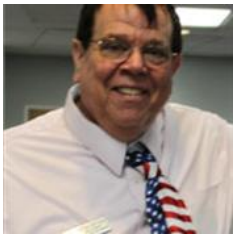
CHM1020

CHE FOR LIB ART (105707-1-2185-B12-3-1-1)

PROFESSOR INFORMATION



Taylor, John T.

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Office Hours:

Days	Hours	Campus	Room	Phone
Monday	01:00-02:00 p.m.	NORTH	D-272 office	(904) 614-0531 cell
Monday	05:00-06:00 pm	NORTH	D-272 office	(904) 614-0531 Cell
Tuesday	08:30-9:30 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: Summer / 2018 / B / 12

IMPORTANT DATES

Class Begins	2018-05-29
100% Refund Deadline	2018-06-05 7:00 PM (ET)
Withdraw with 'W' Deadline	2018-07-19 7:00 PM (ET)
Class Ends	2018-08-21

College Holiday(s)
07/04/2018

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	NORTH	0211	5/29/2018 - 8/21/2018	Monday	6:00 PM - 8:00 PM

INSTRUCTIONAL MATERIALS AND EQUIPMENT

You have three options for completing your online chemistry course content. All center on each chapter section in the text. The same video lectures 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 online chapter course work through Mastering Chemistry. You will also have in-class assignments, lectures, and paper and pencil tests. If you do not like working in Mastering to complete the online content, then you may switch to Pathway 2 as you have the text for completing the requirements of Pathway 2 . Pathway 1 package is sold in FSCJ's book store (As required-really optional as I could not have more than one book on the shelf).

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 replaces some of the lecture inclass lecture components. Have this done no later than the first day of class.

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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 Summer 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 andOperating Systems
(http://blackboard.force.com/publickbarticleview?id=kAB700000008Oom)
to see if your browser and operating system are compatible.

Please notethe 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
Reliableand consistent computer and Internet access is encouraged tosuccessfully participate in and complete online courses. Ensure thatyour computer meets the minimumsystem requirements noted below and on the Florida State College atJacksonville 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/)

Itis a good idea to check your computer at the beginning of each courseand a couple of times throughout the term to ensure you have all thenecessary software and plug-insto use the Blackboard online system and course features.

After loggingin to Blackboard, choose the Browser Checker link.

Review the resultsand 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

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) 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/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	Orientation to the class, the syllabus, Blackboard, and online web site	Complete Discussion #1 in Blackboard: 'Who Am I?'	June 11th
One	1st Week Explorations Lecture: Chapter 1 (About Science)	Complete the following 1st week explorations: 1. 'First Email' to the Instructor - 5 points 2. 24x7 Time Study - 5 Points 3. Brain Dominance - 5 points 4. Myers Briggs Type Inventory - 5 points 5. Learning Style Inventory* - 7 Points (Optional extra credit) These explorations are of will be explained in Blackboard's Course Announcement and via FSCJ Student Email prior to the first day of class May 7 * Available for only 48 hours May 12th & 13th (see email on May 10th)	June 11th
One	Gasoline Project - Project #2 (Chapter 1-Section 1.6 Measurement)	**http://www.fscj.me/chm1020/Projects/Project2GasolineDemand/Project2GasolineDemandProject.htm** **Project #2. Measurement via Gasoline Project (Chapters 1&16&17) (Required)(20 points)** **a. Gasoline Demand Project Directions** **Download WORD .doc file: Project2GasolineDemandProject.doc** **b. Gasoline Demand Project Projections** **Download WORD .doc file: Project2GasolineDemandProjections.doc** **c. Throw Away Car Philosophy** **Download WORD .doc file: Project2MyThrowAwayCar.doc** **d. Sample Gasoline Project Data Presentation** **Download WORD .doc file:** **SampleGasolineProjectDataPresentation.doc** **e. Professor Taylor's Gasoline Project Raw Data Collection (without calculations or presentation)**	August 21
One	Controlled Experiment Demonstration	**Project #24** **http://www.fscj.me/chm1020/Projects/Project24ControlledExperimentDemonstration/TheControlExperimentDemonstration.htm**	June 18th
Two	Chapter 2: Particles of Matter	Complete Chapter 1 Online Quizzes (Video 1.1-1.6 End Chapter Parts A-F, S) Chapter 1 in-class Exam (See Chapter 1 Study Pack) (Part A,B,C,D,E,F,P) Lecture Topic: Chapter 2 Particles of Matter	June 11th
Three	Chapter 3 Element of Chemistry	Complete Chapter 2 Online Quizzes (2.1-2.7) and end of chapter online quizzes (B-V) Chapter 2 in-class Exam (See Chapter 2 Study Pack) (Part B-P) Lecture Topic: Chapter 3 (Elements of Chemistry) Project #4. About Elements & Atoms (Chapter 3) (5 points)(Optional) Project #4: Element Expert 1. Element Expert Directions Download WORD .doc file 2. Abstract: Origin of the Elements Download WORD .doc file 3. Read Origin of the Elements Text Section---Download WORD .doc File 4. Video Clips: Origin of the Elements (see email for web site) ***http://northcampus.net/CHM1020/Projects/Project04ElementExpert/BirthUniverse/OriginElement.html*** 5. Common Elements Table(54 of 120) as Quiz Guide for the Expert 6. Element Spelling Test (36 Required) 7. The Element Game	June 18th

