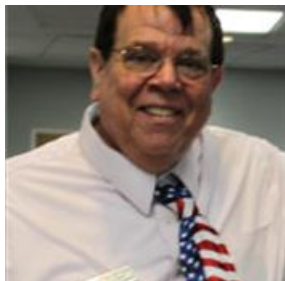


# CHM1020

CHE FOR LIB ART (105707-1-2188-1-5-1-1)

## 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 / A / 15

### IMPORTANT DATES

Class Begins	2018-08-31
100% Refund Deadline	2018-09-11 7:00 PM (ET)
Withdraw with 'W' Deadline	2018-11-07 7:00 PM (ET)
Class Ends	2018-12-18

### College Holiday(s)

09/03/2018, 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	DEERWOOD	DEERWOOD CENTER ROOM G1702	8/31/2018 - 12/18/2018	Tuesday	5:30 PM - 7:15 PM

## INSTRUCTIONAL MATERIALS AND EQUIPMENT

You have three options for completing your online portion of the chemistry content. All center on each chapter section in the text. The same videos are used in all three Pathways to supplement the short Hybrid lectures. You purchase the text (and materials) according to the Pathway you chose to complete the online 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 online requirements. 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/supplement the lecture for hybrid 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 for any student missing the first night of class September 24th.

**Pathway 3:** In addition to securing a text from Pathway #2, you register an access to complete the online portion of the 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/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.

[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 hybrid 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

**Conceptual Chemistry (w/Plus Mastering ChemAccess)(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, class announcements, and also information from our external web site::

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

Access Blackboard's Course Information for the outline of the online portion 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?'	September 11th
One	1st Week Explorations	<p>Complete the following 1st week explorations:</p> <ol style="list-style-type: none"> <li>24x7 Time Matrix - 5 points</li> <li>Online Contract - 5 points</li> <li>'First Private Email' to the Instructor - 5 points</li> <li>Brain Dominance - 5 points</li> <li>Myers Briggs Type Inventory - 5 points</li> <li>Learning Style Inventory* - 7 Points</li> </ol> <p>These explorations are explained in Blackboard's Course Assignments Folder and via FSCJ Student Email prior to the first day of class August 31</p> <p>* Available only during week one (see email prior to August 31)</p>	September 11th
One	Gasoline Project - Project #2 (Chapter 1- Section 1.6 Measurement) 60 Points	<p><a href="http://www.fscj.me/chm1020/Projects/Project2GasolineDemand/Project2GasolineDemandProject.htm">http://www.fscj.me/chm1020/Projects/Project2GasolineDemand/Project2GasolineDemandProject.htm</a></p> <p>begin week one and end project week 12</p>	December 19th
One	Controlled Experiment Demonstration (Optional)	<p><b>Project #24 (Optional)</b></p> <p><a href="http://www.fscj.me/chm1020/Projects/Project24ControlledExperimentDemonstration/TheControlExperimentDemonstration.htm">http://www.fscj.me/chm1020/Projects/Project24ControlledExperimentDemonstration/TheControlExperimentDemonstration.htm</a></p>	December 19th
Three	Chapter 1 In-Class Closed Book Test (See Chapter 1 Study Pack)	<p><b>Chapter 1 In-Class Test Outline</b></p> <p><b>Part A: Significant Figures</b> <a href="#">Answers</a></p> <p><b>Part B: Math with Significant Figures</b> <a href="#">Answers</a></p> <p><b>Part C: Scientific Notation</b> <a href="#">Answers</a></p> <p><b>Part D: Metric System &amp; Metric Prefixes</b> <a href="#">Answers</a></p> <p><b>Part E: Metric System Equivalences</b> <a href="#">Answers</a></p>	September 18
Four	Chapter 2 In-Class Closed Book Test (See Chapter 2 Study Pack)	<p>Chapter 2 In-Class test Outline:</p> <p><b>Part B: Density</b> <a href="#">Answers</a></p> <p><b>Part C: Forms of Energy</b> <a href="#">Answers</a></p> <p><b>Part D: Energy Transformations</b> <a href="#">Answers</a></p> <p><b>Part F: Properties of Solid, Liquids, and Gases</b> <a href="#">Answers</a></p> <p><b>Part G: Gas Laws</b> <a href="#">Answers</a></p> <p><b>Part K: Kinetic Molecular Theory</b> <a href="#">Answers</a></p> <p><b>Part P: Phase Diagrams</b> <a href="#">Answer</a></p>	September 25
Five	48 Common Element Flash Cards (See Project #4: Element Expert) 10 Points	<ul style="list-style-type: none"> <li><a href="#">Common Elements Table</a>(54 of 120) as Quiz Guide for the Expert Complete Hard Copy of Common 48 above or complete 54 Online Below:</li> <li><a href="#">Element Spelling Test</a></li> </ul>	October 2nd

