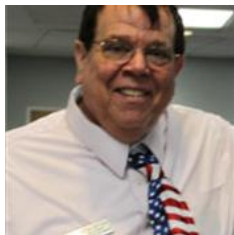


# CHM1020

CHE FOR LIB ART (105707-1-2188-B12-13-1-1)

## PROFESSOR INFORMATION



Taylor, John T.

[John.Taylor@fscj.edu](mailto:John.Taylor@fscj.edu)

Office Hours:

Days	Hours	Campus	Room	Phone
Monday	12:30-01:00 p.m.	DWC	Classroom G1702	(904) 614-0531 cell
Monday	05:30-06:00 p.m.	SOUTH	Classroom D202	(904) 614-0531 cell
Tuesday	10:00-12:30 p.m.	NORTH	D-0272 office	(904) 677-67631
Tuesday	05:00-05:30 p.m.	DWC	Classroom G1702	(904) 614-0531 cell
Wednesday	12:30-01:00 p.m.	DWC	Classroom G1702	(904) 614-0531 cell
Wednesday	05:00-05:30 pm	NORTH	D-0272 office	(904) 677-6763
Wednesday	08:30-09:00 p.m.	NORTH	Chem Lab D-204	(904) 614-0531 cell
Thursday	10:00-12:30 p.m.	NORTH	D-272 office	(904) 677-67631
Friday	07:30-09:30 a.m.	OCDISTANCE	Online	(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: Fall / 2018 / B / 12

### IMPORTANT DATES

Class Begins	2018-09-24
100% Refund Deadline	2018-09-11 7:00 PM (ET)
Withdraw with 'W' Deadline	2018-11-15 7:00 PM (ET)
Class Ends	2018-12-18

### College Holiday(s)

11/12/2018, 11/21/2018 @ 5:00 PM - 11/25/2018

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	9/24/2018 - 12/18/2018		

## INSTRUCTIONAL MATERIALS AND EQUIPMENT

You have three options for completing your course chemistry content. All center on each chapter section in the text. The same videos are used in all three Pathways. You purchase the text (and materials) according to the Pathway you chose to complete the course chemistry content requirements:

**Pathway 1:** you purchase the Ala-cart package which includes a loose-leaf version of the 5th edition of the text; the Mastering Chemistry code for the 5th edition, and e-book for use on your mobile devices from the bookstore (~\$170 plus tax). You will complete all chapter course work through Mastering Chemistry. If you do not like working in Mastering, then you may switch to Pathway 2 as you have the text for completing the requirements of Pathway 2 or you may switch to Path 3 at anytime. Pathway 1 package is sold in FSCJ's book store (As required).

**Pathway 2:** You may either purchase the ala-cart package for Pathway 1 from the Book Store, or just the paper back hard copy of the text or the e-book alone from any source (you do not

purchase both). You may purchase a used 5th edition of the text from any source as you do not need the Mastering Chemistry code for Pathway 2. You may purchase a loose-leaf book in a binder without the Access codes for under \$50 from a former student. You can purchase the International softback version on line from International book sales for approximately \$72. You may rent the book from any source. 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. Have this done no later than the first day of class September 24th. The instructor will be online live Sunday night September 23rd and 7:30-9:30 a.m. Monday September 24th for questions and answers and online orientation

**Pathway 3: In addition to securing a text from Pathway #2, you register an access to complete course content through the author's Conceptual Academy. This Conceptual Academy access requires a \$30 Access Fee Fall 2018 Semester. Look for an announcement email in Blackboard before the term begins.**

### 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/publickbarticleview?id=kAB700000008Oom>)

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](http://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](http://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](http://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

Pathway #1 Mastering Chemistry:

**Conceptual Chemistry, Books a la Carte Edition; Modified Mastering Chemistry with Pearson e-Text -- Value Pack Access Card, 5/E**

John A. Suchocki, St. Michael's College

ISBN-10:0133875598  
 ISBN-13:9780133875591  
 Publisher:Pearson

Pathway #2 Course Content Via Blackboard:

Author: Suchocki  
 Title: Conceptual Chemistry (w/out Access Code)  
 Publisher: Pearson  
 Edition: 5th  
 ISBN: 9780321804419

or

any used, rented 5th edition of the text.