Four	Chapter 4 Subatomic Particles	Complete Chapter 3 Online Quizzes (3.1-3.8) and end of chapter online quizzes (A-G; P) Chapter 3 in-class Exam (See Chapter 3 Study Pack) (Part B-P), exclude Section 3.5 plus Parts E,E1,E2,F Lecture Topic: Chapter 4 (Subatomic Particles)	June 25
Five	Chapter 5 The Atomic Nucleus Chapter 6 How Atoms Combine	Complete Chapter 4 Online Quizzes (4.1-4.9) and end of chapter online quizzes (A-D, P, S)) Chapter 4 in-class Exam (See Chapter 4 Study Pack) (Part A-D, P) Lecture Topic: Chapter 6 (How Atoms Bond) Complete Online Chapter 5 The Atomic Nucleus Complete Online Names & Formulas Assignment: **Project# 5 Tasks** Task #1: Binary Ionic Names Task #2: Binary Ionic Formulas Task #3: Binary Molecular Names Task #4: Binary Molecular Formulas Task #5: Polyatomic Ion Names **For CHM 1020 Use Table Polyions** Task #6: Polyatomic Ion Formulas **For CHM 1020 Use Table Polyions** Task #7: Ternary Ionic Names **For CHM 1020 Use Table Polyions** Task #8: Ternary Ionic Formulas **For CHM 1020 Use Table Polyions** **Complete Dot Structure Activity:** **Project #8. Building Molecules on line(Chapter 6) (20 points)(Required)** **a. Project #8 Building Molecules** **b. Project #8 Data Page Report Form** **c. Online Interactive Web Sites for Building Molecules** **Drag and Drop Instructor's Site** **St. Olaf College's Building Lewis Dot Structures interactive web site (stick/dot)** **LSRHS Building Dot Structures interactive web site (Dots)(need Flash Player)** **Mr Kent's High School Web Site: Building Dot Structures**	July 2
Six	Chapter 7 How Molecules Mix	Complete Chapter 5 Online Quizzes (5.1-5.9) and End of Chapter quizzes Parts (A-H) Complete Chapter 6 Online Quizzes (6.1-6.8) and end of chapter online quizzes (A-H; V)) Chapter 6 in-class Exam (See Chapter 6 Study Pack) (Part A-D, P) Plus Chapter 3 Section 3.5 Parts E,E1,E2,F Exam Submit Online Names & Formulas Project Submit Dot Structure Homework Activity Lecture Topic: Chapter 7 (How Atoms Mix) Complete Online Midterm Exam (Chapters 1-6)	July 9
Six	Midterm Exam - On line (Chapters 1-6)	Complete the 50-60 question Midterm Exam online during Week 6	July 9-July 16
Seven	Chapter 8 How Water Behaves (Complete online only) Chapter 9 How Chemicals React	Complete Chapter 7 Online Quizzes (7.1-7.7) and end of chapter online quizzes (A-H; V)) Chapter 7 in-class Exam (See Chapter 7 Study Pack) (Part A-D) Lecture Topic: Chapter 9 (How Chemicals React)	July 16
Eight	Chapter 10 (Acids and Bases in our Environment)	Complete Chapter 8 Online Quizzes (8.1-8.6) Complete Chapter 9 Online Quizzes (9.1-9.7) and end of chapter 9 online quizzes Chapter 9 in-class Exam (See Chapter 9.1 Study Pack) (Parts A, A1, B) Take Home Exam Chapter 9 (Parts B1, B2, B3) Complete Chemical Reactions Lab Activity Lecture Topic: Chapter 10 (Acids and Bases in our Environment)	July 23
Nine	Chapter 11 (Oxidation Reduction Change the World	Submit Chemical Reactions Online Lab Activity Submit Take-Home Paper & Pencil Exam Chapter 9.1 Parts B1, B2,B3 Complete Chapter 10 Online Quizzes (10.1-10.6) and End of Chapter Online Quizzes Part A-H. Complete In-Class Paper & Pencil Exam Chapter 10 Parts A-P) See Chapter 10 Study Pack Lecture: Chapter 11 (Oxidation and Reduction Change the World	July 30