Five	Chapter 3 In-Class Closed Book Test (see Chapter 3 Study Pack)	Chapter 3 In-Class Test Outline  <b>Part A:</b> <a href="#">Chemical and Physical Properties</a> <a href="#">Answers</a> <a href="#">Section 3.1</a> <b>Part A1:</b> <a href="#">Chemical and Physical Change</a> <a href="#">Answers</a> <a href="#">Section 3.1</a> <b>Part B:</b> <a href="#">Elements and Symbols</a> <a href="#">Answers</a> <a href="#">Section 3.2</a> <b>Part C:</b> <a href="#">Element Classification</a> <a href="#">Answer</a> <a href="#">Section 3.3</a> <b>Part D:</b> <a href="#">Compounds and Chemical Formulas</a> <a href="#">Answers</a> <a href="#">Section 3.4</a> <b>Part G:</b> <a href="#">Matter Chart</a> <a href="#">Answers</a> <a href="#">Section 3.7</a> <b>Part P:</b> <a href="#">Periodic Properties</a> <a href="#">Answer</a> <a href="#">Section 3.3</a>	October 2nd
Six	Chapter 4 In-Class Closed Book Test (See Chapter 4 Study Pack)	Chapter 4 In-Class Test Outline Part A: <a href="#">Atomic Notation</a> <a href="#">Answers</a> Part B: <a href="#">Electron Configuration</a> <a href="#">Answers</a> Part B1: <a href="#">Electron Configuration of Ions</a> <a href="#">Answers</a> Part C: <a href="#">Orbitals and Subshells</a> of the Periodic Table <a href="#">Answer</a> Part D: <a href="#">Spectroscopic Notation</a> from Periodic Table <a href="#">Answer</a> Part P: <a href="#">Periodic Properties</a> <a href="#">Answer</a>	October 9th
Seven	Chapter 3 Section 3.5 Project #5 Part I	<b>Project #5 About Inorganic Compounds-Part I</b> (Chapter 3.5)(Names & Formulas) Task #1: <a href="#">Binary Ionic Names</a> Task #2: <a href="#">Binary Ionic Formulas</a>  <b>Project #5 Inorganic Compounds</b> <a href="#">Nomenclature Grading Form</a> Download <a href="#">WORD .doc</a> File	October 16th
Seven	Chapter 6/Chapter 3.5 Part I In-Class Closed Book Test (See Chapter 6 Study Pack) (See Chapter 3 Study Pack)	<b>Chapter 6 In-Class Test Outline</b> <b>Part A:</b> <a href="#">Dot Structures Atoms</a> <a href="#">Answers</a> <b>Part B:</b> <a href="#">Ionic Character</a> <a href="#">Answers</a> <b>Chapter 3.5 In-Class test outline</b> <b>Part F:</b> <a href="#">Binary Ionic Compounds</a> <a href="#">Answers</a>	October 16th
Eight	Chapter 3 Section 3.5 Project #5 Part II	<b>Project #5 About Inorganic Compounds-Part II</b> (Chapter 3.5)(Names & Formulas-Part II) Task #5: <a href="#">Polyatomic Ion Names</a> <a href="#">Use Table Polyions</a> Task #6: <a href="#">Polyatomic Ion Formulas</a> <a href="#">Use Table Polyions</a> Task #7: <a href="#">Ternary Ionic Names</a> <a href="#">Use Table Polyions</a> Task #8: <a href="#">Ternary Ionic Formulas</a> <a href="#">Use Table Polyions</a>  <b>Project 5 Inorganic Compounds</b> <a href="#">Nomenclature Grading Form</a> Download <a href="#">WORD .doc</a> File	October 23rd
Eight	Chapter 6 Dot Structures of Molecules (See Project #8)	a. <a href="#">Dot Structure Directions</a> b. <a href="#">Data Page Report Form</a> c. <a href="#">Online Interactive Web Sites for Building Molecules</a> <a href="#">Drag and Drop Instructor's Site</a>	October 30th
Eight	Chapter 6/Chapter 3.5 Part II In-Class Closed Book Test (See Chapter 6 Study Pack) (See Chapter 3 Study Pack)	<b>Chapter 6 In-Class Test Outline</b> <b>Part C:</b> <a href="#">Bond Recognition</a> <a href="#">Answers</a> <b>Part D1:</b> <a href="#">Dot Structures of Molecules</a> <a href="#">Answer</a> <b>Chapter 3.5 In-Class Test Outline Part II</b> <b>Part E2:</b> <a href="#">Ternary Ionic Compounds</a> <a href="#">Answers</a>	October 23rd
Eight	Midterm Exam - On line (Chapters 1-6)	Complete the 60 question Midterm Exam online during Week Seven	December 19th

