learning	
Group Presentation		Video/Audio Review and Critique	
Laboratory Experiences		Other	
Lecture	X		

**Methods of Assessment:**

Abstracts		Participation	X
Attendance	X	Peer Evaluation	
Capstone Project		Portfolio	
Case Study		Portfolio Lab Performance	
Exams	X	Presentations	
Group Projects		Professional Evaluation	
Homework Assignments	X	Quizzes	X
Internet Research		Research project	
Journaling		Other	
Lab Performance		Final Exam	X
Oral/written review of literature			

<b>Grading:</b>	Quizzes	15%	(1 per chapter)
	Exams	60%	(4 Multi-chapter tests @15% each)
	Final	15%	(Comprehensive)
	Homework	10%	(WebAssign, chapter reviews)

**Grading Scale/Distribution:**

You will receive the same grade on your MHS report card & transcript **AND** official UF transcript. You will use the UF grading scale listed below for both the MHS and UF grades.

<u>Grade</u>	<u>Points</u>	<u>Grading Scale</u>
A	4.00	93-100
A-	3.67	90-92
B+	3.33	87-89
B	3.00	83-86
B-	2.67	80-82
C+	2.33	77-79
C	2.00	70-76
C-	1.67	67-69
D+	1.33	63-66
D	1.00	60-62
D-	0.67	57-59
F	0.00	below 57

**University Honor Code:** Each and every student of the University will adhere to the following Honor Code:

“I will not knowingly engage in any dishonorable behavior, cheat, steal, lie, or commit any act of plagiarism during any academic work, course or endeavor. If I observe an act which I believe violates the University’s Honor Code. I may, at my discretion, report it to the appropriate personnel.”

**Student Acknowledgement of University Honor Code:**

“I acknowledge that I have fully complied or will comply with all aspects of the University’s Honor Code in submitting this work.”

**Student Rights and Responsibilities Statement, Article VIII-Academic Integrity:**

<http://www.findlay.edu/offices/adminoffices/registrar/Student+Rights+and+Responsibilities/studentrightsandresponsibilitiesstatement.htm>

## Course Policies and Practices

### **Attendance:**

Monroeville High School College Credit Plus Attendance Policy:

For each course, students are allotted the following:

- 5 school activities (field trips, college visits, etc.) per semester. 10% will be deducted from the student's final grade on sixth school activity and every fifth school activity thereafter.
- 5 *unexcused* absences per semester. 10% will be deducted from the student's final grade on sixth *unexcused* absence and every fifth *unexcused* absence thereafter.
- Excused Absences: Doctor's appointment, funeral, or legal appointment. Must have documentation and show documentation to CCP teacher.

### **Cheating:**

Any cheating will result in the following consequences (as described in the Monroeville High School student handbook).

- First offense - In school restriction and zero on the assignment or test.
- Second offense – Friday School and zero on the assignment or test.
- Third offense - Out of School Suspension and zero on the assignment or test.

"Instances of academic dishonesty will be reported to the Office of Academic Affairs at The University of Findlay."

<http://catalog.findlay.edu/en/current/Undergraduate-Catalog/Student-Rights-and-Responsibilities-Statement/VIII-Academic-Integrity>

### **Electronics:**

No cell phones, digital cameras, or electronic devices during lecture, quizzes, or exams. Use of electronic device (excluding calculator) during lecture will result in a referral to an administrator for the misuse of electronic devices.

- 1) First Offense – 1 hour of Friday School and device confiscated and returned at end of the school day,
- 2) Second Offense – 3 hours of Friday School and device confiscated and returned after 24 hours,
- 3) Third Offense – 6 hours of Friday School and device confiscated and must be picked up by parent or guardian.

NO LAPTOP computers during class time unless approved by the instructor.

You are expected to conduct yourself in a professional manner. Arrive to class on-time and do not pack up your items early to leave the class. No chatting with classmates during the lecture, being disruptive, etc.

### **Extra Help Needed:**

Students having difficulty in the class may request or be required to seek extra help. This can be obtained in one of the following ways:

- Any student may request extra help during the SOAR period. See the teacher to obtain a pass.
- Any student receiving a grade below a "C" may be **required** to obtain extra help during the extra help or SOAR period. You will be given a pass to attend.
- Labs may be made up during the SOAR period.
- Students can also arrange a time to meet with the teacher before or after school. I am usually in my room and available to help students from 7:15 A.M. until 7:40 A.M. Times after school will need to be arranged.

### **Late Work:**

Any late homework, assignments, reports and lab reports will receive a grade in agreement with the Monroeville High School homework policy.

- 1) Maximum scores for **1 day late** = 85% of maximum score (deduct 15%)
- 2) **2 days late** = 70% of maximum score (deduct 30%)
- 3) **3 days late** = 50 % of maximum score (deduct 50%)
- 4) **4 or more days late** = 0% of maximum score

### **During exams and quizzes:**

- Students must spread out in seating as much as the classroom allows.
- No hats/hoodies (hood up/on)
- No electronic devices-phones – place in book bag on silent. Use of any electronic device during a quiz or exam will result in a grade of “0” for the exam or quiz.
- No calculator covers
- No sharing of calculators.
- No additional papers on your writing surface.
- No backpacks or book bags located by the student. These will be placed at the front of the classroom during exams.
- Both hands on top of the desktop/writing surface.
- Periodic table will be provided.

### **Final Exam Date: When UF materials are completed.**

Any deviation from this schedule must be cleared with the Dean of the College in which the course is offered. Please do not ask for exceptions unless extenuating circumstances truly justify your request.

**Special Services:** If you are a student with a disability, it is your responsibility to inform your instructor and register with the Office of Disability Services (ods@findlay.edu) at least one week prior to a needed service so reasonable accommodations can be made.

**Course and Instructor Evaluation:** Each student is expected to complete the course and instructor evaluation which is sent electronically to the student by the Office of the Registrar. The electronic notification comes in the form of an e-mail from the UF Registrar’s Office with the following subject line: Online survey for the designated course (e.g., BIOL 102).

**Last Date of Attendance Policy:** A student’s last date of attendance (LDA) is the date he/she stopped attending or participating in the class. This is a documented date by the instructor of the course and applies if the student fails (F) the course.

**Tentative Course Outline:**

Chapter 1 – Chemistry: An Introduction

Chapter 2 – Measurements and Calculations

Chapter 3 – Matter

Chapter 4 – Chemical Foundations: Elements, Atoms, and Ions

**EXAM 1**

Chapter 5 - Nomenclature

Chapter 6 – Chemical Reactions: an Introduction

Chapter 7 – Reactions in Aqueous Solutions

**EXAM 2**

Chapter 8 – Chemical Composition

Chapter 9 – Chemical Quantities

Chapter 10 – Energy

**EXAM 3**

Chapter 11 – Modern Atomic Theory

Chapter 15 – Solutions

Chapter 12 – Chemical Bonding

**EXAM 4**

Chapter 17 – Equilibrium

Chapter 16 – (Acids and Bases)

**FINAL EXAM – Comprehensive**