**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 also information from our external web site::

<http://www.fscj.me/chm1020.html>

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

Week	Topic	Assignment	Due Dates
One	1st Week Explorations	Complete Discussion #1 in Blackboard: 'Who Am I?'	October 1st
One	1st Week Explorations	Complete the following 1st week explorations: 1. 24x7 Time Matrix - 5 points 2. Online Contract - 5 points 3. 'First Private Email' to the Instructor - 5 points 4. Brain Dominance - 5 points 5. Myers Briggs Type Inventory - 5 points 6. Learning Style Inventory* - 7 Points  These explorations are explained in Blackboard's Course Assignments Folder and via FSCJ Student Email prior to the first day of class August 31  * Available only during week one (see email prior to August 31)	October 1st
One	Gasoline Project - Project #2 (Chapter 1- Section 1.6 Measurement)	<a href="http://www.fscj.me/chm1020/Projects/Project2GasolineDemand/Project2GasolineDemandProject.htm">http://www.fscj.me/chm1020/Projects/Project2GasolineDemand/Project2GasolineDemandProject.htm</a>	December 19th
One	Controlled Experiment Demonstration (Optional)	<b>Project #24 (Optional)</b> <a href="http://www.fscj.me/chm1020/Projects/Project24ControlledExperimentDemonstration/TheControlExperimentDemonstration.htm">http://www.fscj.me/chm1020/Projects/Project24ControlledExperimentDemonstration/TheControlExperimentDemonstration.htm</a>	December 19th
Four	Midterm Exam - Online (Chapters 1-6)	Complete the 50-60 question Midterm Exam online during Week Four	December 19th
Seven	End Term Exam (Chapters 7-14, plus 16)	Complete the 40-50 question End Term Exam during Week Seven	December 19th
Seven	Online Vocabulary Final Exam (Chapters 1-17)	Complete the 35-45 question (Fill-in-the-Blank) Vocabulary Final Exam during week Seven (two to three terms from each of the 17 chapters)	December 19th

Seven	<p><b>Pathway 1 Students Only</b> Mastering Chemistry Assignments</p>	<p>Finish all 17 Mastering Chemistry Assignments by October 24th. Each Chapter assignment may have an earlier Deadline Date. Student should complete Chapter 1 and the two Optional Orientation assignments September 9; then two chapters per week from September 9 through October 14; then the last four chapters 12, 13,14,16 by October 24th</p>	<p>From September 24th through December 19th, grades will be posted for the completion of the Path 1 student after the deadline date. Path 2 students will have zeros entered in Blackboard Grade Book, and Path 2 students should ignore these zeros..it is total point not % which earns a final grade.</p>
Seven	<p><b>Pathway 2 Students Only</b> Online Video Quizzes End of Chapter Quizzes (via Chapter Study Packs)</p>	<ol style="list-style-type: none"> <li>1. Watch all 15 chapter videos;</li> <li>2. Study the assigned 15 chapters;</li> <li>3. Review all 15 chapter Power Points;</li> <li>4. Complete All Online Video Quizzes in Blackboard's Course Content (Required Path 2 Multiple Choice Quiz Folders)</li> <li>5. Complete all End of Chapter Quizzes Outlined the the Chapter Study Packs found Blackboard's Course Information Folder</li> </ol>	<p>All Quizzes are open from September 24th through December 19th. All online Path 2 quizzes must be completed by December 19th.</p>

