Physics 1050: General Physics I: Mechanics
Fall 2025

Class Times: Monday, Wednesday and Friday 10:00-10:50am
Classroom: SN2109

Pre-requisites: Science 1807 and Science 1808 (completed by Sept. 17th)
Pre/Co-requisite: Math 1000
Course Description: http://www.mun.ca/physics/undergraduates/syllabus/p1050.php

Instructor: Dr. Iakov (Yakov) Afanassiev **Office:** C4065
Office Hours: Posted in D2L/Brightspace - Most student issues can be resolved via e-mail.

Email: Use D2L/Brightspace email: DO NOT use the messenger in D2L.

Textbook: University Physics by Young and Freedman, 15th ed. **with Mastering Physics Access code**. You must get the Pearson e-Text with Mastering Physics access from the Memorial University book store. Please do not buy the textbook from other online sources second-hand sellers, or other book stores.

Course Web page: Grades and supplemental material will be on the D2L page at: online.mun.ca.
Login using your MUN ID and password and click the link to Physics 1050 Fall 2025

Physics Help Centre: Located in room C3071. (HC schedule will be posted on the HC door.)

Mastering Physics (MP) Online Assignments- The assignments in this course will be done using the Mastering Physics online assignment system. To gain access to the assignments you MUST purchase the textbook with Mastering Physics access code. To access the assignments you must login through D2L **PHYS-1050** and click on the Pearson widget. There will be approximately one assignment per chapter.

Grading Scheme

Assignments (Mastering Physics)	10%
Lab Reports	15%
Problem Sessions	5%
Term Test 1 (Oct. 17)	15%
Term Test 2 (Nov. 10)	15%
Final Exam	40%
Total	**100%**

Important Regulations

1. The term tests are each 15%. If you miss a test due to illness inform your instructor by email within 24 hours of the test date. The grade value of the test will then be added to your final exam.
2. The final exam will be set by the registrar's office.
3. Labs: You will complete a report on each lab (details to be provided by Laboratory Instructors). A mark of **50%** is required on the lab component to pass the course and students should have completed at minimum half the lab reports. In cases where a lab has been missed due to illness, you must inform the lab instructor within 48 hours. There are NO makeup labs, instead the lab grade will be reweighted accordingly or alternate work assigned.
4. Students repeating the course must repeat the lab portion.
5. There is no Supplemental exam in this course.
6. **Medical Notes** - Students who request to have examinations deferred or to obtain other waivers of University, departmental or course regulations based on medical grounds are required by the University to produce a note from a physician in support of their request. Such notes must be **sufficiently specific** to allow a proper consideration of the student's case. Medical notes MUST be submitted within one week of the absence and may be scanned and sent by email.

Chapter	Title	Est. No. of Lectures
0	Introduction	1.0
1	Units, Dimensions and Vectors	1.5
2	Motion Along a Straight Line 1D Kinematics	3.0
3	Motion in 2 and 3 dimensions	3.0
4	Newton's Laws	3.0
5	Applying Newton's Laws	3.0
6	Work and Kinetic Energy	4.0
7	Potential Energy and Conservation of Energy	2.0
8	Linear Momentum and Collisions	2.0
9	Rotational Kinematics and Energy	3.0
10	Rotational Dynamics and Static Equilibrium	2.0
13	Gravity	3.0
14	Periodic Motion	3.0
		Total: 33.5

Labs: Labs are in C2038 or C2039 – check which day for your section.

Laboratory Schedule:
Section 003: Monday 15:00-16:50 C-2038
Section 004: Tuesday 9:00-10:50 C-2038
Section 005: Wednesday 15:00-16:50 C-2038
Section 006: Thursday 9:00-10:50 C-2038
Section 007: Thursday 15:00-16:50 C-2038

- Lab information will be available through Brightspace: Physics 1050 Labs
- Questions about labs should be directed to the lab instructor Liqiu Men (lmen@mun.ca).
- You must notify the lab instructor Liqiu Men (lmen@mun.ca) in writing within 48 hours for any absences.
- You must pass the labs to pass the course.
- There are no lab waivers for students repeating the course.

Problem Sets:
- Problem sets will be held during your lab period in your lab room C 2038/ C 2039.
- Goal is to work on problems with help from instructor, lab staff, and TAs.

Use of Recording Devices in Classrooms

All classes for this course, unless otherwise notified, will be recorded using the MUN lecture capture service. Comments and questions by those present in the class may be captured in the audio of the recording. Additionally, student presentations/participation may be captured on video.

The lectures and displays (and all material) delivered or provided in this course, including any visual or audio recording thereof, are subject to copyright owned by Dr. Afanassiev. It is prohibited to record or copy by any means, in any format, openly or surreptitiously, in whole or in part - in the absence of express written permission from Dr. Afanassiev - any of the lectures or materials provided during or from the course.

Communication and Course Continuity

In the case of a class disruption or cancellation, and in the case of revisions to evaluation methods, the instructor or the Head of the department will notify all students registered in the course via the course shell in Brightspace. Any necessary revisions to the evaluation methods will be made in consultation with the students registered in this course. If a student demonstrates that they would be disadvantaged by the change, then, as per 6.7.4 of the University Calendar, accommodations will be made.

Important general information from the University

It is the student's responsibility to acquaint themselves with these items. Please read.

Missed Work: Students who cannot complete assignments or midterm tests need to speak to the instructor and consult the University Calendar, University Regulations.

Section 6.7.5: Exemptions from Parts of the Evaluation: Exemptions

Student Code of Conduct: Code of Conduct

6.8.2 Exemptions From Final Examinations
http://www.mun.ca/regoff/calendar/sectionNo=REGS-0628

6.12 Academic Misconduct
http://www.mun.ca/regoff/calendar/sectionNo=REGS-0748

Accommodations for Students with Disabilities
Memorial University of Newfoundland is committed to supporting inclusive education based on the principles of equity, accessibility and collaboration. Accommodations are provided within the scope of the University Policies for the Accommodations for Students with Disabilities (here). Students who may need an academic accommodation are asked to initiate the request with the Glenn Roy Blundon Centre at the earliest opportunity. (http://www.mun.ca/blundon/accommodations/)

Wellness and Student Support: Your mental well-being is important. Don't hesitate to make use of available support:
Student Support: http://www.mun.ca/currentstudents/student/
Wellness and Counselling: http://www.mun.ca/currentstudents/wellness/
Academic Support: http://www.mun.ca/currentstudents/academic/

Generative Artificial Intelligence: In this course, students can make use **only of the AI capabilities within Mastering Physics** to help develop problem-solving ability. Otherwise, use of AI services like ChatGPT is strongly discouraged