Nine	Chapter 6 Part II In-Class Closed Book Test	<b>Chapter 6 Part II In-Class Test Outline</b> <b>Part D2: <a href="#">Dot Structures of Molecules</a> <a href="#">Answer</a></b> <b>Part E: <a href="#">Bond Angles</a> (Octet Rule-Steric Numbers 2-3-4) <a href="#">Answers</a></b> <b>Part F: <a href="#">Molecular Geometry</a> (Octet Rule) Steric Numbers 2-3-4 <a href="#">Answers</a></b> <b>Part H: <a href="#">Polar/Nonpolar Molecules</a> (Octet Rules) Steric Numbers 2-3-4 <a href="#">Answers</a></b>	October 30th
Nine	Project 15: Chemical Reactions Observations	<b>Project #15:</b> <b>Chemical Reactions Observations</b> <a href="http://fscj.me/chem1020/Projects/Project15ChemicalReactions/Project14ChemicalReactions.htm">http://fscj.me/chem1020/Projects/Project15ChemicalReactions/Project14ChemicalReactions.htm</a> <b>Download Word File:</b> <a href="http://fscj.me/chem1020/Projects/Project15ChemicalReactions/Project14ChemicalReactions.docx">http://fscj.me/chem1020/Projects/Project15ChemicalReactions/Project14ChemicalReactions.docx</a>	November 6th (Election Day)
Ten	<b>Chapter 9.1 In - Class test</b> (see Chapter 9 I Study Pack)	<b>Chapter 9.1 In-Class Test</b> A. <a href="#">Basic Reaction Symbols-</a> <a href="#">Answers</a> <b>A1. <a href="#">Classifying Chemical Reactions-</a> <a href="#">Answers</a></b> <b>B. <a href="#">Balancing Chemical Equations</a> <a href="#">Answers</a></b> <b>B1. <a href="#">Predicting Single Replacement Products</a> <a href="#">Answer</a></b> <b>B2. <a href="#">Predict Double Replacement</a> <a href="#">Answers</a></b> <b>B3 <a href="#">Neutralization/Gas Forming Reactions</a> <a href="#">Answers</a></b>	November 6th
Eleven	<b>Chapter 10/11 In-Class test</b> (See Study Packs Chapters 10 7 11)	<b>Chapter 10 In-Class test</b> Part A: Acid-Base Key Terms Part B Properties of Acids and Bases Part C Arrhenius Acids and Bases Part D <a href="#">Bronsted Lowry Acids/Bases</a> <a href="#">Answers</a> Part E Ionization of Water Part F <a href="#">The pH Concept</a> <a href="#">Answers</a> Part G: Lewis Acids and Bases Part H: Buffer Solutions Part J: <a href="#">Acid-Base Properties of Salts</a> <a href="#">Answer</a> Part W: <a href="#">Rewrite Equations Ionically</a> <a href="#">Answers</a>	November 13th
Twelve	Chapter 11 Oxidation & Reduction	<b>CHAPTER 11 OXIDATION REDUCTION</b> <a href="#">REDOX STUDY GUIDE</a> DOWNLOAD <a href="#">.DOC FILE</a> <a href="#">REDOX STUDY GUIDE (CSS WEB SITE)</a> (NEW SPRING 2010) <a href="#">Common Oxidizing and Reducing Agents</a>  <a href="#">FSCJ REDOX Challenge Contest</a>  <a href="#">PBS World of Chemistry Video</a> Watch Episodes: #15: The Busy Electron  2YC3 Conference: <a href="#">REDOX Challenge Contest ppt</a>  <a href="#">2YC3 REDOX Challenge Contest Abstract</a>  <a href="#">Great REDOX with Video</a>	November 20th
Thirteen	Chapter 12 Isomer Number Problems Homework (see Project #25)	<b>Project #25 Isomer Number Problem Assignment:</b> a. <a href="#">Isomer Number Problems</a> Assignment b. <a href="#">Isomer Number Data Report Form</a> c. <a href="#">Play Hexane Isomer</a> Video (mp4 file)	December 4th