Seven	<p><b>Pathway 3 Students Only</b>  <b>Conceptual Academy Only</b></p>	<p>The Conceptual Academy Course is divided into six units covering the 17 chapters as follows:  <b>Syllabus: Course ID (Requires \$30 fee)</b></p> <ul style="list-style-type: none"> <li>• Unit : A: Elements of Chemistry (Chapters 1-2-3)</li> <li>• Unit : B: Atoms and Bonding (Chapters 4-5-6)</li> <li>• Unit : C: Solutions and Reactions (Chapters 7-8-9)</li> <li>• Unit : D: Acids, Redox, Organic(Chapters 10-11-12)</li> <li>• Unit : E: Chemistry of Life (Chapters 13-14-15)</li> <li>• Unit : F: The Environment (Chapters 16-17)</li> </ul> <p>If you work in Path 3, all Units are required.</p> <p>You are required to (all within Conceptual Academy)</p> <ol style="list-style-type: none"> <li>1. read the chapter</li> <li>2. view the videos</li> <li>3. take quizzes on the videos viewed (use Video Quiz Button)</li> <li>4. at the end of each chapter take a reading quiz</li> </ol> <p>The Academy is setup on a much higher points scale. With 601 video quiz questions worth 1202 points total and 328 reading quiz points, there is a grand total of 1530 points.</p> <p>Your scores are housed in Conceptual Academy's Grade Book (Not in Blackboard's Grade Book)</p>	<p>On December 18th, The total points earned in Conceptual Academy (1530 max) will be multiplied by 65% (actually 60.5%--but a slight curve (65%) will be used) to equate to the 925 Path 1 or Path 2 Chemistry Content Points scored in Blackboard. The adjusted points will be posted in a new column in Blackboard so the student will be on equal footing with the Path 1 or Path 2 student so the grade ranges will apply equally to all paths.</p>
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**FINAL GRADE BASED ON TOTAL EARNED POINTS (POINTS SUBJECT TO CHANGE) THE CLASS IS BASED ON TOTAL POINTS, APPROXIMATELY 1125 GIVE OR TAKE +/- (25 TO 50). TAKE THE TOTAL POSSIBLE AND AN A WILL BE 85% (956.25 ROUNDED OFF TO 950) ; B WILL BE 75% (843.75 ROUND DOWN TO 800); C WILL BE 60% (675 ROUNDED DOWN TO 650); AND D WILL BE 50% (562.5 ROUNDED DOWN TO 500). A F WILL BE LESS THAN 500 EARNED POINTS. 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)~600 ONLINE CHEMISTRY COURSE CONTENT VIA PATH 1 OR PATH 2~100 ONLINE MIDTERM AND ENDTERM EXAMS~075 PROJECTS, ASSIGNMENTS, PAPERS~025 1ST WEEK EXPLORATIONS**

GRADE	POINTS
A	85% OF 1125 TOTAL POINTS (950-1125)
B	75% OF 1125 TOTAL POINTS (800-949)
C	60% OF 1125 TOTAL POINTS (650-799)
D	50% OF 1125 TOTAL POINTS (500-649)
F	BELOW 500 TOTAL POINTS

### COURSE GRADE BREAKDOWN

YOUR FINAL GRADE IS BASED ON TOTAL POINTS (~1125 MAXIMUM):

APPROXIMATE 925 MAXIMUM POINTS FOR CHEMISTRY COURSE CONTENT VIA PATH 1 OR PATH 2 AND

APPROXIMATE 100 MAXIMUM POINTS FOR ONLINE MIDTERM (CHAP 1-6) AND END TERM (CHAP 7-14,16) EXAMS; 35-45 POINTS VOCABULARY FINAL EXAM AND

APPROXIMATE 040 POINTS FOR REQUIRED GASOLINE PROJECT/ACTIVITIES/PAPER ESSAYS (OR ANY OPTIONAL PROJECTS OR OPTIONAL CHAPTERS (15 & 17) TESTING.AND

APPROXIMATE 025 POINTS FOR THE 1ST WEEK EXPLORATIONS. (MOST REQUIRED-SOME OPTIONAL) AND

APPROXIMATE 005 POINTS FOR THE THREADED DISCUSSION BOTH REQUIRED AND OPTIONAL

THE CONTENT POINT BREAK DOWN IS AS FOLLOWS:

COMPLETE EITHER PATHWAY #1, PATHWAY #2, OR PATHWAY #3 FOR COURSE CONTENT (OR ANY OF THE CHAPTERS FROM ANY OF THE PATHWAYS AS LONG AS 15 REQUIRED CHAPTERS ARE COMPLETED). *YOU SELECT JUST ONE PATHWAY TO COMPLETE A CHAPTER'S ACTIVITIES.:*

