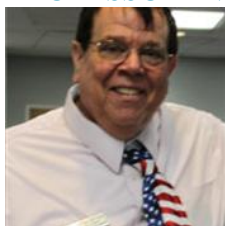


CHM1020

CHE FOR LIB ART (105707-1-2192-1-13-1-1)

PROFESSOR INFORMATION



Taylor, John T.

John.Taylor@fscj.edu

Office Hours:

Days	Hours	Campus	Room	Phone
Monday	12:30-01:00 Op.m.	NORTH	Office D272	(904) 677-6763
Monday	02:50-03:50 pm	NORTH	Office D272	(904) 677-6763
Monday	05:00-06:00 p.m.	NORTH	Office D272	(904) 677-6763
Monday	08:00-08:30 p.m.	NORTH	Office D272	(904) 677-6763
Tuesday	08:30-09:00 A.M.	NORTH	Office D272	(904) 677-6763
Tuesday	10:35-11:05 am	NORTH	Office D272	(904) 677-6763
Tuesday	05:00-05:30 p.m.	DWC	Classroom D1401	(904) 614-0531 cell
Tuesday	07:20-08:05 pm	DWC	Classroom D1401	(904) 614-0531 cell
Wednesday	08:00-10:00 a.m.	OCDISTANCE	Online	(904) 614-0531 cell
Thursday	08:30-09:00 A.M.	NORTH	Office D272	(904) 677-6763
Thursday	10:35-11:35 am	NORTH	Office D272	(904) 677-6763
Thursday	05:00-05:30 p.m.	DWC	Classroom D1401	(904) 614-0531 cell
Thursday	07:15-08:00 pm	DWC	Classroom D1401	(904) 614-0531 cell

And by Appointment

COURSE DESCRIPTION

Students will benefit by taking high school algebra or MAT 0028 prior to enrolling in this course. This course, designed to meet the General Education Requirements for non-science majors, is designed especially for students who wish to gain an understanding of the fundamental nature of physical science from the chemical point of view. The treatment utilizes an approach to scientific concepts and methods, stressing and illustrating principles rather than merely listing phenomena.

COURSE INFORMATION

Course Number / Title: CHM1020 / CHE FOR LIB ART

Number of Credit Hours: 3

Term / Year / Session / Length: Spring / 2019 / A / 15

IMPORTANT DATES

Class Begins	2019-01-07
100% Refund Deadline	2019-01-14 7:00 PM (ET)
Withdraw with 'W' Deadline	2019-03-21 7:00 PM (ET)
Class Ends	2019-04-30

College Holiday(s)

01/21/2019, 02/18/2019, 03/11/2019 - 03/17/2019

These dates are critical for this course. Additional critical dates for this course can be found by clicking the appropriate term links in the [online calendar](#) at the Florida State College at Jacksonville Website.

COURSE LOCATION

Component	Location	Room	Dates	Days	Times
LEC	Online	Online - All activities online	1/7/2019 - 4/30/2019		

INSTRUCTIONAL MATERIALS AND EQUIPMENT

You have several options for purchasing the textbook. All chemistry course content centers on each chapter section in the text. You purchase the text (and materials) to complete the chemistry content requirements:

1. You may purchase a loose-leaf book in a binder without the Access codes for under \$50 from a former student.
2. You may purchase the International softback version on line from International book sales for approximately \$72.
3. You may rent the book from any source.

4. You may purchase or rent a soft back hard copy test from any source
5. You need to have purchased, borrowed, or rented a book to give you permission to view the videos, which replace the lecture for online students.

The bookstore has the following option:

1. Purchase a new softback test for \$218;
2. Buy used from the bookstore the text for \$163;
3. Rent the text hard copy \$87.20; or
4. rent the text digital \$51.25.
5. ala-cart package \$172 (not recommended)

Have this done no later than the first day of class January 7, 2019.

If you purchase the ala-cart package for \$170+ you get the use of the e-book and receive a loose-leaf notebook hard copy, plus the Mastering Chemistry access code.

You do not have the option to sell the materials back to the bookstore if you drop the class or finish the class by the end of the semester. Once you have broken the shrink wrapped sealed package it is yours. (No Return)

We will not be using the Mastering Chemistry software Spring 2019 term. Keep it unopened and you may resell it online for between \$25-\$75

Online Delivery System

This course will be delivered using the Blackboard Learn™ course management system.

