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| Course Title/Number | **General Physical Science - 4797 - PS 110 - 203** |
| Semester/Year | Spring 2014 |
| Days/Time | Tues and Thur 7:00pm to 8:15 pm |
| Location | Science Building 277 |
| Instructor | Mr. David L. Adkins |
| Office |  |
| Phone | 304-824-6000 ext 2137 |
| E-Mail | [dvadkins@access.k12.wv.us](mailto:dvadkins@access.k12.wv.us) or [adkins20@marshall.edu](mailto:adkins20@marshall.edu) |
| Office/Hours | 4:30 to 5:00 S176 or after lecture upon request |
| University Policies | By enrolling in this course, you agree to the University Policies listed below. Please read the full text of each policy be going to [www.marshall.edu/academic-affairs](http://www.marshall.edu/academic-affairs) and clicking on “Marshall University Policies.” Or, you can access the policies directly by going to <http://www.marshall.edu/academic-affairs/?page_id=802>  Academic Dishonesty/ Excused Absence Policy for Undergraduates/ Computing Services Acceptable Use/ Inclement Weather/ Dead Week/ Students with Disabilities/ Academic Forgiveness/ Academic Probation and Suspension/ Academic Rights and Responsibilities of Students/ Affirmative Action/ Sexual Harassment |

**Course Description: From Catalog**

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| 110 General Physical Science. 3 hrs. I, S.  Course covers the basic principles of chemistry, applications of chemistry, and an introduction to earth science. Atomic theory, chemical reactions  and structure, everyday chemicals, and basic concepts of geology are studied. (PR: MTH 121, or MTH 121H, or MTH 123, or MTH 127, or MTH  130, or MTH 130H, or MTH 130E, or MTH 140, or MTH 203, or MTH 220, or MTH 225, or MTH 229, or MTH 229H; CR: PS 110L) |

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| **Course Student Learning Outcomes** | **Possible types of assignments used for each outcome.** | **Types of assessment used.** |
| Students will understand and comprehend relationships involving atoms and placement on periodic table. | **Mastering Physics Online Homework.** | Homework |
| Students will understand atomic nucleus and radioactivity. This will include but not be limited to nuclear decay equations, half-life calculations, and nuclear energy. | **Weekly posting to the discussion section on Engrade for the current chapter.** | Quizzes |
| Students will understand physical and chemical properties and the nomenclature of compounds. | **Report discussing the relationships of the content to current major.** | **Tests** |
| Students will understand chemical bonds. |  | **Final Exam** |
| Students will understand properties of mixtures/solutions and solubility. |  |  |
| Students will understand different types of chemical reactions and how chemical equations can be used to show this relationship. |  |  |
| Students will understand the basic components of organic compounds and how to identify them and their properties. |  |  |
| Students will understand how plate tectonics and the Earth’s interior shape its surface. |  |  |
| Students will understand the weathering process and other factors that shape the Earth’s surface. |  |  |
| Students will understand and explore the oceans and atmosphere and their properties and contribution to the climate. |  |  |
| Students will understand the driving forces of weather. |  |  |

**Required Texts, Additional Reading, and Other Materials**

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| 1. Conceptual Physical Science 5th Ed. Hewitt, Suchocki,Hewitt with Mastering Physics |

**Course Requirements / Due Dates**

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| 1. Unit 1 Minimum 6 homework, 2 quizzes and 1 test week 1-5 2. Unit 2 Minimum 6 homework, 2 quizzes and 1 test week 6-10 3. Unit 3 Minimum 6 homework, 2 quizzes and 1 test week 11-15 |

**Grading Policy**

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| Grade Scale 90-A, 80-B, 70-C, 60-D  Homework 15%   1. Mastering Physics Online 2. Posting to Comment Section Engrade 3. Reports 4. Any other assignment   Quizzes(6) 35%  Tests (3) 40%  Final Exam: 10%  There will be six quizzes one quiz grade will be excused.  The quizzes will be both announced and unannounced.  Three tests the third one coming during dead week. |

**Attendance Policy**

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| Attendance is mandatory. Role will be taken daily.  For an absence to be considered for excused information concerning it must be provided to instructor prior to next class meeting via voice mail or email.  Quizzes can only be made up if absence procedure is followed and it is completed in the lab period at 5:00 pm before the next lecture.  Homework will not be accepted late because it will be discussed the day it is due.  If you are going to be absent the day homework is due please try to scan it and email it to me, this is acceptable. |

**Course Schedule**

Part 1 Chapters 12,13,14,15

homework assignments

Two quizzes

One test

Part 2 Chapters16,17,18,19

homework assignments

Two quizzes

One test

Part 3 Chapters 20,21,22,24

homework assignments

Two quizzes

One test

The schedule will be adjusted as the semester progresses