

Physical Science

PSC1341, 20153 , Summer 2015

Ref # 420678 Online

Instructor: **Stephen Milczanowski**

Office hours: By appointment

Office: **C-135, South Campus.**

Phone: **646-2074**

email: **milczanowski@fscj.edu**

web site: **<http://web.fscj.edu/Milczanowski>**

Course Description:

Students will benefit by taking high school algebra or elementary Algebra prior to enrolling in this course. This course acquaints individuals with the development of the physical sciences, with the integrating principles and theories in the physical sciences, with the practice of the scientific method and with a useful knowledge of selected areas in mechanics, electricity and magnetism, periodicity and atomic structure, and nuclear phenomena. Presentation involves on-line lectures and some on-line demonstrations-simulations. While the course will include many aspects of physics and chemistry, the course is not essentially an introductory or preparatory course for any specific physical sciences. Three contact hours.

Required:

- no book
- Access to a computer with a soundcard, printer and internet. Must be able to install adobe acrobat reader. Must have flash player (most computers already have it installed. I pads do not.).
- Scientific calculator that has log, and EE or EXP function keys.

Other Resources:

The College Online information page contains computer requirements and general information.

- The FSCJ distance learning website is <http://www.fscj.edu/academics/online-learning/>.
- There is a proctored final. If you live in Nassau, Duval, Clay, St. Johns, Baker, Columbia, or Alachua counties you MUST schedule your exam online. <http://www.fscj.edu/onlinetesting>. You must schedule 48 hours in advance but should schedule your final as soon as you can.
- Students who reside outside the counties listed MUST submit the remote proctored testing form before the end of the second week of class. <http://www.fscj.edu/academics/online-learning/online-course-testing> .

DISABILITIES: Appropriate accommodations (such as note takers, extra time on tests, quiet testing, etc.) will be available to assist students with disabilities, provided written instructions are sent to the instructor by the Disabled Student Services Counselor. (R. Nicole Dyer: 646-2191)

Expectations/Attendance:

Lectures:

Each week you will print off a set of notes and go through the lectures available online. These lectures will include narration of PowerPoint slides and sample problems.

Quizzes: Quizzes will be given on line and will worth about 60-70 points. They will include multiple choice questions, matching and fill in the number questions. There will be similar worked problems in the lecture. They are not timed so you should be able to look at them and then go back. You can only hit submit once however. These quizzes are actually labeled as tests in blackboard and are labeled one through twelve. There is also a makeup test if needed.

Final test: There will be a final, which will mostly consist of problems. I will tell you what kind of problems will be on the final. I will, in fact, give you a pretest that looks VERY similar to the final. The final will be given (technology permitting) in a proctored online environment. Part of our work this semester will be to prepare for showing work with this tool. Technology not permitting, the exam will be a paper and pencil exam in a proctored environment.

Homework: There will be problems at the end of each chapter with answers. Homework will not be collected.

Academic dishonesty may result in a course grade of F. Cell phones and beepers must be turned off during testing.

For rules regarding academic dishonesty look at the following web page. http://www.fscj.org/catalog/2000_2001/Rules/duproc.html

Course Learning Outcomes

- Explain and apply major concepts in the physical sciences including mechanics, electricity and magnetism, periodicity and atomic structure and nuclear phenomena.
- Demonstrate knowledge of scientific method.
- Communicate scientific ideas through oral or written assignments.
- Interpret scientific models such as formulas, graphs, tables and schematics, draw inferences from them and recognize their limitations.
- Demonstrate problem-solving methods in situations that are encountered outside of the classroom.

Evaluation:

- There will be twelve on-line quizzes in the regular semester. Quite obviously these will by necessity be open book/open notes. While they are officially due each week, the first 6 will be due at around the midpoint and the second 6 will be due toward the end. The combined quizzes will be worth 800 points. There is one makeup quiz.

- There will be a final that will be proctored. The final will be worth 200 points.
- Course grades will be assigned as follows:

A: 900- 100 pts

B: 800 – 899 pts

C: 700-799 pts

D: 600-699 pts

F: 599 or fewer

Incompletes will be given only if: a) at least 75% of the work is completed at the time of the request and b) the student is passing with at least a “D” at the time of the request, and c) there is a valid reason such as illness, an accident, etc. . . . Doctor’s notes are required for granting incomplete grades. Other grades such as “W” (withdrawal) and “X” (audit) may be assigned according to college policies. An FN grade will be assigned if the student misses more than 3 quizzes or the final.