Blackboard™ Supported Browsers for Blackboard Version 9.1 SP13

View Blackboard's Supported Browsers and Operating Systems

(<http://blackboard.force.com/publicbarticleview?id=kAB70000008Oom>)

to see if your browser and operating system are compatible.

Please note the following when reviewing the Blackboard compatibility ratings.

Certified: 100% Compatible

Compatible: Compatible in most areas, but could have some incompatibility issues

Unsupported: Not tested and not recommended

Technology Requirements

Reliable and consistent computer and Internet access is encouraged to successfully participate in and complete online courses. Ensure that your computer meets the minimum system requirements noted below and on the Florida State College at Jacksonville Online Learning site (<http://www.fscj.edu/academics/online-learning>).

Please use the following checklist to determine your computer readiness.

Online Learning - Florida State College at Jacksonville

www.fscj.edu

FSCJ Online provides distance learning opportunities that combine convenience and the power of technology to bring learning options.

You should own or have access to:

- An email account
- Computer with high speed access to the Internet
- Access to College computers when needed
- Virus-checking software
- Word-processing software
- Software and plug-Ins that may include (choose the titles for the free downloads)
 - Adobe Acrobat Reader (<http://get.adobe.com/reader/>)
 - Flash Player (<http://get.adobe.com/flashplayer/>)
 - Java (<http://www.java.com/en/download/manual.jsp>)
 - Shockwave Player (<http://get.adobe.com/shockwave/>)
 - VLC (<http://www.videolan.org/>)

It is a good idea to check your computer at the beginning of each course and a couple of times throughout the term to ensure you have all the necessary software and plug-ins to use the Blackboard online system and course features.

After logging in to Blackboard, choose the Browser Checker link.

Review the results and choose the links to the recommended software.

Please note that you will need to turn off your pop-up blocker to use all features of this online course.

Adobe Flash Player Download

get.adobe.com

Download free Adobe Flash Player software for your Windows, Mac OS, and Unix-based devices to enjoy stunning audio/video playback, and exciting gameplay.

Adobe Acrobat Reader DC Download | Free PDF viewer for Windows, Mac OS, Android

get.adobe.com

Download free Adobe Acrobat Reader DC software for your Windows, Mac OS and Android devices to view, print, and comment on PDF documents.

REQUIRED TEXT / MATERIALS

Choice of Titles - Pick 1 of 3
Pick only 1 of the following 3 choices.

1. Conceptual Chemistry (w/out Access Code) Edition: 5th Author: Suchocki ISBN: 9780321804419 Copyright: 2014 Publisher: Pearson
2. Conceptual Chemistry Edition: 5th Author: Suchocki ISBN: 9780133556179 Copyright: 2014 Publisher: Pearson
3. Conceptual Chemistry (w/PlusMasteringChemAccess)(LL) Edition: 5th Author: Suchocki ISBN: 9780321804464 Copyright: 2014 Publisher: Prentice Hall PTR

ACCESSIBILITY

Florida State College at Jacksonville recognizes the importance of assisting and encouraging all students to reach their full potential. In accordance with the Americans with Disabilities Act (ADA), the Americans with Disabilities Act as amended in 2008, and Section 504 of the Rehabilitation Act of 1973, the College ensures that its admission requirements are uniformly applied, and that its services, activities, facilities and academic programs are accessible to and usable by all qualified students. The Office of Services for Students with Disabilities (OSSD) implements and coordinates reasonable accommodations and disability-related services to promote full participation of individuals with disabilities in all aspects of life.

The Rehabilitation Act defines a disability as an individual who has a physical, mental, or learning disability, which substantially limits one or more major life activity (i.e., seeing, hearing, speaking, walking, sitting, standing, breathing, reading, writing, or performing mathematical calculations, and caring for oneself); or who has a record of such impairment; or who is regarded as having such impairment. Both the impairment and the limitation of a major life activity must be established to be eligible under the ADA.

Please click [here](http://www.fscj.edu/admissions-aid/services-for-students-with-disabilities) (<http://www.fscj.edu/admissions-aid/services-for-students-with-disabilities>) for more information.

