

Matter and Motion, 2017-18

Program Syllabus – Fall Quarter

sites.evergreen.edu/mnm1718

Basic Program Information

Matter and Motion is a full-time three-quarter interdisciplinary program that integrates the study of mathematics, chemistry, and physics in a collaborative and inclusive environment. Each student will bring their unique background and goals to our studies, and it is our collective goal to build on those strengths at the same time as we stretch our learning in new directions. All learners will be challenged to develop skills and knowledge that can be applied to complex problems that use the rich interconnectedness of mathematical and physical systems to make sense of the natural world and our modern technological society. Upon completion, students will have gained a working knowledge of scientific and mathematical concepts and laboratory techniques, an ability to reason critically about applied and fundamental problems in math, chemistry, and physics, and practice in creating and working in an intentionally inclusive and anti-bias learning environment. These goals and the activities we undertake to reach them support students' work towards meeting the expectations of an Evergreen graduate.

Students who successfully complete the fall quarter of this program should achieve process skills and content mastery equivalent to:

- the first quarter of a year-long calculus sequence (suggested course equivalency: 4 credits in Calculus I);
- the first quarter of a year-long general chemistry sequence using an atoms-first approach (6 credits in General Chemistry I with Lab);
- the first quarter of a year-long calculus-based physics sequence (classical mechanics) (6 credits in Calculus-based Physics I with Lab).

Students who are well-prepared in precalculus and in college-level study skills and engagement should expect the total time devote to program work to be at least 40-50 hours/week (including class time).

Special Needs: Students who require accommodations for academic work should contact [Access Services](#) (<http://evergreen.edu/access/> ph. 360-867-6348/TTY: 360-867-6834). Information about such accommodations is confidential and protected by legal and ethical considerations.

Program Faculty

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Program Support

Science Instructional Technicians:

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Program Tutors:

Pyxie Star, others TBA

Required Texts & Materials

You must have access to your own copy of the program texts, as full participation in class activities requires your own copy to work from (electronic versions are acceptable as long as you have the capacity to annotate and keep up with the class discussion).

Textbooks

- **General Chemistry: Atoms First Plus MasteringChemistry with eText — Access Card Package, 2nd Edition** (authors: John E. McMurray, Robert C. Fay, publisher: Pearson), ISBN: 9780321804839
- **Calculus: Concepts and Contexts, 4th edition, plus WebAssign** (author: James Stewart, Publisher: Cengage), ISBN: 9780538796859
- **Essential University Physics Plus MasteringPhysics with eText — Access Card Package, 3rd Edition** (author: Richard Wolfson, publisher: Pearson), ISBN: 9780321975973

Other Materials

- A scientific calculator that, in addition to the basic arithmetic functions, is capable of powers, roots, trigonometric functions (sin, cos, tan), exponential and logarithmic functions, and the inverse of those functions. A graphing calculator is fine, as is one of the many calculator apps (free or inexpensive) available for smartphones.
- 1 pair of lab goggles for chemistry, available for purchase at the Science Support Center (Lab 1 2059B) and the Greener Bookstore.
- 3-ring binder.
- 1 bound notebook for physics lab notes. We recommend but don't require graph paper pages and pages large enough to attach handouts, printouts, graphs, etc.
- 1 bound notebook for chemistry lab notes.
- Bound notebooks for chemistry, math, and physics problem sets in their raw and revised versions. We recommend but don't require graph paper pages. We ask that you have separate notebooks for chemistry, math, and physics problem sets.

Program Learning Goals

Through your work in fall quarter, you will have the opportunity to:

