

## FLORIDA STATE COLLEGE AT JACKSONVILLE

## COLLEGE CREDIT COURSE OUTLINE

COURSE NUMBER: CHM 2930

COURSE TITLE: Selected Topics in Chemistry

PREREQUISITE(S): None

COREQUISITE(S): None

CREDIT HOURS: 3

CONTACT HOURS/WEEK: 3

CONTACT HOUR BREAKDOWN:

    Lecture/Discussion: 3

    Laboratory:

    Other \_\_\_\_\_:

FACULTY WORKLOAD POINTS: 3

STANDARDIZED CLASS SIZE ALLOCATION: DIS

CATALOG COURSE DESCRIPTION:

The open format of this course provides an opportunity to address various selected topics related to the chemistry sciences. This course may be repeated for credit.

SUGGESTED TEXT(S): Titles vary depending upon topics

IMPLEMENTATION DATE: Winter Term, 1997 (972)

REVIEW OR MODIFICATION DATE: Fall Term, 2002 (20031)  
Fall Term, 2006 (20071)

COURSE TOPICS	CONTACT HOURS <u>PER TOPIC</u>
I. Introduction and Orientation	2.5
A. Purpose of Course B. Syllabus Review	
II. Course Content	40
May include but not limited to:	
A. History B. Theory C. Application	
III. Closure	2.5
A. Summary B. Evaluation	
Total Contact Hours	45



<b>Course Prefix and Number: CHM 2930</b>	<b>Semester Credit Hours: 3</b>
<b>Course Title: Selected Topics in Chemistry</b>	

<b>Discipline Area for the Course:</b>		
<input type="checkbox"/> Communication	<input type="checkbox"/> Mathematics	<input type="checkbox"/> Social & Behavioral Sciences
<input type="checkbox"/> Humanities & Visual/Performing Arts	<input checked="" type="checkbox"/> Natural Sciences	<input type="checkbox"/> Other-Designated Option

<b>INTELLECTUAL COMPETENCIES:</b>					
<input checked="" type="checkbox"/> Reading	<input checked="" type="checkbox"/> Speaking	<input checked="" type="checkbox"/> Critical Analysis	<input checked="" type="checkbox"/> Quantitative Skills	<input checked="" type="checkbox"/> Scientific Method of Inquiry	
<input checked="" type="checkbox"/> Writing	<input checked="" type="checkbox"/> Listening	<input checked="" type="checkbox"/> Information Literacy	<input checked="" type="checkbox"/> Ethical Judgment	<input checked="" type="checkbox"/> Working Collaboratively	

KNOWLEDGE	Prima	Seco	ter	N/A	VALUE	Prima	Seco	ter	N/A
A. Global and Historical Knowledge & Understanding					Intellectual honesty	X			
• Comprehends a general knowledge of the nature, origins and contributions of major civilizations		X			Curiosity and openness to new ideas	X			
• Comprehends the workings and interrelations of personal, business and government economies			X		Recognition of one's own creative potential	X			
• Comprehends political, social and economic systems and their effects upon society		X			Acceptance of and respect for differences among people and cultures	X			
B. Cultural and Aesthetic Knowledge and Understanding									
• Comprehends the contributions of the arts and humanities to the human experience on a personal, national or global level			X		Civic Engagement	X			
• Comprehends the historical development of the arts and sciences		X			Lifelong Learning	X			
• Comprehends religious and cultural systems and their effects upon society		X							
C. Human Awareness and Understanding									
• Comprehends the dynamics of human behavior and the process of increasing self-awareness, growth and development	X								
• Comprehends the stages of human development and the dynamics of human relationships in diverse cultures	X								
• Comprehends the factors that promote physical, mental and social well-being		X							
D. Mathematics, Science and Technology									
• Comprehends the basic concepts and investigative processes of the natural sciences	X								
• Comprehends the breadth, significance and development of the mathematical sciences	X								
• Comprehends the ways science and technology have shaped and continue to reshape human cultures and the environment	X								

Name of Person Completing This Form: Nancy Yurko

Signature: \_\_\_\_\_ Date: 07/20/05



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**Learning Outcomes**

**Method Of Assessment**

1	Explain and apply information in specified areas of chemistry.	Written tests, reports and/or use of equipment to demonstrate student competency in field.
2	Demonstrate knowledge of scientific method.	Formulate problem, make observations, derive and test hypothesis and make conclusions.
3	Communicate scientific ideas through oral or written assignments.	Students use analytical reasoning skills to solve problems on written tests and/or laboratory work.
4	Interpret scientific models such as formulas, graphs, tables and schematics, draw inferences from them and recognize their limitations.	Written reports of lab experiments and/or written tests demonstrate student competency in the application of scientific knowledge.
5	Demonstrate problem solving methods in situations that are encountered outside of the classroom.	Students use demonstrations, group discussions, written tests, laboratory reports, research projects and/or field experiences to illustrate competence in recognizing and evaluating various scientific processes.
6	Demonstrate proper laboratory technique including safety in the use and care of laboratory equipment and materials. (If applicable)	Results from laboratory work and experiments demonstrate student awareness of science and society.

Name of Person Completing This Form: Nancy Webster Yurko

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