You must finish the introquiz. It is not worth any real points but it is my only way of taking attendance the first week. **Failure to complete this quiz should result in you being dropped from the class.**

Makeup Policy: Because quizzes will be accepted past their due date and because there is a makeup quiz, there should be no makeup’s for quizzes. A makeup for the final will have to be for a valid reason and must be scheduled through the professor. The professor may require documentation for a makeup.

Students may repeat a course in an attempt to improve a grade previously earned. State Board Rule 6A-14.0301 limits such attempts to courses where a “D”, “F” or “FN” grade was earned, and limits to two the number of times a course grade may be forgiven. The official grade and the grade used for calculating the GPA shall be the last grade earned in the course. In other words, a student may not repeat a course for which they have received a “C” or better.

A student may have only three total attempts in any course, including the original grade, repeat grades and withdrawals. Upon the third attempt in a course, the student must be given an “A”, “B”, “C”, “D”, or “F”. A fourth attempt may be allowed only through a general appeals process based on extenuating circumstances. On the 3rd attempt, out-of-state tuition is charged which is about four times the in-state tuition.

Student work in this class may be collected by the College for the purpose of assessing institutional effectiveness and measuring general education competencies. The artifacts collected and submitted for this purpose will be done so anonymously.

Student Assistance Program: Any FSCJ student who is experiencing personal problems that might affect him/her in or out of school can now receive free counseling through Corporate Care Works, Inc. Issues may include stress, conflict, family worries, financial/legal issues, and balancing work and home. This Student Assistance Program (SAP) is delivered within Federal Confidentiality Guidelines and helps students solve challenges in a confidential manner. If you are interested in this service, please call (904) 384-1800. For further information, please visit: <http://www.fscj.edu/mydegree/counseling-advising/student-assistance.php>

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PSC1341 SUMMER (20153)

SUN	MON	TUES	WED	THURS	FRI	SAT
	MAY 4	MAY 5	MAY 6 Classes Begin	MAY 7	MAY 8	MAY 9
MAY 10	MAY 11	MAY 12	MAY 13 Drop Deadline Introquiz due	MAY 14	MAY 15	MAY 16
MAY 17	MAY 18	MAY 19	MAY 20 Quiz 1 due	MAY 21	MAY 22	MAY 23
MAY 24	MAY 25 Memorial Day College Closed	MAY 26	MAY 27 Quiz 2 due	MAY 28	MAY 29	MAY 30
MAY 31	JUNE 1	JUNE 2	JUNE 3 Quiz 3 due	JUNE 4	JUNE 5	JUNE 6
JUNE 7	JUNE 8	JUNE 9	JUNE 10 Quiz 4 due	JUNE 11	JUNE 12	JUNE 13
JUNE 14	JUNE 15	JUNE 16	JUNE 17 Quiz 5 due	JUNE 18	JUNE 19	JUNE 20
JUNE 21	JUNE 22	JUNE 23	JUNE 24 Quiz 6 due	JUNE 25	JUNE 26	JUNE 27
JUNE 28	JUNE 29	JUNE 30 Last day to turn in Quizzes 1-6	JULY 1 Quiz 7 due	JULY 2	JULY 3 Independence Day – College Closed	JULY 4 College Closed
JULY 5	JULY 6	JULY 7	JULY 8 Quiz 8 due	JULY 9	JULY 10	JULY 11
JULY 12	JULY 13	JULY 14 Last day to withdraw with a grade of "W"	JULY 15 Quiz 9 due	JULY 16	JULY 17	JULY 18
JULY 19	JULY 20	JULY 21	JULY 22 Quiz 10 due	JULY 23	JULY 24	JULY 25
JULY 26	JULY 27	JULY 28	JULY 29 Quiz 11 due	JULY 30	JULY 31	AUG 1
AUG 2	AUG 3	AUG 4	AUG 5 Quiz 12 due	AUG 6	AUG 7	AUG 8
AUG 9	AUG 10	AUG 11 Last day to turn in Quizzes 7-12	AUG 12 Take Final	AUG 13 in one of	AUG 14 approved	AUG 15 locations
AUG 16	AUG 17	AUG 18	AUG 19 Makeup Quiz due	AUG 20	AUG 21 Term Ends	AUG 22