1. Create an intentionally inclusive and anti-bias learning environment that is attentive to and supportive of the unique gifts and background of each student.
2. (Learning Goals – All Subject Areas)
 - a. Improve your ability to articulate and assume responsibility for your own work.
 - b. Strengthen your collaborative skills and the ability to respond in useful ways to the work of colleagues.
 - c. Improve your skills in clear communication of mathematical and scientific ideas, both orally and in writing.
 - d. Improve your ability to read technical textbooks with focus on developing conceptual understanding and procedural skills.
3. (Chemistry Learning Goals)
 - a. Understand how the structure of the atom influences the chemical properties of elements and how this translates into chemical bonding and shapes of molecules.
 - b. Learn about chemical reactions and their products in the context of laboratory and everyday phenomena.
 - c. Learn to use fundamental lab tools and apply these to investigate chemical and physical properties of solids, liquids, and gases.
 - d. Explore lab-based scientific inquiry through making a testable hypothesis, carrying out experiments, and data analysis with comparisons to literature and peer results.
4. (Mathematics Learning Goals)
 - a. Gain a firm understanding of the concepts of function, slope, area, and limits, which provide the foundation for calculus.
 - b. Learn the definitions of the derivative and the integral, see how they are deeply related to each other, and be able to relate them to algebraic, numerical, graphical, or verbal descriptions and data.
 - c. Learn to calculate derivatives using a variety of standard techniques.
 - d. Learn to use derivatives in applied problems, particularly in the context of the physical sciences.
5. (Physics Learning Goals)
 - a. Utilize the mathematical models that describe and explain motion in the natural world.
 - b. Understand that physics is based on a few key principles that can be applied to a wide range of natural phenomena.
 - c. Use the main ideas of classical mechanics (kinematics to describe motion and changes in motion, and dynamics and conservation principles to understand what causes changes in motion and what limits those changes) to solve fundamental and applied problems.
 - d. Experience that physics is both a mathematical and an experimental science.

Our work will take place in the context of an Evergreen learning community, and we will be responsible for our interactions within the group as well as our individual learning. In this context, it is important to keep in mind the institutional-level expectations and approaches that form the backdrop of our work together. These are articulated by the College in terms of the “Six Expectations” and “Five Foci”, as follows:

Expectations of an Evergreen Graduate:

1. Articulate and assume responsibility for your own work.
2. Participate collaboratively and responsibly in our diverse society.
3. Communicate creatively and effectively.
4. Demonstrate integrative, independent, critical thinking.
5. Apply qualitative, quantitative and creative modes of inquiry appropriately to practical and theoretical problems across disciplines.
6. As a culmination of your education, demonstrate depth, breadth and synthesis of learning and the ability to reflect on the personal and social significance of that learning.

Five Foci of Learning:

- Interdisciplinary Study
- Collaborative Learning
- Learning Across Significant Differences
- Personal Engagement
- Linking Theory with Practical Applications

In all areas of the program, credit will be awarded based on: attendance, participation, and effort; timely submission of assignments; and demonstrated understanding of the material. All of these will be evaluated with the program learning goals in mind.

Schedule of Activities, Assignments, and Assessments

- All students will participate in weekly *Lectures*, *Labs*, *Workshops*, and occasional *Seminars*.
- Regular weekly assignments include *Reading Assignments*, *Reading Responses*, *Pre-labs*, *Lab Write-ups*, and *Problem Sets*.
- Each week there will be a *Quiz* in each subject. In weeks 5 and 10, there will be *Exams* in Math. In week 10, there will also be *Exams* in Chemistry and Physics.
- There will be occasional *Pre-Seminar Writing Assignments* and *Academic Statement* support work.
- Throughout the quarter, you will maintain a *Portfolio* of your work.