LEARNING OUTCOMES

SECTION 5 (To be completed for General Education courses only.)				
GENERAL EDUCATION LEARNING OUTCOME AREA (Place an "X" in the box next to those that are applicable.)				
	Communication	X	Critical Thinking	Information Literacy
X	Scientific and Quantitative Reasoning			Global Sociocultural Responsibility

SECTION 6		
LEARNING OUTCOMES	TYPE OF OUTCOME (General Education, Course or Program)	METHOD OF ASSESSMENT
Explain and apply major concepts in general chemistry.	Course	Written tests, reports and/or use of equipment to demonstrate student competency in field.
Demonstrate knowledge of scientific method.	Program	Formulate problem, make observations, derive and test hypothesis, and make conclusions.
Communicate scientific ideas through oral or written assignments.	Program	Students use analytical reasoning skills to solve problems on written tests and/or assignments.
Interpret scientific models such as formulas, graphs, tables and schematics, draw inferences from them and recognize their limitations.	Program	Written reports of projects and/or written tests demonstrate student competency in the application of scientific knowledge.
Demonstrate problem solving methods in situations that are encountered outside of the classroom.	General Education	Students use demonstrations, group discussions, written tests, and/or research projects to illustrate competence in recognizing and evaluating various scientific processes.

COURSE PARTICIPATION

CALENDAR OF ACTIVITIES

Read the weekly activities through Blackboard course announcements, class emails, and information from our external web site::

<http://www.fscj.me/chem1020.html>

Access Blackboard's Course Information for the outline of the chemistry course content grading system per Pathway.

Week	Topic	Assignment	Due Dates
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One	1st Week Exploration	Complete Discussion #1 in Blackboard: 'Who Am I?'	January 14th or when the instructor post the grade after the 14th
One	1st Week Explorations	Complete the following 1st week explorations: 1. Online Contract - 5 points 2. 'First Private Email' to the Instructor - 5 points These explorations are explained in Blackboard's Course Assignments Folder and via FSCJ Student Email prior to the first day of class January 7th	January 14th or when the instructor post the grade after the 14th
One	Gasoline Project - Project #2 (Chapter 1- Section 1.6 Measurement)	http://www.fscj.me/chm1020/Projects/Project2GasolineDemand/Project2GasolineDemandProject.htm	April 30th
One	Project #1 (Option #1): The Scientific Method/Controlled Experiment Paper: Analysis of the Movie Film: Andromeda Strain – 1971 Editorial Review:The movie spends a great deal of time covering the scientific procedures of the high-pressure investigation, and the rising tensions between scientists who have been forced to work in claustrophobic conditions. It's all very fascinating if you're interested in scientific method and technological advances, although the film is obviously dated in many of its details.....	Project #1-The Scientific Method- (Option #1) http://fscj.me/chm1020/Projects/Project1ScientificMethod/Project1DescriptionScientificMethod.htm 1. watch the movie and take notes during the 2:08 hour movie(A WORD document may be down loaded to take notes: (Andromeda Strain Movie Notes Download WORD .doc file: Project1FilmNotes.doc) and 2. Completing the required district question form and writing an analysis of the film (minimum 2 to 4 (or more) double spaced word processed pages including: a. Define the Problem b. Describe the procedures used to allow the scientists access to the facility call "Wildfire" c. Describe examples of the use of the scientific method through experimentation d. Describe the chemistry principles discovered to solve the problem.(Section 10.3 Chapter 10) e. Your comments	January 21st after studying chapter 1 for full credit 25 points, but must be completed and submitted via email attachments no later than April 30th for 20 points
One	Project #24 (Option #2) Controlled Experiment Demonstration	Project #24 (Option #2) http://fscj.me/chm1020/Projects/Project24ControlledExperimentDemonstration/TheControlExperimentDemonstration.htm	Prefer January 21st after studying Chapter 1 for 25 Points but must be completed no later than April 30th for 20 points

