

SYLLABUS PHYSICS 104

TABLE OF CONTENTS

Course Title: Physics 104.....	2
Credit Hours 5	2
Course Description.....	2
Prerequisite	2
Textbook Information.....	2
Course Objectives	3
Communication and Turnaround Time	3
Grades and Feedback Turnaround time.....	4
Grades	4
Assignment Types and Grading Policy (Including Proctored Exams or No Proctored Exams).....	5
Proctored Exams.....	7
Course Policies	7
Netiquette	8
Satisfactory Academic Progress	8
ADA.....	8
Academic Integrity.....	9
Grievance.....	10
Course Policies	10
Netiquette	11
Satisfactory Academic Progress	12
ADA.....	12
Academic Integrity.....	12
Grievance.....	13

Course Title: Physics 104

Credit Hours 5

Course Description

Fundamental principles and concepts of classical and modern physics, astronomy, chemistry and earth science, and their relationships. Includes laboratory component.

Prerequisite

Math 40 or MATH 40L with a grade of C or better or satisfactory score on the math placement test.

Textbook Information

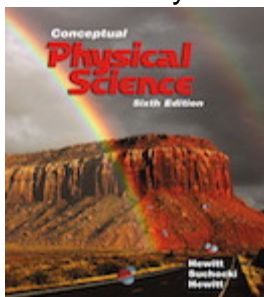
1. Required Textbook:

Conceptual Physical Science, Sixth Edition, by Hewitt, Suchocki, and Hewitt.
Published by Pearson Addison Wesley.

2. Other Required Materials:

Purchasing the package at the MCC bookstore will include the text, lab book, and access code for the MasteringPhysics website. If you purchased your book package from the MCC bookstore there is a cardboard access code inside. You need to unzip the cardboard to find the code inside.

Purchasing a used book or renting a book from another location: Along with the textbook you will need an access code to the Mastering Physics website. We will be using this website to do homework and practice to prepare for quizzes and tests. You may purchase the use of this site online. However, this will not get you access to the lab book so you'll still need to get that. The image of the textbook may be helpful so this is a picture of the cover of your text:



REQUIRED LAB BOOK: Conceptual Physical Science Laboratory Manual, 5th or 6th ed., Pearson Addison Wesley is also required. This is part of the package when purchased from the MCC bookstore.

REQUIRED LAB BOX: Available to rent from the bookstore. You must sign a rental agreement for the lab box and scales, so you need to coordinate with them faxing the agreement, doing an electronic signature, or going in and signing this in person. This lab box contains most of the equipment you will need to complete the required labs for the course. Supplies for online courses are housed at the Business and Technology bookstore.

These lab boxes must be returned to the bookstore before the end of the semester. If not returned before the end of the semester you will be charged the full cost of the materials in the box.

Course Objectives

Upon Completion of this course, you will be able to:

1. Demonstrate understanding of scientific method, differentiating between scientific fact and theory.
2. Identify and describe the major fields of physical science and the relationships among them
3. Estimate orders of magnitude of quantities using the metric system and apply systems of units, including the metric
1. system, correctly in solving problems.
4. Use supporting factual evidence to discuss our physical world and its origins.
5. Draw appropriate conclusions based on numerical and graphical data.
6. Relate course topics to personal experience and societal and environmental issues.

Communication and Turnaround Time

1. Communication Types:

- Announcements will be posted by the instructor in the Announcement Page.
- Course Messages:
 - If you have specific, personal questions for the instructor, please send a message through Blackboard using the Course Messages link on the left.
- Discussion Boards: Questions and answers will be posted in the discussion board forums that you will want to read. Weekly discussion questions are

posted for class interaction.

2. Communication Turnaround Time:

You can expect all correspondence via discussion board or messaging to be responded to within 24 hours Monday through Friday. The instructor will notify the class if there will be longer periods of time where responses may be delayed.

Grades and Feedback Turnaround time

It is imperative in an online class that you are aware of your grade status in the class at all times.

Please refer to the link below to see how to check your grades and feedback:

- [How to check my grades written tutorial](#)
[How to check my grades video tutorial](#)
- [How to check assignment grades written tutorial](#)
[How to check assignment grades video tutorial](#)

Here are the expected turnaround times for each assignment type.