Ten	Chapter 12 (Organic Compounds)	No-Chapter 11 In-Class exam Lecture Chapter 12 Organic Compounds In-Class Lab Activity: Isomer # Problem (Chapter 12 Part C) Project #25. **The Isomenr Number Problems** (Chapter 12) 20 points (Required) a. Project 25: Isomer Number Problems Assignment b. Project #25 Isomenr Number Data Report Form c. Play Hexane Isomer Video (mp4 file)	August 6
Eleven	Complete Chapters 13, 14, 16 online Chapter 13 Nutrients of Life Chapter 14 Medical Chemistry Chapter 16 Protecting Water & Air Resources	No In-class Chapter 12 Exam Complete Chapter 12 Online Quizzes (12.1-12.9 plus End of Chapter A-F) Complete Chapter 13 Online Quizzes (13.1-13.8 Plus End of Chapter A-D Complete Chapter 14 Online Quizzes (14.1-14.7) Complete Chapter 16 Online Quizzes (16.1-16.7) Lecture Chapter 13 Introduction to Biochemistry	August 13
Twelve	End Term Exam (Chapters 7-14, plus 16)	Complete the 50-60 question End Term Exam during Week 11 and ending August 20th Also Finish By Wednesday August 22nd Midnight: Chapter 12 Online Quizzes (12.1-12.9 plus End of Chapter A-F) Chapter 13 Online Quizzes (13.1-13.8 Plus End of Chapter A-D Chapter 14 Online Quizzes (14.1-14.7) Chapter 16 Online Quizzes (16.1-16.7)	End Term Exam: August 6-22 All Online Chapters 1-14, 16 quizzes by Wednesday August 22 midnight

FINAL GRADE BASED ON TOTAL EARNED POINTS (POINTS SUBJECT TO CHANGE)

GRADE	POINTS
A	**85% OF 1500 TOTAL POINTS (1250-1500)**
B	**75% OF 1000 TOTAL POINTS (1100-1249)**
C	**60% OF 1000 TOTAL POINTS (850-1099)**
D	**50% OF 1000 TOTAL POINTS (750-849)**
F	**BELOW 750 TOTAL POINTS**

COURSE GRADE BREAKDOWN

YOUR FINAL GRADE IS BASED ON TOTAL POINTS (~1500 MAXIMUM) (DO NOT LOOK AT BLACKBOARD % GRADES):