Week 9+ (Spring Break)	Midterm Exam - Online (Chapters 1-6)	Complete the 100 question Midterm Exam online during Spring Break (Week 9+)-100 Points-Not Proctored - Unlimited attempts - highest grade counts	March 18th for full credit (after March 18th 50% credit) (Blackboard grade will be adjusted manually by reducing the credit to 50%)
Week 16- Completion Days	End Term Exam (Chapters 7, 9, 10, 11, 12, 13)	Complete the 50 question End Term Exam by Week16 - Completion Days-unlimited attempts-not proctored - Highest grade counts-50 points	April 30th
Week 16 - Completion Days	Online Vocabulary Final Exam (Chapters 1-17)	Complete the 50 question (Fill-in-the-Blank) Vocabulary Final Exam during week 16 - Completion Days (two to eight terms from each of the 17 chapters) 50 points - not proctored -unlimited attempts-highest grade counts	April 30th
Week 16 - Completion Days	All Students Online Video Quizzes (Found in Blackboard Course Content Folder)	<ol style="list-style-type: none"> 1. Watch all 15 chapter videos; ~130 3-8 minutes each 2. Study the assigned 15 chapters 1-14, +16) textbook; 3. Review all 15 required chapter Power Points; 4. Complete All Online Video Quizzes in Blackboard's Course Content (Required Multiple Choice Video Quiz Folders) There is one quiz for each chapter section. 	<p>All Quizzes are open from January 7th through April 30th. All online Video quizzes must be completed by April 30th*.</p> <p><i>*Please note the deadline date shown in Blackboard is August 25th. The actual date is April 30th for all students, except those Students who qualify for an Incomplete (I Grade). They may continue working until August 25th to remove the I grade and finish the course.</i></p>

<p>Week 16 - Completion Days</p>	<p>All Students End of Chapter Quizzes (via textbook, online video, power points, <i>Chapter study packs</i>, and/or additional online videos)</p>	<ol style="list-style-type: none"> 1. Watch all 15 chapter videos; ~130 3-8 minutes each 2. Study the assigned 15 chapters 1-14, +16 (textbook); 3. Review all 15 required chapter Power Points (online-optional); 4. Review and Study <i>Chapter Study Packs</i> which provide additional information including worked examples for math application problems 5. Complete all End of Chapter Multiple Choice Quizzes Outlined in the Chapter Study Packs found Blackboard's Course Information Folder. There are over 60 small quizzes for 11 of the 15 required chapters. 	<p>All Quizzes are Open January 7th through April 30. All online End of Chapter quizzes must be completed by April 30th*.</p> <p><i>*Please note the deadline date shown in Blackboard is August 25th. The actual date is April 30th for all students, except those Students who qualify for an Incomplete (I Grade). They may continue working until August 25th to remove the I grade and finish the course.</i></p>
<p>Week 16 - Completion Days</p>	<p>All Students will complete the end of chapter vocabulary quizzes for all 17 chapters. Word list for each chapter are located at the end of each chapter.</p>	<p>All Students will complete the end of chapter vocabulary quizzes for all 17 chapters. The quizzes will be worth 4-8 points with 8-16 fill-in-the-blank terms. The words must be exactly as the word list at the end of each chapter, but are not case sensitive. Unlimited attempts, highest grade counts, Report all answer errors to the instructor**</p> <p>** Please notify the instructor via email of this error stating the exact term from the chapter and what the error is.</p>	<p>All 17 chapter Vocabulary quizzes are open from January 7th through April 30th. All online Chapter Vocabulary quizzes must be completed by April 30th*.</p> <p><i>*Please note the deadline date shown in Blackboard is August 25th. The actual date is April 30th for all students, except those Students who qualify for an Incomplete (I Grade). They may continue working until August 25th to remove the I grade and finish the course.</i></p>

FINAL GRADE BASED ON TOTAL EARNED POINTS (POINTS SUBJECT TO CHANGE) THE CLASS IS BASED ON TOTAL POINTS, APPROXIMATELY 1000 GIVE OR TAKE +/- (25 TO 50). TAKE THE TOTAL POSSIBLE AND AN A WILL BE 87% (870) ; B WILL BE 76% (760) HOWEVER, THE TOTAL POINTS MAY INCREASE OR DECREASE WHICH MAY CHANGE THE MINIMUM NUMBER OF POINTS FOR AN A; A B, AND A C (NOT HIGHER ONLY LOWER)

GRADE	POINTS
A	87% OF 1000 TOTAL POINTS (870-1000)
B	76% OF 1000 TOTAL POINTS (760-869)
C	60% OF 1000 TOTAL POINTS (600-759)
D	50% OF 1000 TOTAL POINTS (500-599)
F	BELOW 500 TOTAL POINTS