1. Discussion forums will be graded within 3 days after the due date.
2. Multiple-choice, True/False, Match and other non-essay type questions in Quizzes and Exams are auto-graded immediately after you take them.
3. Papers, journals, essays, short-answer questions and other manually graded written assignments will be graded within one week after the due date.

Grades

Points/Percentage Grade:

- Exams - 35%
- Unit quizzes - 15%
- Labs - 20%
- Mastering Physics Assignments - 15%
- Participation (group discussions) - 15%

Letter Grades

- A = 90-100%
- B = 80-89%
- C = 70-79%
- D = 60-69%
- 59% or less will result in failing the class

To calculate your grade, you need to find your average test score and multiply it by 0.35, then find your average Unit quiz score and multiply it by 0.15, then your

average lab score and multiply it by 0.20, then your average assignments score multiplied by 0.15, and then your average participation score and multiply it by 0.15. When you have all those values add them together. That will be your class percentage.

Assignment Types and Grading Policy (Including Proctored Exams or No Proctored Exams)

Exams:

Three major section exams will be given as part of this course. You will be allowed a two-day window in which to take the two hour exams. The exams will consist of multiple choice questions as well as short answer questions and essays. These exams are to be taken in approximately two-hour time limit; points will be taken away for going over the allotted time. These exams are not open book or open notes. You may not switch windows or open a new window while taking the exams. Doing so will automatically end your testing session. Your test will be over and ready to grade at that point. Please recognize the time constraints and study accordingly before you begin the exam.

Class Discussions

Each module will include discussion questions and projects to discuss with your classmates. I also strongly encourage you to contribute other topics for discussion from your own reading or from what you have seen on TV or wherever, if they pertain to the content in this module. If you do use other resources, please give enough information so that someone interested in finding the information could do so.

I will assign 15 points per module based on your participation.

- You must post at least 3 substantive messages per module to get these 15 points.
- At least two of these must be in response to others' postings.
- The discussion must be related to content and meets the criteria below.
- Each student will be evaluated on their input in class discussion.
- Participation will be evaluated not so much on how often one participates, but by the quality of the participation. Quality input is something more than "I agree" or "That sounds good to me." What I am looking for is quality interaction such as bringing a NEW idea or concept to the discussion, making an insightful statement that may disagree with the consensus or the presentation of new resources such as a web site related to the discussion.
- You will need to make at least three quality submissions on different days to gain full credit on the assignment.

- The discussions are designed to be interactive. It doesn't do the class any good if you wait until the last minute to make discussion posts.
- When you are posting something on the Discussion Board, remember you are being evaluated in a college class. Although you can be casual, please do not write as if you are texting your friend. I expect everyone to use basic grammar when we communicate.

Quizzes:

Each unit will have quiz that will consist of both objective and short answer questions. The quiz will be available according to the course schedule. These unit quizzes are open book, open notes. For most quizzes a 90-minute window will be available. You may take the quiz a second time if you want to try to improve your score. If you choose to take it the second time, your grade will be the AVERAGE of the two scores. So if you are happy with your score don't take the quiz a second time. Quiz answers will be available after the quiz closes.

Labs:

Each student will be expected to perform lab exercises as part of this course. The lab assignments can be found in the Unit with which the lab is associated. There will be a document giving additional lab information with each Unit. Make sure you read the document so you know what I am expecting of you for each lab. The labs themselves can be found in your lab book, with a couple of exceptions later in the semester. These grades will be based upon the lab quizzes or the lab data sheets submitted by the deadlines on the course calendar. For credit, if the lab quiz is available you do that (only one or the other, a quiz or report, but never both will be necessary). The quiz is easier to turn in and easier to grade. If a lab report is required when turning in a lab, type the information in a word processing document (like Word) and save it. In addition, please include the five summary questions, data that you took, all the questions asked within the procedures of the lab, and the summing it up questions at the end of the lab. To record the data you took while doing your lab please type it as a table in your document and include it with your lab report. Answers to the lab assignments will be posted on the due date for that assignment. Since lab answers are posted immediately after the assignment deadline, no late labs will be accepted.

Mastering Physics Homework:

You will earn points on the work that you do each unit in Mastering Physics.