Weekly Class Meeting Schedule

Time	Monday Purce Hall Classroom 5	Tuesday Lab 2 1241 or 2238	Wednesday Purce Hall Classroom 5	Thursday Purce Hall Classroom 5
8:00		Science Lab & Workshop		
8:15		Science Lab & Workshop		
8:30		Science Lab & Workshop		
8:45		Science Lab & Workshop		
9:00	Math Quiz	Science Lab & Workshop	Physics Quiz	Chemistry Quiz
9:15	Math Quiz	Science Lab & Workshop	Physics Quiz	Chemistry Quiz
9:30	Math	Science Lab & Workshop	Physics	Chemistry
9:45	Math	Science Lab & Workshop	Physics	Chemistry
10:00	Math	Science Lab & Workshop	Physics	Chemistry
10:15	Math	Science Lab & Workshop	Break	Chemistry
10:30	Break	Science Lab & Workshop	Math	Chemistry
10:45	Physics	Science Lab & Workshop	Math	Chemistry
11:00	Physics	Science Lab & Workshop	Math	Break
11:15	Physics	Science Lab & Workshop	Math	Break
11:30	Physics	Science Lab & Workshop	Break	Break
11:45	Program Check-in	Science Lab & Workshop	Math Lab (Lab 2 – CAL)	Break
12:00	Program Check-in	Break	Math Lab (Lab 2 – CAL)	Math/Physics Workshop
12:15	Optional: Reading Group	Break	Math Lab (Lab 2 – CAL)	Math/Physics Workshop
12:30	Optional: Reading Group	Break	Math Lab (Lab 2 – CAL)	Math/Physics Workshop
12:45	Optional: Reading Group	Break	Math Lab (Lab 2 – CAL)	Math/Physics Workshop
1:00	Optional: Reading Group	Science Lab & Workshop		Math/Physics Workshop
1:15	Optional: Reading Group	Science Lab & Workshop		Math/Physics Workshop
1:30	Chemistry	Science Lab & Workshop		Math/Physics Workshop
1:45	Chemistry	Science Lab & Workshop		Math/Physics Workshop
2:00	Chemistry	Science Lab & Workshop		
2:15	Chemistry	Science Lab & Workshop		
2:30	Chemistry	Science Lab & Workshop		
2:45	Chemistry	Science Lab & Workshop		
3:00		Science Lab & Workshop		
3:15		Science Lab & Workshop		
3:30		Science Lab & Workshop		
3:45		Science Lab & Workshop		
4:00		Science Lab & Workshop		
4:15		Science Lab & Workshop		
4:30		Science Lab & Workshop		
4:45		Science Lab & Workshop		

Weekly Workflow

Day	Chemistry	Math	Physics
Mon	<ul style="list-style-type: none"> • Finish Chem Pre-lab for Tue. Lab • Finish last week's Chem Lab Write-up • Work on Chem Problem Set 	<ul style="list-style-type: none"> • Math Quiz (in class) • Math Quiz revisions for last week's quiz due (in class) • Work on Math Problem Set 	<ul style="list-style-type: none"> • Phys Problem Set due 6 pm (online)
Tue	<ul style="list-style-type: none"> • Chem Lab Write-up on last week's lab due 8 am (class) • Chem Problem Set due 6 pm online 	<ul style="list-style-type: none"> • Re-read for Wed. Math Lecture • Work on Math Problem Set 	<ul style="list-style-type: none"> • Study for Wed. Physics Quiz • Re-read for Wed. Physics Lecture • Work on Physics Problem Set
Wed	<ul style="list-style-type: none"> • Study for Thu. Chem Quiz • Re-read for Thu. Chem Lecture • Work on Chem Lab Write-up due next Tue. • Work on Chem Problem Set 	<ul style="list-style-type: none"> • Finish Math Lab Write-up from today's lab • Work on Math Problem Set 	<ul style="list-style-type: none"> • Phys Quiz (in class) • Phys Quiz revisions for last week's quiz due (in class) • Work on Physics Problem Set
Thu	<ul style="list-style-type: none"> • Chem Quiz (in class) • Chem Quiz Revisions for last week's quiz due (in class) • Work on Chem Lab Write-up • Work on Chem Problem Set 	<ul style="list-style-type: none"> • Math Lab Write-up for Wed. lab due 5 pm (Lab 2 3255) • Work on Math Problem Set 	<ul style="list-style-type: none"> • Work on Physics Problem Set
Fri	<ul style="list-style-type: none"> • Work on Chem Pre-lab • Work on Chem Lab Write-up • Work on Chem Problem Set • Read for next week 	<ul style="list-style-type: none"> • Math Problem Set due 6pm (online) • Read for next week 	<ul style="list-style-type: none"> • Work on Physics Problem Set • Read for next week
Sat/Sun	<ul style="list-style-type: none"> • Work on Chem Pre-lab • Work on Chem Lab Write-up • Work on Chem Problem Set • Read for next week 	<ul style="list-style-type: none"> • Math Reading Response due 6 pm Sunday (online) • Read for next week • Study for Mon. Math Quiz 	<ul style="list-style-type: none"> • Physics Reading Response due 8 pm Sunday (online) • Work on Physics Problem Set • Read for next week

Activities Overview

Lectures:

In our interactive Lectures, we will provide context for the program content and skills, work through conceptual difficulties, make connections between our various topics and texts, and gather questions. You prepare for Lecture by completing the assigned reading before coming to Lecture and taking reading notes. You participate during Lecture by taking lecture notes and engaging in lecture discussion and activities. You follow through on Lecture by beginning work on Problem Sets.

