

Syllabus for Physical Science  
PSC 1341 ONLINE  
Fall 2014 (20151) Ref # 408144

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### **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/academics/online-learning/online-course-testing>. You 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/remote-site-testing>.

### **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. Technology not permitting, the exam will be a paper and pencil exam in a proctored environment.

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

**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.

**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 5 will be due toward the end. (See schedule.) 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- 1000 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.**

*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.fccj.org/catalog/2000\\_2001/Rules/dueproc.html](http://www.fccj.org/catalog/2000_2001/Rules/dueproc.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.

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 at-

tempt 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.

Please note that you will need to turn off your pop-up blocker to use all features of this online course. If you are having trouble please look at the “tips and tricks” in the upper right in your blackboard home page. The list of approved browsers can be found under “students\_click\_here” under the “having trouble?” heading again on the blackboard home page.

**Institutional Effectiveness Student Privacy Policy.** 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>

**OSSD.** 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 college life. The OSSD contact information is located at <http://www.fscj.edu/mydegree/disabilityservices/locations.php> .

#### **Student Technical Assistance**

Email: [fscjhelpdesk@perceptis.com](mailto:fscjhelpdesk@perceptis.com)

Phone: (904) 632-3151

Self help: <http://smartipantz.perceptis.com/fscj/content/default.aspx>