Proctored Exams

MCC Online students use SmarterProctoring to sign up for a time to take a proctored exam. Students may sign up to take the exam in one of the MCC testing centers or with another approved proctor. If SmarterProctoring does not offer a pre-approved proctor in the student's area, the student may find another proctor with the approval of the instructor. Instructions on how to use SmarterProctoring are provided within the course itself.

Please note that if you are testing at one of the MCC locations you will be required to sign up for an available time slot at that testing center before arriving at the site. Even if you are a "walk-in" you will need to access SmarterProctoring to sign up prior to being allowed to take the test.

Course Policies

1. Expectations

2. This course has been designed to be delivered in as flexible a manner as possible, but this does not mean that you will be able to leave it alone for more than a day. This is a 5-credit hour class that would meet for 6 hours a week and have approximately 8 - 12 hours of outside work and study. You should plan on spending **about 14 – 18 hours a week** on this course with the online time and reading materials.

3. Attendance Policy

Since this course is online, your "attendance" in class is based on meeting assignment deadlines. You must submit work for the class to be considered attending the class. Federal Guidelines require you to login, participate, and submit assignments to be considered attending.

MCC regulations state that an instructor may withdraw a student from class after a consecutive absence equating to 15% of the total class time, or after total absences equating to 33% of the total class time. If you fail to submit any work for one week of an 8-week course or two weeks of a 16-week course, you may be withdrawn. If you fail to turn in 33% of your work in the course, you may be withdrawn from the course. An instructor may choose to enforce a stricter attendance policy.

Simply logging in to Blackboard does not count as attendance.

4. Late Work

Due dates for assignments, exams, discussions and other work are posted on the course schedule or calendar. Late assignments will not be accepted.

5. Drop Policy

It is your responsibility to withdraw from the course if you decide to stop attending. If you choose to drop the course you must complete a drop form and submit it to the campus records office. Check myMCCKC > Student Center for the specific dates, including the last date to drop your course without assessment (or grade posted) for the course

Before withdrawing, please contact an advisor to determine what if any impact this drop will have on your financial aid.

6. Code of Conduct

Students are required to follow the [Metropolitan Community College's Student Code of Conduct](#).

7. Student Support

If you need technical support for Blackboard, MCC student email, tutoring services, Library services, advising or counselling services, please click on the "Student Resources" tab on top of blackboard after you logged in to Blackboard.

8. Other

Netiquette

Netiquette: Information on appropriate online conduct can be found in [The Core Rules of Netiquette](#). You are expected to follow these rules and any other specific rules your instructor may require for interacting in the class.

Satisfactory Academic Progress

In order to continue your eligibility for financial aid, you must make satisfactory academic progress toward your educational plan by maintaining a minimum grade point average and successfully completing a minimum number of courses throughout your enrollment at MCC, and completing your educational plan within a reasonable time. Your progress will be reviewed at the end of each semester. More information is available at [Satisfactory Academic Progress web site](#).

ADA

Metropolitan Community College (MCC) is committed to ensuring equal access to all qualified students with disabilities in accordance with the Americans with Disabilities Act (ADA). If you have a disability which may impact your ability to access or participate in any aspect of your online coursework, please contact the campus Disability Support Services (DSS) Coordinator or your choice. Phone numbers are listed at mccck.edu/disability. The DSS Coordinator will work with you to determine what

disability documentation/information is needed in order to provide accommodations. Accommodations are determined on an individualized basis and may take some time to put in place, so early notification to DSS is helpful. Students can identify themselves to DSS as a student with a disability and request accommodations anytime during their education. Please note that accommodations are not retroactive and may vary based on the nature and requirements of the class. More information is available at mccckc.edu/disability.

- [Blackboard Accessibility Information](#)
- [Smart Proctoring Accessibility Information](#)
- [Pearson REVEL Accessibility Information](#)
- [Cengage SAM 365 & 2016 Accessibility Information](#)
- McGraw-Hill
 - [McGraw-Hill Education Connect Accessibility Information](#)
 - [MCGraw-Hill Education Accessibility Policy](#)
 - [MCGraw-Hill Accessibility Information and hand-waving excuse](#)

Academic Integrity

The Metropolitan Community College, as an academic community, expects all administrators, faculty, staff, and students to behave as responsible members of the college community and to be honest and ethical in their academic work. MCC strives to provide students with the knowledge, skills, judgment, and wisdom they need to function in society as educated adults. To falsify or fabricate the results of one's research; to present the words, ideas, data, or work of another as one's own; or to cheat on an examination corrupts the essential process of higher education and the values of the Academy.