Math/Physics Workshops:

A collaborative Workshop is associated with the Math and Physics Lectures and occurs on Thursday afternoon. You prepare for Workshop by reading all problems on the Math and Physics Problem Sets, attempting to complete as many as you can, documenting your work in your Problem Set Notebooks, and bringing your complete and incomplete problems to Workshop. You participate in Math/Physics Workshop by working in small groups to understand and explain problems that posed particular challenges to you or any group member, with the goal of improving both your private internal understanding and your public external communication of that understanding, and documenting your work in your Problem Set Notebook. The emphasis during Math/Physics Workshop will be on collaborative learning and communication about math and physics; the goals of the session are as much about mathematics/physics process and discourse as they are about problem-solving. You follow through on Workshop by updating and completing your problem set notebook and by submitting your Problem Sets (as described below).

Chemistry Workshops:

There will be dedicated chemistry workshop time during the last hour of every Chemistry Lab period as well as interspersed throughout the lecture time. In Chemistry Workshop you will have the opportunity to work collaboratively on problems that support the Problem Set and Lecture material. The best way to prepare for workshop time is by taking notes in lecture, with special notice to the problems that are worked on the board. (You may find it especially helpful to print the Powerpoints for the lecture in advance and take notes on these.) Some of the problems presented in Workshop may be open-ended to facilitate group discussion. You will be encouraged to present solutions to the class to reinforce learning and practice your communication skills. At the end of each Workshop you hold onto your completed problems for study material. Any unfinished problems can be attempted as further practice to prepare for quizzes and exams.

Labs:

Labs will give students opportunities to discover/apply chemistry, mathematics, or physics, concepts/principles and to develop hands-on experience and transferable skills with equipment and computers in a structured and supportive environment. Labs will emphasize teamwork and communication capacities, observation and record-keeping skills, and problem-solving and analysis. For math and physics, you will not need to prepare for lab sessions; exceptions will be clearly noted with sufficient lead time. For chemistry, there will be a weekly Pre-lab Assignment due at the start of the Chemistry Lab (as described below). You participate in Labs by engaging appropriately in the assigned activities and documenting your work in your Lab Notebooks (for chemistry and physics) or Lab Handouts (for

math). You follow through on Lab by completing any analysis or questions that remain. For Math Lab and Chemistry Lab, you will complete a Lab Write-up (described below).

Seminars:

Four seminars will be held throughout the quarter to facilitate group discussion about how the issues of power, identity, privilege, and equity intersect with the teaching, learning, and practice of math and science. You will prepare for Seminar by completing assigned Seminar Readings and completing any Pre-Seminar Writing Assignments.

Academic Statement Workshops:

During the quarter, there will be at least 6 hours devoted to development of your Academic Statement. This includes work on writing skills and reflection on your academic path at Evergreen.

Assignments and Assessments Overview

Reading Assignments:

Each week, you will have Reading Assignments from the chemistry, math, and physics textbooks. Details of Reading Assignments are provided each week at the program website.

- Math Reading Assignments must be completed in time for you to submit your Reading Response by 6 pm Sunday (see below)
- Physics Reading Assignments must be completed in time for you to submit your Reading Response by 8 pm Sunday (see below).
- Chemistry Reading Assignments must be completed prior to Chemistry lectures.

Reading Responses:

For each week's Reading Assignment in math and physics, you will complete a Reading Response. The Reading Responses are intended to help you keep up with the reading, orient you to the material for the upcoming week, and to give feedback to your instructors on how best to use our class time, based on what you have difficulty with. You are welcome to use your book and other resources to complete the Reading Response, but should take it individually. Reading Responses are by Sundays at 6 pm for math using WebAssign, and by Sundays at 8 pm for physics using MasteringPhysics. If you don't have web access on Sunday, there are alternatives; please come speak with us.