APPROXIMATE 900-925 MAXIMUM POINTS FOR CHEMISTRY ONLINE COURSE CONTENT VIA PATH 1
OR
APPROXIMATE 900 MAXIMUM POINTS FOR CHEMISTRY ONLINE COURSE CONTENT VIA PATH 2 AND
APPROXIMATE 100 MAXIMUM POINTS FOR ONLINE MIDTERM (CHAP 1-6) AND END TERM (CHAP 7-14,16) EXAMS AND
APPROXIMATE 190-200 POINTS FOR REQUIRED/OPTIONAL PROJECTS/ACTIVITIES/PAPER ESSAYS, ASSIGNMENTS OR CLASS ACTIVITIES AND
APPROXIMATE 20-28 POINTS FOR THE 1ST WEEK EXPLORATIONS. AND
APPROXIMATE 007 POINTS FOR THE THREADED DISCUSSION BOTH REQUIRED AND OPTIONAL AND
APPROXIMATE 005 HYBRID COURSE CONTRACT
THE CONTENT POINT BREAK DOWN IS AS FOLLOWS:

COMPLETE EITHER PATHWAY #1, PATHWAY #2, OR PATHWAY #3 FOR ONLINE 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 ~900 POINTS (EXTRA CREDIT FOR DOING CHAPTERS 15 & 17 ACTIVITIES)
(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). (ONLINE TESTING IS DONE ENTIRELY THROUGH MASTERING CHEMISTRY PROGRAM AND NOT PROCTORED. EACH QUESTION MAY HAVE JUST ONE ATTEMPT WITH IMMEDIATE FEEDBACK FOR INCORRECT RESPONSES. THE ENTIRE CHAPTER ACTIVITY MAY NOT BE REPEATED IF YOU EARN CREDIT IN A CHAPTER THROUGH PATH 1, THEN YOU DO NOT ATTEMPT THE SAME CHAPTER IN PATH 2 OR PATH 3.

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 ACTIVITIES) 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 (AUGUST 20). IT IS NOT ONLY SETUP AS A SEPARATE CONTENT PATH, BUT ALSO FOR ACTIVITY MAKEUPS FOR PATH 1 (STUDENTS MAY NOT EARN CREDIT FOR COMPLETING THE EXTRA CREDIT CHAPTER UNTIL THEY HAVE COMPLETED THE REQUIRED 15 CHAPTERS)

PATHWAY #3 MAY BE COMPLETED DURING SUMMER 2018 VIA SP0ECIAL REQUEST
PATHWAY #3 17 CHAPTER ACTIVITIES TOTALING 1530 POINTS (ALL 17 CHAPTER NATIVITIES) OF WHICH ONLY 1200 COUNT AND FACTORED TO 900 BY DIVIDING THE TOTAL POINTS EARNED BY 1.50. ANY POINTS ABOVE 1200 WILL BE EXTRA CREDIT (DIVIDED BY1.5) AND ENTERED MANUALLY INTO BLACKBOARD'S GRADE BOOK THE LAST WEEK OF THE TERM. (TESTING IS NOT PROCTORED). BUT EACH QUESTION IS WORTH 2-3 POINTS IF DONE ON TIME.

PROJECT/PAPER/ACTIVITIES: ALL THREE PATHWAY STUDENTS WILL COMPLETE ANY OF THE 25 PROJECT/PAPER/ACTIVITIES TO EARN UP TO 300 POINTS*. ***(IF MORE THAN 75 POINTS ARE EARNED THROUGH PROJECTS, THEN LESS POINTS ARE REQUIRED FOR THE COURSE CONTENT REQUIREMENTS)***

***IF UP TO 120 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 POINTS 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 (~50-60 POINTS) WILL NOT BE PROCTORED ONLINE SUMMER 2018 TERM (JULY 9-16)

REQUIRED END-TERM EXAM (~50-60 POINTS) WILL NOT BE PROCTORED ONLINE SUMMER 2018 TERM (AUGUST 6-22)

SUMMARY OF PROJECTS/PAPERS/ACTIVITIES:

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) 20-40 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)(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 OR PAPER & PENCIL LAB (CHAPTER 6) (5-20 POINTS) REQUIRED
9. WATER QUALITY (CHAPTERS 7-8-16) (5 POINTS)
10-11-12-13. HYBRID AND ELECTRIC CARS (CHAPTER 11) (FOUR ACTIVITIES) (5-10 POINTS EACH)
14. WORLD WITHOUT OIL (CHAPTER 12 & 17))(5 POINTS)
15. PHOTO-VOLTAIC 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) 5-10 POINTS (REQUIRED OR PROJECT #1)
25. ISOMER # PROBLEM (CHAPTER 12) 10-20 POINTS-REQUIRED
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 ANONYMOU1. 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 (JUNE 28). YOUR INSTRUCTOR MAY NOT SEE YOUR SURVEY UNTIL AFTER THE FINAL GRADES HAVE BEEN SUBMITTED TO THE COLLEGE (JUNE 30).