The Metropolitan Community College expects all students to act according to the rules of academic honesty as outlined in the [Student Handbook](#). What this really means is that you are expected to turn in only your own work and that you will complete all quizzes and examinations unassisted. If you should violate this trust, then you will be treated the same as any traditional student that cheats.

Academic Dishonesty includes:

1. Plagiarism - the intentional use of the ideas or words of another as one's own in a paper or other academic assignment.
2. Cheating during examinations, whether by copying from a fellow student or by using information in the form of unauthorized aids brought to the examination.
3. The submission of work for any assignment that has been prepared by another student.
4. Submission of a single paper to fulfill requirements in two courses without prior approval of the instructors in both courses.

5. Using a false name or signing the name of another individual without proper authorization in connection with any course work.

Disciplinary action will be taken for those students suspected of academic dishonesty. At no point in this course is it acceptable for students to submit someone else's work as their own, or use the ideas of someone else as their own. It is also unacceptable for students to share their own work with another student.

Unilateral Instructor Action – If objective evidence exists indicating that a student has practiced academic dishonesty, the instructor may assign a grade of "F" on the paper, examination, or assignment or assign a grade of "F" for the course.

If the instructor feels that a more severe action is appropriate, the complaint may be referred to the division chair and the dean of instruction. The dean has the authority to recommend an action to the president, or the student may request a hearing.

Grievance

Questions or concerns about any aspect of this course should be directed to the instructor so the student and the instructor can work together to resolve any problems that may exist. In the unlikely event that the problem cannot be resolved, then the next step is for the student to make contact the MCC Online Enrollment Manager at 816 604 4487.

Metropolitan Community College is strongly committed to providing workplaces and classrooms that are free of sexual harassment. MCC will not tolerate any behavior, whether verbal or physical, which constitutes sexual harassment. Unwelcome sexual advances, requests for sexual favors and other verbal or physical conduct or communication of a sexual nature are prohibited. To file a complaint, contact the MCC Online Enrollment Manager at 816 604 4487.

Course Policies

Expectations

This course has been designed to be delivered in as flexible a manner as possible, but this does not mean that you will be able to leave it alone for more than a day. This is a 5-credit hour class that would meet for 6 hours a week and have approximately 8 - 12 hours of outside work and study. You should plan on spending **about 14 – 18 hours a week** on this course with the online time and reading materials.

Attendance Policy

Since this course is online, your "attendance" in class is based on meeting assignment deadlines. You must submit work for the class to be considered

attending the class. Federal Guidelines require you to login, participate, and submit assignments to be considered attending.

MCC regulations state that an instructor may withdraw a student from class after a consecutive absence equating to 15% of the total class time, or after total absences equating to 33% of the total class time. If you fail to submit any work for one week of an 8-week course or two weeks of a 16-week course, you may be withdrawn. If you fail to turn in 33% of your work in the course, you may be withdrawn from the course. An instructor may choose to enforce a stricter attendance policy.

Simply logging in to Blackboard does not count as attendance.

Late Work

Due dates for assignments, exams, discussions and other work are posted on the course schedule or calendar. Late assignments will not be accepted.

Drop Policy

It is your responsibility to withdraw from the course if you decide to stop attending. If you choose to drop the course you must complete a drop form and submit it to the campus records office. Check myMCCCKC > Student Center for the specific dates, including the last date to drop your course without assessment (or grade posted) for the course

Before withdrawing, please contact an advisor to determine what if any impact this drop will have on your financial aid.

Code of Conduct

Students are required to follow the [Metropolitan Community College's Student Code of Conduct](#).

Student Support

If you need technical support for Blackboard, MCC student email, tutoring services, Library services, advising or counselling services, please click on the "Student Resources" tab on top of blackboard after you logged in to Blackboard.