Problem Sets and Problem Set Notebooks:

Problem Sets in chemistry, math, and physics give you practice with important basic concepts and calculations, as well as with problems that are generally richer and more complicated, requiring an application of concepts and skills beyond the basics.

- **Chemistry:** Homework assignments will be submitted via MasteringChemistry. All assignments are due at 6 pm on Tuesday.
- **Math:** You should read over all problems on the Problem Set before the Thursday Math/Physics Workshop, and complete as many as you can. You submit selected problems from the week's Problem Set for assessment. You submit your answers via WebAssign no later than Friday 6 pm.

- **Physics:** You should read over all problems on the Problem Set before the Thursday Math/Physics Workshop, and complete as many as you can. You submit your answers via MasteringPhysics no later than Monday 6 pm.
- **Problem Set Notebooks:** In addition to the online submission of Problem Sets, clear and complete written solutions to Problem Sets are required in your Problem Set Notebooks for each subject, which may be checked during the quarter.

Chemistry Pre-lab Assignments:

Weekly Chemistry Pre-Lab Assignments will consist of a few short questions to familiarize you with the material for each week's chemistry lab. The pre-lab will be posted along with the lab protocol each week on our program website. To complete the pre-lab, you will be asked to read the lab procedure and write the answers to your questions in your lab notebook. Pre-labs must be written in your lab notebook before you start the week's experiment.

Lab Write-ups:

- **Chemistry:** Each chemistry lab will have an associated Lab Write-up assignment which will serve as training in technical writing. The Lab Write-up will allow you to complete any calculations and analysis not completed in lab, synthesize the concepts covered in lab, do error analysis, analyze the reliability of your results, and discuss the implications for experimental design and broader scientific knowledge. The Lab Write-up should be completed on its own paper and turned in at the beginning of the following week's lab.
- **Physics:** There will be no formal Lab Write-ups for Physics lab. Ordinarily, all lab work will be completed and recorded in student lab notebooks during the physics lab period.
- **Math:** Each Math Lab Write-up will consist of filling out the Math Lab Handout and is due by 5 pm the day following the Math Lab to the box outside Lab 2 3255.

Quiz and Quiz Revisions:

There will be an in-class Quiz for each subject each week. Math quizzes will be held Monday at 9 am; physics quizzes will be held Wednesday at 9 am; and chemistry quizzes will be held Thursday at 9 am. Quizzes will cover chemistry, math, and physics material primarily from the previous week. Quizzes will help you and us keep track of your understanding of the material. The quiz problems will often be very similar to problem set, workshop, and lab problems from the previous week. To study for the quiz, the most important work you can do is to complete the labs and especially the homework and check your work against provided solutions. Make use of QuaSR tutors and resources as well as classmates, program tutors, and faculty, along with other appropriate resources to be sure you understand the homework problems in advance of the quiz. If you are concerned about your performance on any Quiz, you can revise that Quiz and submit the Quiz Revision by the beginning of the next Quiz in that subject. In physics, there will be additional expectations regarding Quiz Revisions, to be explained in more detail in another document.

Exams:

There will be an in-class exam in week 5 in math. This exam offers you an opportunity to demonstrate what you have learned through reading, lectures, labs, homework, and other program activities. Details about Exam Revision opportunities will be provided after Exams are returned. There will also be final exams in week 10 for chemistry, math, and physics.

Seminar Writing Assignments:

Details of Pre-Seminar Writing Assignments will be announced with sufficient advance notice before the occasional Seminars.

Portfolio:

Throughout the program, you will maintain a portfolio of your work consisting of all the above assignments and assessments as well as any notes or other material that reflect your work. The portfolio will be submitted at the end of week 10 and will inform faculty evaluations. It will also provide a lasting record and resource for your own future reference. In addition to the above assignments and assessments, your Portfolio will also include a Self-Evaluation and updated Academic Statement.

Self-Evaluation:

Each student is required to write and submit to faculty an evaluation of their own work and achievements in the program. Short evaluation writing workshops will help you through this process.