Fourteen	<p><b>Chapter 12 In-Class Test</b> (See Chapter 12 Study Pack)</p>	<p><b>Chapter 12: Organic Compounds</b>  A. <a href="#">Alkane Series</a> <a href="#">Answers</a>  B. <a href="#">Alkyl Radicals</a> <a href="#">Answers</a>  C. <a href="#">Structural Isomer</a> Problem Test Questions  <u>C<sub>6</sub>H<sub>12</sub></u> and <u>C<sub>6</sub>H<sub>10</sub></u> <a href="#">5 total isomers</a>;  <u>C<sub>6</sub>H<sub>14</sub></u> 5 isomers; <a href="#">Answers</a>  <u>C<sub>7</sub>H<sub>16</sub>Br</u> 4 isomers; <a href="#">Answers</a>  <u>C<sub>7</sub>H<sub>16</sub>Br<sub>2</sub></u> 4 isomers; <a href="#">Answers</a>  <u>C<sub>8</sub>H<sub>10</sub></u> 5 isomers (<a href="#">cycloalkanes only</a>);  <u>C<sub>8</sub>H<sub>10</sub></u> 5 isomers (<a href="#">alkenes only</a>)  D. <a href="#">Recognition of 1<sup>o</sup>, 2<sup>o</sup>, 3<sup>o</sup>, 4<sup>o</sup></a> carbons (<a href="#">1<sup>o</sup></a>, <a href="#">1<sup>o</sup></a>, <a href="#">2<sup>o</sup></a>, <a href="#">3<sup>o</sup></a>, <a href="#">4<sup>o</sup></a>) &amp; hydrogen <a href="#">Answers</a>  E. <a href="#">Nomenclature of Alkanes</a> and Cycloalkanes <a href="#">Answers</a>  F. <a href="#">Functional Group Recognition</a> <a href="#">Answers</a></p>	December 4
Fifteen	End Term Exam (Chapters 7-14, plus 16)	Complete the 40 question End Term Exam during Week Twelve	December 19th
Fifteen	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
Fifteen	<p><b>Pathway 1 Students Only</b> Mastering Chemistry Assignments</p>	Finish all 17 Mastering Chemistry Assignments by December 19th. Each Chapter assignment may have an earlier Deadline Date. Student should complete Chapter 1 and the two Optional Orientation assignments September 11th; then one/two chapters per week from September 18th through December 11; then the last three chapters 13,14,16 by December 19th	From September 4th through December 19th, grades will be posted for the completion of the Path 1 on or before 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.
Fifteen	<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>	All Quizzes are open from September 4th through December 19th. All online Path 2 quizzes must be completed by December 19th.



Fifteen	<p><b>Pathway 3 Students Only 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. As a result, the grade ranges will apply equally to all three 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 1670 GIVE OR TAKE +/- (25 TO 50). TAKE THE TOTAL POSSIBLE AND AN A WILL BE ~ 85% ; B WILL BE ~75% ; C WILL BE 60% ; D WILL BE 50% . F WILL BE LESS THAN 50% OF 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
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A	85% OF 1670 TOTAL POINTS (1400-1670)
B	75% OF 1670 TOTAL POINTS (1200-1399)
C	60% OF 1670 TOTAL POINTS (1000-1199)
D	50% OF 1670 TOTAL POINTS (750-999)
F	BELOW 750 TOTAL POINTS

## COURSE GRADE BREAKDOWN

YOUR FINAL GRADE IS BASED ON TOTAL POINTS (~1670 MAXIMUM):