COURSE GRADE BREAKDOWN

YOUR FINAL GRADE IS BASED ON TOTAL POINTS (~1000 MAXIMUM):

APPROXIMATE 630 MAXIMUM POINTS FOR CHEMISTRY COURSE CONTENT VIA ONLINE QUIZZING (VIDEO QUIZZES & END OF CHAPTER QUIZZES)

APPROXIMATE 100 POINTS FOR 17 CHAPTER VOCABULARY QUIZZES

APPROXIMATE 100 MAXIMUM POINTS FOR ONLINE MIDTERM (CHAP 1-6)

APPROXIMATE 50 MAXIMUM POINTS FOR END TERM (FINAL) (CHAP 7,9,10,11,12,13) EXAM

APPROXIMATE 50 MAXIMUM POINTS FOR THE 17 CHAPTER VOCABULARY FINAL EXAM

APPROXIMATE 035 POINTS FOR REQUIRED GASOLINE PROJECT

APPROXIMATE 25 POINTS FOR SCIENTIFIC METHOD PROJECT #1 OR #25 OR NEW PROJECT NOT YET DESCRIBED

APPROXIMATE 010 POINTS FOR THE 1ST WEEK EXPLORATIONS. (EMAIL, CONTRACT)

APPROXIMATE 005 POINTS FOR THE THREADED DISCUSSION

APPROXIMATE TOTAL 1000 POINTS

SUMMARY OF PROJECTS/PAPERS/ACTIVITIES (PROJECTS HAVE BEEN REVISED-SEE BLACKBOARD COURSE ASSIGNMENTS):

EACH OF THE FOLLOWING ACTIVITIES MAY TAKE ONE TO FOUR HOURS TO COMPLETE.

1. SCIENTIFIC METHOD (CHAPTER 1) (~25 POINTS)
2. MEASUREMENT VIA GASOLINE PROJECT (CHAPTERS 1&16&17) (BEGINS WEEK 1 AND ENDS LAST WEEK OF TERM) 35 POINTS (REQUIRED)
3. CRITICAL THINKING-CREATE PERSONAL THERMOMETER (CHAPTER 2) (~10 POINTS)
4. ABOUT ELEMENTS & ATOMS (CHAPTER 3) (~10 POINTS)
5. ABOUT COMPOUNDS (CHAPTER 3) (~32 POINTS)
6. ABOUT ELECTRON CONFIGURATION (CHAPTER 4) (~10 POINTS)
7. ABOUT ELECTRICITY FROM NUCLEAR POWER PLANTS (CHAPTER 5&17) (~10 POINTS)
8. BUILDING MOLECULES ON LINE (CHAPTER 6) (~10-20 POINTS)
9. WATER QUALITY (CHAPTERS 7-8-16) (~10 POINTS)
- 10-11-12-13. HYBRID AND ELECTRIC CARS (CHAPTER 11) (FOUR ACTIVITIES) (10-20 POINTS EACH)
14. WORLD WITHOUT OIL (CHAPTER 12 & 17) (15 POINTS)
- 14A. ONLINE CHEMICAL REACTIONS LAB (CHAPTER 9) ~20-30 POINTS
15. PHOTOVOLTAIC RENEWAL ENERGY SOURCE (ELECTRICITY) (CHAPTER 17) ~10 POINTS
16. WIND RENEWAL ENERGY SOURCE (ELECTRICITY) (CHAPTER 17) ~10 POINTS
17. SOLAR THERMAL RENEWAL ENERGY SOURCE (ELECTRICITY) (CHAPTER 17) ~10 POINTS
18. DIET ANALYSIS (CHAPTER 13) (10-15 POINTS)
19. A PRESCRIPTION DRUG ANALYZED (CHAPTER 14) (5-10 POINTS)
20. TOXICOLOGY OF COMMERCIAL PRODUCTS AND HOUSEHOLD CHEMICALS (5-10 POINTS)
21. CLIMATE CHANGE (CHAPTER 1, 16, 17) (10-20-30 POINTS)
22. E.M. PULSE (CHAPTER 17 SECTION 17.3) (10-15 POINTS)
23. DR DAYS CANCER CURE VIDEOS (CHAPTER 14) (10 -15 POINTS)
24. THE CONTROLLED EXPERIMENT DEMONSTRATION (CHAPTER 1) ~20 POINTS (OPTIONAL OR PROJECT #1)
25. ISOMER # PROBLEM (CHAPTER 12) ~20-30 POINTS
33. METRIC SYSTEM/DIMENSIONAL ANALYSIS ACTIVITY: GIMLI GLIDER ~20 POINTS

26...32. MORE WILL BE ADDED AS THE TERM PROGRESSES.