Academic Statement:

Each student is required to write and submit to faculty an updated draft of their Academic Statement. We will devote at least six hours of class time in fall quarter in activities that support students in writing or updating their Academic Statement; this work will also support self-evaluation writing.

Credit and Evaluation

Students' work in the program will be evaluated with the Program Learning Goals described above in mind. Fulfilling minimum requirements in a subject will earn students credit in that subject; the narrative evaluation comments will reflect the quality of the student work in the subject. Credit equivalencies for fall quarter will be: Calculus I (4 credits), General Chemistry I w/ lab (6 credits); Calculus-based Physics w/ lab (6 credits).

Basis for Awarding Credit

- Regular, punctual attendance and active participation in all program activities.
- Completion and timely submission of assignments.
- Demonstration of comprehension of content knowledge and competence in process skills covered in the program.

Loss of Credit

- Too many absences from program activities during the quarter could affect credit. Repeated instances of lateness or early departure are equivalent to absence.
- Students may lose some or all credit because of unsatisfactory performance, failure to complete assignments, poor attendance, or other violations of the Community Agreements.
- As a rule, late assignments and make-up work will not be accepted. Faculty may make exceptions if extenuating circumstances (such as illness or extraordinary family/relational needs) make class attendance or timely submission of work impossible. Clear communication is essential in these cases.
- Cheating, plagiarism, dishonesty, or other lapses of academic integrity may lead to total loss of credit.
- Credit is designed to be awarded on an all-or-nothing basis for each credit equivalency listed above.

Academic and Student Support Resources

Your tuition and fees pay for many resources on campus. Here are a few:

QuaSR Center:

The [Quantitative and Symbolic Reasoning Center \(QuaSR\)](#) is the campus Math and Science student support center. Located in the Library and open M-Th 11am-8pm and Friday and Sunday from noon - 5pm, the QuaSR offers support in all the subjects covered in our program. <http://www.evergreen.edu/mathcenter>.

Writing Center:

The [Writing Center](#) offers support for the different kinds of writing students will encounter at Evergreen. Located in the Library right next to the QuaSR, the Writing Center is open M-Th 11am-8pm and Friday and Sunday from noon - 5pm. <http://www.evergreen.edu/writingcenter>.

Academic Advising:

[Academic Advising and the Advising Center](#) can help you understand your educational options, plan your academic path, and succeed as a learner. They are located in the Library, and schedule appointments M-F 9am-noon and have drop-in hours M-W 1pm-5pm and Th-F 1pm-4pm. <http://www.evergreen.edu/advising>.

Access Services:

[Access Services for Students with Disabilities](#) is responsible for providing support services for students with documented disabilities. Access Services is located in Academic Advising in the Library, with hours from 9am-5pm M-F. <http://evergreen.edu/access>.

TRiO:

The [TRiO Student Success](#) programs are federally funded grants designed to improve college access and graduation rates for individuals from disadvantaged backgrounds, specifically low-income students, first-generation college students, and students with disabilities. TRiO is located in Academic Advising in the Library. <http://www.evergreen.edu/trio/>.

First Peoples Advising and the Unity Lounge:

[First Peoples Multicultural Advising Services](#) provides equity support services for all Evergreen students, staff, and faculty, and provides comprehensive academic, social, and personal advising. The Unity Lounge is a welcoming and inviting space for all. Both First Peoples and the Unity Lounge are in a transitional period as of the beginning of fall quarter. <http://www.evergreen.edu/multicultural>.

TQC:

The [Trans & Queer Center](#) supports Evergreen's lesbian, gay, bisexual, transgender, queer, questioning, intersex, asexual, and agender students, faculty, and staff. The TQC is open as of the beginning of fall quarter. <http://www.evergreen.edu/tqc>.

Veterans Resource Center:

The [Veterans Resource Center](#) serves all military, dependents, and veterans with respect, compassion, and confidentiality, and helps them receive all the benefits they have earned through their or their loved one's service to our country. Located in LIB 1103 and open M-F 8am-5pm and by appointment. <http://www.evergreen.edu/veterans>.