Netiquette

Netiquette: Information on appropriate online conduct can be found in [The Core Rules of Netiquette](#). You are expected to follow these rules and any other specific rules your instructor may require for interacting in the class.

Satisfactory Academic Progress

In order to continue your eligibility for financial aid, you must make satisfactory academic progress toward your educational plan by maintaining a minimum grade point average and successfully completing a minimum number of courses throughout your enrollment at MCC, and completing your educational plan within a reasonable time. Your progress will be reviewed at the end of each semester. More information is available at [Satisfactory Academic Progress web site](#).

ADA

Metropolitan Community College (MCC) is committed to ensuring equal access to all qualified students with disabilities in accordance with the Americans with Disabilities Act (ADA). If you have a disability which may impact your ability to access or participate in any aspect of your online coursework, please contact the campus Disability Support Services (DSS) Coordinator or your choice. Phone numbers are listed at mcckc.edu/disability. The DSS Coordinator will work with you to determine what disability documentation/information is needed in order to provide accommodations. Accommodations are determined on an individualized basis and may take some time to put in place, so early notification to DSS is helpful. Students can identify themselves to DSS as a student with a disability and request accommodations anytime during their education. Please note that accommodations are not retroactive and may vary based on the nature and requirements of the class. More information is available at mcckc.edu/disability.

- [Blackboard Accessibility Information](#)
- [Smart Proctoring Accessibility Information](#)
- [Pearson REVEL Accessibility Information](#)
- [Cengage SAM 365 & 2016 Accessibility Information](#)
- McGraw-Hill
 - [McGraw-Hill Education Connect Accessibility Information](#)
 - [MCGraw-Hill Education Accessibility Policy](#)
 - [MCGraw-Hill Accessibility Information and hand-waving excuse](#)

Academic Integrity

The Metropolitan Community College, as an academic community, expects all administrators, faculty, staff, and students to behave as responsible members of the college community and to be honest and ethical in their academic work. MCC strives to provide students with the knowledge, skills, judgment, and wisdom they need to function in society as educated adults. To falsify or fabricate the results of one's research; to present the words, ideas, data, or work of another as one's own; or to cheat on an examination corrupts the essential process of higher education and the values of the Academy.

The Metropolitan Community College expects all students to act according to the rules of academic honesty as outlined in the [Student Handbook](#). What this really means is that you are expected to turn in only your own work and that you will complete all quizzes and examinations unassisted. If you should violate this trust, then you will be treated the same as any traditional student that cheats.

Academic Dishonesty includes:

6. Plagiarism - the intentional use of the ideas or words of another as one's own in a paper or other academic assignment.
7. Cheating during examinations, whether by copying from a fellow student or by using information in the form of unauthorized aids brought to the examination.
8. The submission of work for any assignment that has been prepared by another student.
9. Submission of a single paper to fulfill requirements in two courses without prior approval of the instructors in both courses.
10. Using a false name or signing the name of another individual without proper authorization in connection with any course work.

Disciplinary action will be taken for those students suspected of academic dishonesty. At no point in this course is it acceptable for students to submit someone else's work as their own, or use the ideas of someone else as their own. It is also unacceptable for students to share their own work with another student.

Unilateral Instructor Action – If objective evidence exists indicating that a student has practiced academic dishonesty, the instructor may assign a grade of "F" on the paper, examination, or assignment or assign a grade of "F" for the course.

If the instructor feels that a more severe action is appropriate, the complaint may be referred to the division chair and the dean of instruction. The dean has the authority to recommend an action to the president, or the student may request a hearing.

Grievance

Questions or concerns about any aspect of this course should be directed to the instructor so the student and the instructor can work together to resolve any problems that may exist. In the unlikely event that the problem cannot be resolved, then the next step is for the student to make contact the MCC Online Enrollment Manager at 816 604 4487.

Metropolitan Community College is strongly committed to providing workplaces and classrooms that are free of sexual harassment. MCC will not tolerate any behavior, whether verbal or physical, which constitutes sexual harassment. Unwelcome sexual advances, requests for sexual favors and other verbal or physical conduct or communication of a sexual nature are prohibited. To file a complaint, contact the MCC Online Enrollment Manager at 816 604 4487.