

# SYLLABUS PHYSICS 101

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# SYLLABUS TEMPLATE

Course Title: Physics 101

Credit Hours 4

## Course Description

A survey of physics with emphasis on mechanics, heat, light, sound, electricity, magnetism and atomic physics. Emphasis on the concepts of physics.

## Prerequisite

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

## Textbook Information

The following textbooks are required for this course. Make sure that the practice book includes all the pages.

1. **Conceptual Physics Fundamentals**, First Edition, by Paul G. Hewitt. (ISBN: 0-321-50136-5) Published by Pearson Addison Wesley. Available through the **BTC Bookstore**, also available online from **Bigwords.com** or **Amazon.com**
2. **Fundamentals Practice Book** (ISBN: 0-321-53074-8) are also ***required***.

## Course Objectives

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

1. Explain the scientific method, differentiating between scientific fact and theory.
2. Analyze physical systems by applying appropriate physical principles, such as Newton's Laws and conservation principles.
3. Estimate orders of magnitude of quantities using the metric system, and apply systems of units, including the metric system, correctly in solving problems.
4. Use supporting factual evidence to discuss our physical world.
5. Evaluate scientific evidence and argument.
6. Draw appropriate conclusions based on numerical and graphical data.

7. 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:

<b>Quizzes</b>	<b>25%</b>
<b>Midterm Exam</b>	<b>25%</b>
<b>Final Exam</b>	<b>25%</b>
<b>Discussion</b>	<b>25%</b>

### Letter Grades

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

## Assignment Types and Grading Policy

List each assignment type with expectations, assignment policies, points and/or percentage associated with each

### 1. Exams:

**The midterm and final exams will be given as part of this course. The test is administered at an MCC testing center or other approved college testing center within a three-day period. The testing periods are listed in the Calendar now so that you can make arrangements for these two proctored tests.**

There is a link to Testing Center information in the Course Menu to the left that will provide the testing center contact information and hours. Some testing centers have walk-in hours and some do not so make sure you are aware of the requirements of the facility you want to use.

The Midterm and Final are 2-hour exams with 100 questions each. You will be able to print off an official formula sheet to use for the exams. Any formulas that do not appear on the sheet need to be memorized if you want to use them. A practice exam of the same format will be provided for you to get an idea of areas that you may need to study prior to going in to take the exams.

### 2. 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, as long as 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.that topic to discuss.
- 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.
- If you wait until the last day to make your first posting for a given question, then you will receive less than 50% credit for that discussion 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. I DO NOT want you to write in this class as if you are texting your friend. I expect everyone to use basic grammar when we communicate.

Discussion posts are awarded points per the following rubric.

Points	Criteria for Topical Discussions
5	Timely discussion contributions. Comments are meaningful. In-depth thought and contributions which add to the overall learning of the other individuals in the course. Demonstrates courtesy and respect to others.
3	Timely discussion contributions. Postings do not always reflect questions posed, topics described, or requests for clarification/correction. Demonstrates courtesy and respect to others.
1	Overall contributions not meaningful – type of comments for example ' <i>good idea</i> ' or ' <i>I agree</i> '. Very little evidence of having read course materials or giving any in-depth thought to the reading.

### 3. Quizzes:

Each unit will have an online quiz that will consist of both objectives and short answer questions. The online 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.

## Course Policies

### 1. Non-graded But Required Assignments

This course covers a great deal of subject matter. To make things a little more manageable, the course content had been broken up into units. Each unit will consist of a series of reading assignments and discussion questions. You will complete a unit by doing the assigned reading and homework (not to be turned in), watching the video lectures (optional but recommended), joining in group discussions assigned by the instructor, and by completing the on-line quiz. There will be a midterm and a final in the course.

A class calendar will be posted with due dates. The calendar will be updated occasionally if needed throughout the semester, and reflects the correct deadlines for the assigned work. You will receive a message or announcement when a new version of the calendar is available. It is your responsibility to download the new version.

### 2. Expectations

It is expected that you will access this blackboard site at least three times per week. Daily access is encouraged.

This course has been designed to be delivered in as flexible a manner as possible, but to be successful you should plan to log in and participate multiple times a week. This is a four-credit hour class so you should plan on spending about 10-12 hours a week on this course with the online requirements (discussions, videos), reading materials, and study time.

### 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.

## 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](http://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](http://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:



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.