**PATHWAY #1: 15 CHAPTER ACTIVITIES & TESTING USING MASTERING CHEMISTRY FOR ~925 POINTS (EXTRA CREDIT FOR DOING CHAPTERS 15 & 17 ACTIVITIES AND/OR THE TWO OPTIONAL ORIENTATION ASSIGNMENTS THE FIRST WEEK) (IF A STUDENT DOES NOT COMPLETE THE REQUIRED 15 CHAPTERS (1-4, 6-7, 9-10, 12-14, 5, 8, 11, 16) NO EXTRA CREDIT FOR THE EXTRA CREDIT CHAPTERS MAY BE EARNED).** (TESTING IS DONE ENTIRELY THROUGH MASTERING CHEMISTRY PROGRAM AND NOT PROCTORED. MOST QUESTIONS HAVE ONE ATTEMPT WITH IMMEDIATE FEEDBACK FOR INCORRECT RESPONSES. THE ENTIRE CHAPTER ACTIVITY MAY NOT BE REPEATED, BUT MAY BE COMPLETE OVER SEVERAL SIGN-INS IF YOU EARN CREDIT IN A CHAPTER THROUGH PATH 1, THEN YOU DO NOT ATTEMPT THE CHAPTER IN PATH 2 OR PATH 3. ALL PATHWAY 1 STUDENT MUST COMPLETE THE ONLINE MIDTERM EXAM, END TERM EXAM, AND VOCABULARY FINAL EXAM POSTED IN BLACKBOARDS COURSE CONTENT.

**PATHWAY #2: 15 CHAPTER ACTIVITIES USING CHAPTER POWER POINTS; ONLINE VIDEO; TESTING ON BLACKBOARD FOR ~900 POINTS (1-4, 6-7, 9-10, 12-14, 5, 8, 11, 16) EXTRA CREDIT FOR DOING CHAPTERS 15, & 17 QUIZZES) TOTAL POINTS FOR REQUIRED CHAPTERS MAY EXCEED 900, IF SO ANY POINTS OVER 900 WILL BE CONSIDERED EXTRA CREDIT. (TESTING IS NOT PROCTORED) (UNLIMITED ATTEMPTS; HIGHEST SCORE COUNTS, NO TIME LIMIT). . IF YOU MISS THE DEADLINE FOR AN ACTIVITY (CHAPTER) IN PATH 1, THEN YOU MAY COMPLETE THAT CHAPTER IN PATH 2. PATH 2 HAS NO ASSIGNED DEADLINES EXCEPT THE LAST DAY OF THE TERM (OCTOBER 23RD). IT IS NOT ONLY SETUP AS A SEPARATE CONTENT PATH, BUT ALSO FOR ACTIVITY MAKEUPS FOR PATH 1. ALL PATHWAY 1 STUDENT MUST COMPLETE THE ONLINE MIDTERM EXAM, END TERM EXAM, AND VOCABULARY FINAL EXAM POSTED IN BLACKBOARDS COURSE CONTENT. (STUDENTS MAY NOT EARN CREDIT FOR COMPLETING THE EXTRA CREDIT CHAPTER UNTIL THEY HAVE COMPLETED THE REQUIRED 15 CHAPTERS)**

**PATHWAY #3 17 CHAPTER ACTIVITIES TOTALING 1530 POINTS (ALL 17 CHAPTER ACTIVITIES REQUIRED), WHICH WILL BE FACTORED TO 925 BY MULTIPLYING THE CA GRADE BOOK TOTAL POINTS EARNED BY 0.64. THE ADJUSTED CA GRADE BOOK POINTS WILL BE ENTERED MANUALLY INTO BLACKBOARD'S GRADE BOOK ON OCTOBER 24TH. (TESTING IS NOT PROCTORED). BUT EACH QUESTION IS WORTH 2 POINTS. SOME QUIZZES MAY BE REPEATED, WHILE ALL READING QUIZZES MAY NOT. ALL PATHWAY 3 STUDENT MUST COMPLETE THE ONLINE MIDTERM, END TERM, AND VOCABULARY FINAL EXAM POST IN BLACKBOARDS COURSE CONTENT.**

**PROJECT/PAPER/ACTIVITIES: ALL THREE PATHWAY STUDENTS WILL COMPLETE ANY OF THE 26 PROJECT/PAPER/ACTIVITIES TO EARN UP TO 300 EXTRA CREDIT POINTS\*. (IF MORE THAN 40 POINTS ARE EARNED THROUGH PROJECTS, THEN LESS POINTS ARE REQUIRED FOR THE COURSE CONTENT REQUIREMENTS)(10 ADDITIONAL PROJECTS ARE UNDER CONSTRUCTION AND MAY BE PUT ONLINE DURING THE TERM)**