COURSE EVALUATION IS OPTIONAL: 20 EXTRA CREDIT POINTS (10 POINTS FSCJ & 10 POINTS RATE MY PROFESSOR). THESE SURVEYS ARE ANONYMOUS. STUDENTS MUST NOTIFY VIA EMAIL THAT THEY HAVE SUBMITTED THE COURSE/INSTRUCTOR EVALUATION BY MAKE A SCREEN PRINT OF THE POPUP BOX STATING THE TASK HAS BEEN COMPLETED. (DO NOT SEND A COPY OF THE SURVEY TO YOUR INSTRUCTOR). THE FSCJ EVALUATION WINDOW IS OPEN TO THE STUDENT DURING THE LAST TWO WEEKS OF THE TERM AND MAY NOT BE COMPLETED AFTER A FINAL GRADE HAS BEEN ASSIGNED (MARCH 1). YOUR INSTRUCTOR MAY NOT SEE YOUR SURVEY UNTIL AFTER THE FINAL GRADES HAVE BEEN SUBMITTED TO THE COLLEGE (MARCH 1).

FN GRADE - FAILURE FOR NON-ATTENDANCE

Incomplete grade: It must be requested following the guideline set by the college. Students who do not finish by April 30th must speak with the instructor about extension of time. Grades will be submitted May 2nd.

COURSE GUIDELINES & POLICIES

ACADEMIC DISHONESTY

Academic dishonesty, in any form, has severe consequences. Click [here](http://www.fscj.edu/academic-dishonesty) (http://www.fscj.edu/academic-dishonesty) to view FSCJ's academic dishonesty definitions and procedures.

LATE / MAKE UP WORK

Communication via Email All email must have the designated code to begin the SUBJECT.

The Subject Code for this section: **A15** (for example Subject: **A15: First Email**)

All Activities and Testing remain Open until 11:59 pm April 30th therefore there is no late work (The 15 week term ends April 30th. The April 30th day assumes May 2nd will be the A-15 term grade deadline. April 29th and April 30th are now called completion days (replaces the old final exam days). Traditionally grades are usually due at 10 pm two days after the last day of completion.

The Midterm exam must be completed by the end of Spring Break (March 17) for full credit. After March 17th, the grade will be adjusted manually to 50% of the earned score.

The 1st week explorations must be completed by January 14th. Submission after January 14th (or the day the points are posted in Blackboard) will earn no points. Likewise the Scientific Method project option must be completed by January 21st to earn full credit otherwise a 20% penalty will be assessed for the work being completed after January 21st or the day after the 21st when the instructor post the grade in Blackboard

Students SHOULD Complete at least one to two chapters per week to finish. Each chapter take several hours of study and testing. You can not do 15 chapters in one week. It is up to the student to set her/his own personal weekly deadlines and assume the professor has programmed Blackboard that the chapter must be completed by midnight on that weekly due date.

The student will notice that the due date for all online testing is August 23rd. Because there are so many 2-4 question short testing, a student who qualifies for an incomplete final grade will be able to continue working after February 26th, but must be done no later than the end of the Summer Term 2019.

Required Projects have a five day grace period from due date before deemed late; 6-14 days 50% penalty; over two weeks no grade-work not accepted. Optional Projects have a deadline of February 27th. Deadlines are two weeks after the scheduled required chapters are to have been completed. Almost All projects are optional except Project #2 Gasoline which is due until the last day of the term

Optional Chapter projects are due on February 26th.

Expected Student Conduct:

<http://www.fscj.me/ExpectationsStudentConduct.htm>

Netiquette:

<http://www.fscj.me/netiquette.htm>

Electronic Device Policy:

<http://www.fscj.me/ElectronicMediaPolicy.htm>

Academic Integrity & Cheating:

<http://pages.ucsd.edu/~dkjordan/resources/cheat.html>