APPROXIMATE 925 MAXIMUM POINTS FOR CHEMISTRY COURSE CONTENT VIA PATH 1 OR PATH 2 OR PATH 3 AND

APPROXIMATE 60 MAXIMUM POINTS FOR ONLINE MIDTERM (CHAP 1-6) AND

APPROXIMATE 40 END TERM (CHAP 7-14,16) EXAMS; AND

APPROXIMATE 45 POINTS VOCABULARY FINAL EXAM AND

APPROXIMATE 300 POINTS IN-CLASS WEEKLY CLOSED BOOK TESTING

APPROXIMATE 130 POINTS REQUIRED PAPER & PENCIL HOMEWORK/PROJECTS

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 925 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 (DECEMBER 19TH). IT IS NOT ONLY SETUP AS A SEPARATE CONTENT PATH, BUT ALSO FOR ACTIVITY MAKEUPS FOR PATH 1. ALLPATHWAY 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 0.65. THE ADJUSTED CA GRADE BOOK POINTS WILL BE ENTERED MANUALLY INTO BLACKBOARD'S GRADE BOOK ON DECEMBER 19TH. (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 MAY COMPLETE ANY OF THE NOT REQUIRED PROJECT/PAPER/ACTIVITIES TO EARN UP TO 300 EXTRA CREDIT POINTS\*.

**\*UP TO 80 EXTRA POINTS MAY BE EARNED THROUGH ADDITIONAL COURSE CONTENT VIA COMPLETING OPTIONAL CHAPTERS 15 & 17 FOR PATHS 1 & 2,**

THE STUDENT HAS THE CHOICE TO SELECT THE ACTIVITIES/PROJECTS WHICH RANGE FROM 5 POINT TO 30 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 5-10 POINTS; TWO HOURS UP TO 10-20 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 7)

REQUIRED END-TERM EXAM (~40 POINTS) WILL NOT BE PROCTORED ONLINE FALL 2018 TERM (WEEK 12)

## 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)
4. ABOUT ELEMENTS & ATOMS (CHAPTER 3)
5. ABOUT COMPOUNDS (CHAPTER 3)
6. ABOUT ELECTRON CONFIGURATION (CHAPTER 4)
7. ABOUT ELECTRICITY FROM NUCLEAR POWER PLANTS (CHAPTER 5&17)
8. BUILDING MOLECULES ON LINE(CHAPTER 6)
9. WATER QUALITY (CHAPTERS 7-8-16)
- 10-11-12-13. HYBRID AND ELECTRIC CARS (CHAPTER 11) (FOUR ACTIVITIES) (10-20 POINTS EACH)
14. WORLD WITHOUT OIL (CHAPTER 12 & 17))(10 POINTS)
15. CHEMICAL REACTIONS OBSERVATIONS AND EQUATION WRITING (30 POINTS REQUIRED FALL 2018)
- 16A. PHOTOVOLTAIC RENEWAL ENERGY SOURCE (ELECTRICITY)(CHAPTER 17)
- 16B. WIND RENEWAL ENERGY SOURCE (ELECTRICITY)(CHAPTER 17)
- 16C. SOLAR THERMAL RENEWAL ENERGY SOURCE (ELECTRICITY)(CHAPTER 17)
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) 30 POINTS (REQUIRED FALL 2018 TERM)
- 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 DECEMBER 19TH). YOUR INSTRUCTOR MAY NOT SEE YOUR SURVEY UNTIL AFTER THE FINAL GRADES HAVE BEEN SUBMITTED TO THE COLLEGE (DECEMBER 21ST).

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

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 change

## **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 December 19th therefore there is no late work (The 12 week term ends December 19th. The December 19th day assumes December 21st will be the B-12 grade deadline. December 18th and 19th 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 students must complete all 17 chapters online activities and testing in Conceptual Academy by December 19th. Pathway #3 is an option and it requires an addition charge of \$30 beyond the book purchase

Project #2 Gasoline which is due until the last day of the term may be submit via hard copy during the week of December 4-8.

Classes will not meet f-2-f December 11-19th on campus, but will be virtual so that all activity online may be completed by December 19th.

If the student is behind in completing any of the 15 required chapters of Online testing; and/or the Midterm Exam, then the week of December 11-19 may be used to finish.

The End Term Exam and the Vocabulary Final Exam should be completed online during the week of December 11-19 as scheduled above.

Optional Chapter projects are due on December 19th and must be submitted electronically via email attachment, if not submitted during the last f-f class meeting the week of December 4-9.

The are no make-up for an in-class weekly closed book test (Your score will be zero), unless arranged with the instructor prior to absence. Students must complete additional optional paper or projects to makeup the missed points. Once an in-class test is returned to the class the test is void. A student absent may complete the in-class test during one of the other scheduled f-2-f meeting classes staffed by the instructor or complete the missed test during any of the scheduled office hours--see the office hour/Class Matrix schedule posted in Blackboard's Course Information for the where and when these other classes and office hours are met.

## **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>