**\*IF UP TO 80 EXTRA POINTS MAY BE EARNED THROUGH ADDITIONAL COURSE CONTENT VIA COMPLETING OPTIONAL CHAPTERS 15 & 17,**

**THE STUDENT HAS THE CHOICE TO SELECT THE ACTIVITIES/PROJECTS WHICH RANGE FROM 5 POINT TO 20 POINTS EACH BASED ON TIME REQUIRED TO COMPLETE THE WORK.**

**AS A RULE OF THUMB, FOR EACH ONE HOUR SPENT THE ACTIVITY EARNS UP TO 5-8 POINTS; TWO HOURS UP TO 10-16 POINTS, ETC.**

**THREADED ASYNCHRONOUS DISCUSSIONS (UP TO 5 POINTS). PARTICIPATION IS BOTH REQUIRED AND OPTIONAL BUT MUST BE COMPLETED PRIOR TO THE DEADLINES POSTED**

**REQUIRED MIDTERM EXAM (~60 POINTS) WILL NOT BE PROCTORED ONLINE FALL 2018 TERM (WEEK 4)**

**REQUIRED END-TERM EXAM (~40 POINTS) WILL NOT BE PROCTORED ONLINE FALL 2018 TERM (WEEK 7)**

**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) (UP TO 20 POINTS)**
- 2. MEASUREMENT VIA GASOLINE PROJECT (CHAPTERS 1&16&17) (BEGINS WEEK 1 AND ENDS LAST WEEK OF TERM) 40 POINTS) (REQUIRED)**
- 3. CRITICAL THINKING-CREATE PERSONAL THERMOMETER (CHAPTER 2) (5 POINTS)**

4. ABOUT ELEMENTS & ATOMS (CHAPTER 3) (5 POINTS)
5. ABOUT COMPOUNDS (CHAPTER 3)(24 POINTS)
6. ABOUT ELECTRON CONFIGURATION (CHAPTER 4)(5-10 POINTS)
7. ABOUT ELECTRICITY FROM NUCLEAR POWER PLANTS (CHAPTER 5&17) (10 POINTS)
8. BUILDING MOLECULES ON LINE(CHAPTER 6) (20-30 POINTS)
9. WATER QUALITY (CHAPTERS 7-8-16) (5 POINTS)
- 10-11-12-13. HYBRID AND ELECTRIC CARS (CHAPTER 11) (FOUR ACTIVITIES) (5-15 POINTS EACH)
14. WORLD WITHOUT OIL (CHAPTER 12 & 17))(5 POINTS)
15. PHOTOVOLTAIC RENEWAL ENERGY SOURCE (ELECTRICITY)(CHAPTER 17) 5 POINTS
16. WIND RENEWAL ENERGY SOURCE (ELECTRICITY)(CHAPTER 17) 5 POINTS
17. SOLAR THERMAL RENEWAL ENERGY SOURCE (ELECTRICITY)(CHAPTER 17) 5 POINTS
18. DIET ANALYSIS (CHAPTER 13)(5-10 POINTS)
19. A PRESCRIPTION DRUG ANALYZED (CHAPTER 14)(5 POINTS)
20. TOXICOLOGY OF COMMERCIAL PRODUCTS AND HOUSEHOLD CHEMICALS(5 POINTS)
21. CLIMATE CHANGE (CHAPTER 1, 16, 17) (10-20 POINTS)
22. E.M. PULSE (CHAPTER 17 SECTION 17.3) (5 POINTS)
23. DR DAYS CANCER CURE VIDEOS (CHAPTER 14) 5-10 POINTS
24. THE CONTROLLED EXPERIMENT DEMONSTRATION (CHAPTER 1) 10 POINTS (REQUIRED OR PROJECT #1)
25. ISOMER # PROBLEM (CHAPTER 12) 10-20 POINTS
- 26....MORE WILL BE ADDED AS THE TERM PROGRESSES.

COURSE EVALUATION IS OPTIONAL: 10-20 EXTRA CREDIT POINTS (5-10 POINTS FSCJ & 5-10 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 (AUGUST 21). YOUR INSTRUCTOR MAY NOT SEE YOUR SURVEY UNTIL AFTER THE FINAL GRADES HAVE BEEN SUBMITTED TO THE COLLEGE (AUGUST 24).