TITLE	POINTS
ONLINE PATH 1 OR 2 ASSIGNMENTS/QUIZZES	900
IN-CLASS WEEKLY CHAPTER EXAMS	300
MIDTERM/ENDTERM EXAMS	100
REQUIRED PROJECTS	65
CLASS ACTIVITIES, LABS & HOMEWORK	125
1ST WEEK EXPLORATIONS	28
ATTENDANCE 10 @ 4 POINTS	40
THREADED DISCUSSION #1 (WHO AM I ?)	7
HYBRID CONTRACT	5
TOTAL	1570

FN GRADE - FAILURE FOR NON-ATTENDANCE

Your final grade is based on total points (1500 maximum):
~900 Points for Chemistry Course Content (Path 1 or Path 2) and
~100 Points Midterm (Chap 1-6) and Endterm (Chap 7-14, 16) Exams and
~ 190 (up to ~300) Points for Required (65) and Optional Project/Required class Activities/Paper Essays/Homework (~125) (Extra Credit). and
007 Points for Optional Threaded Discussions and
028 points 1st Week Explorations and
040 points Attendance and
005 points Hybrid Contract
Complete either Pathway #1 or Pathway #2, for online 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.:*

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 28 POINTS) see below

Summary of Projects/Papers/Activities:

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

1. **Scientific Method (Chapter 1) (10-20 points) (Requir&d or Project #24)**
2. **Measurement via Gasoline Project (Chapters 1&16&17) (Begins Week 1 and ends last week of term) 20-40 points) (Required)**
   (3 points per week data collected; Presentation 9 points; Calculations/Projects/Summary 10 poinrts)
3. Critical Thinking-Create Personal Thermometer (Chapter 2) (10 points)
4. About Elements & Atoms (Chapter 3) (10 points) (Element Flash Card 5 points-Hard copy or online) **(Required)**
5. About Compounds (Chapter 3)(5-30 points) (Online Names & Formulas) **(Required)**
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 or inclass paper and pencil (Chapter 6) (20 points)**(Required)**
9. Water Quality (Chapters 7-8-16) (5-10 points)
10-11-12-13. Hybrid and Electric Cars (Chapter 11) (Four activities) (5-10 points each)
14. World Without Oil (Chapter 12 & 17))(5 points)
15. Photo-voltaic 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) 5-20 points **(Required or Project #1)**
25. Isomer # Problem (Chapter 12) 10-20 points **(Required)**
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.

Path 1 Mastering Assignments ~900 points; Path 2 Blackboard Quizzes ~900 points

Each in-class exam is worth between 15-30 points per chapter per week for up to 300 points

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) to view FSCJ's academic dishonesty definitions and procedures.

LATE / MAKE UP WORK

In-Class Exams are completed the last 20-30 minutes each class. No makeup is allowed. Each in-class exam missed will require the student to complete the projects from the 25 options listed. The student has two weeks from the schedule exam to submit the makeup or the zero entered for the exam will remain.

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. (No credit for doing both chapter content in Path 1 & Path 2)

Pathway #2 Activities and Testing remain Open until 11:59 pm August 22nd therefore there is no late work (The 12 week term ends August 22nd and the deadline of the 22nd may be moved back to the 23rd if grades are due on the 24th. The August 22nd day assumes August 23rdth will be the B-12 grade deadline.August 20th and 21st 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. Attendance is not required on the 20th as the Endterm exam is online

Pathway #3 is an option but will not be discussed in detail for this term as it requires and addition charge of $30 beyond the book purchase

Required Projects have a 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. Many projects that are not classroom activities are optional except Project #2 Gasoline, Project #1 or #24 Scientific Method; which are due until the last day of the term

Optional Chapter projects are due on August 22nd.

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