#### FN GRADE - FAILURE FOR NON-ATTENDANCE

Your final grade is based on total points (1125 maximum):

- ~925 Points for Chemistry Course Content (Path 1 or Path 2) and
- ~60 Points Midterm (Chap 1-6) Exam; ~40 Points End Term (Chap 7-14, 16) Exams and 35-45 Points Vocabulary Final Exam (all 17 chapters)
- ~40 (up to ~300) Points for Required (40) (#2 Gasoline) and Optional Project/Activities/Paper Essays (Extra Credit). and
- 005 Points for Optional Threaded Discussions and
- 025 points 1st Week Explorations

Complete either Pathway #1 or Pathway #2, for course content (or any of the chapters from any of the pathways as long as 15 required chapters are completed). You may complete Path 3 (Conceptual Academy) Activities for the course content but must finish all 17 chapters

*You select just one pathway to complete a chapter's activities.:*

As a rule of thumb, for each one hour spent the project/activity earns up to 5-8 points; two hours up to 10-16 points, etc.

Threaded Asynchronous Discussions besides *Who am I?* are optional and may earn extra credit

1. Explorations 1st Class 1st week; UP TO 25 POINTS) see below

#### Summary of Projects/Papers/Activities (Projects are revised in Blackboard's Course Information):

Each of the following Activities may take one to four hours to complete.

1. Scientific Method (Chapter 1) (20 points)
  2. Measurement via Gasoline Project (Chapters 1&16&17) (Begins Week 1 and ends last week of term) 40 points) (Required)
  3. Critical Thinking-Create Personal Thermometer (Chapter 2) (10 points)
  4. About Elements & Atoms (Chapter 3) (5 points)
  5. About Compounds (Chapter 3)(5 points)
  6. About Electron Configuration (Chapter 4)(5-10 points)
  7. About Electricity from Nuclear Power Plants (Chapter 5&17) (10 points)
  8. Building Molecules on line(Chapter 6) (20 points)
  9. Water Quality (Chapters 7-8-16) (5-10 points)
  - 10-11-12-13. Hybrid and Electric Cars (Chapter 11) (Four activities) (5 points each)
  14. World Without Oil (Chapter 12 & 17))(5 points)
  15. Photovoltaic Renewal Energy Source (Electricity)(Chapter 17) 5-10 points
  16. Wind Renewal Energy Source (Electricity)(Chapter 17) 5-10 points
  17. Solar Thermal Renewal Energy Source (Electricity)(Chapter 17) 5-10 points
  18. Diet Analysis (Chapter 13)(5-10 points)
  19. A Prescription Drug Analyzed (Chapter 14)(5 points)
  20. Toxicology of Commercial Products and Household Chemicals(5 points)
  21. Climate Change (Chapter 1, 16, 17) (10-20 points)
  22. E.M. Pulse (Chapter 17 section 17.3) (5-10 Points)
  23. Dr Days Cancer Cure Videos (Chapter 14) 5 points
  24. The Controlled Experiment Demonstration (Chapter 1) 5 points
  25. Isomer # Problem (Chapter 12) 10-20 points
- More will be added as the term progresses.

During the term, the total points for course content may change as chapters are posted in Blackboard.



The instructor will notify you if the total minimum points for an A (or B or C) is changed.

## **COURSE GUIDELINES & POLICIES**

### **ACADEMIC DISHONESTY**

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

### **LATE / MAKE UP WORK**

Pathway #1 Activities have a deadline for each chapter. If the deadline passes, then the student must complete the chapter in Pathway 2 to earn credit for that chapter.

Pathway #2 Activities and Testing remain Open until 11:59 pm October 24th therefore there is no late work (The 7 week term ends October 23rd. The October 24th day assumes October 25th will be the A-7 grade deadline. October 22nd and October 23rd are now called completion days (replaces the old final exam days). Traditionally grades are usually due at 2 pm two days after the last day of completion.

Pathway #3 is an option and it requires an addition charge of \$30 beyond the book purchase

Required Projects have a five day grace period from due date before deemed late; 6-14 days 50% penalty; over two week no grade-work not accepted. 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 December 18th.

### **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/~dlkjordan/resources/cheat.html>