Health and Safety Resources and Policies

Evergreen Wellness Resources: The quarterly student health fee covers office visits for medical and counseling services at Student Wellness Services, Seminar 1, 2110. Services include screening and treatments for cold, flu, reproductive & sexual health, depression, anxiety, and drug and alcohol use. If you or someone you know needs assistance, please contact Student Wellness Services at (360) 867-6200. If faculty are concerned about your wellbeing, we will express our concern to you and offer to help you connect with Student Wellness Services. We welcome students asking for assistance with medical and counseling concerns. Please consider asking for assistance at the earliest possible point.

Alcohol and Drugs: Faculty want you to thrive academically in this program and in your time at The Evergreen State College. The use of alcohol and other drugs often has a negative effect on students' academic success. If we are concerned that you are under the influence of drugs or alcohol during class meetings or activities, we will express our concerns to you. Use of alcohol or marijuana in an illegal manner and use of illegal drugs is prohibited on field trips. Behavior that may be a violation of the [Student Conduct Code](#) will be reported to the Senior Conduct Administrator in the office of the Vice President for Student Affairs. A special note on marijuana—because The Evergreen State College receives federal funding (e.g. students receiving federal financial aid) the possession and use of marijuana on campus remains illegal and may impact your ability to work for certain companies or agencies after graduation.

Sexual Violence: The Evergreen State College is committed to an educational environment free from sexual harassment and sexual misconduct. In order to connect students with the best possible services and all available options, members of the faculty are required to report disclosures of sexual harassment and sexual misconduct made by students to Evergreen's Title IX Coordinator. Students may contact the Title IX Coordinator, Kelly Schrader at schradek@evergreen.edu or 360-867-6900 for information about their rights and options at Evergreen, to access support services, or begin a formal complaint. Members of the faculty are also required to report abuse of minors. Confidential support is available to students affected by sexual misconduct in Student Wellness Services, Office of Sexual Violence Prevention and Response, Seminar 1, 2110, (360) 867-6200. Find out how you can help stop sexual assault, relationship violence, and stalking by joining [Green Dot](http://blogs.evergreen.edu/evergreendot/), <http://blogs.evergreen.edu/evergreendot/>. Evergreen has an affirmative consent policy with regard to sexual violence.

Reading Schedule

Week #	Math Reading	Physics Reading	Chemistry Reading	Seminar	Notes
1 9/25-10/1	Preview of Calculus, 1.1, 1.2, 1.3, 1.5, 1.6	1.1-1.4	Chapter 0, 1.1-1.8		
2 10/2-10/8	1.7, 2.1-2.3	2.1-2.5 3.1-3.4	1.9-1.11, 2.1-2.13		
3 10/9-10/15	2.4-2.6	3.6, 4.1-4.2 4.3-4.5	2.14, 3.1-3.10, 4.1-4.5	TBD Wed 10:00 - 12:00	Wed Phys quiz and lecture on Tue
4 10/16-10/22	2.7-2.8, 3.1	4.6; 5.1-5.2 5.3-5.5	4.6-4.8		Joint Program Mixer, Mon 12:00 - 1:30 with Math Systems; Field trip, Tue 10:30 - 5:00
5 10/23-10/29	None (Midterm Exam)	6.1-6.3 6.4-6.5	4.9-4.10, 5.1-5.4	TBD Thu 10:00 - 12:00	Wed Phys and Thu Chem quiz and lecture held on Tue; Math Exam on Wed
6 10/30-11/5	3.2-3.4	7.1-7.3 7.4-7.6	5.5-5.7, 6.1-6.3		(optional) Joint Program Potluck (Fri 11:30 - 1:00) and Alumni Panel (Fri 1:00 - 3:30) with AMR
7 11/6-11/12	3.5-3.7	9.1-9.3 9.4-9.6	6.4-6.7	TBD Wed 10:00 - 12:00	Physics quiz and lecture on Tue
8 11/13-11/19	4.8, 5.1-5.2	10.1-10.3 10.4-10.5	6.8-6.11		
9 11/27-12/3	5.3-5.4	11.1-11.3 11.4-11.5		TBD Thu 10:00 - 12:00	Chemistry quiz held on Tue; Lab Clean-ups Tue
10 12/4-12/10	None (finals)	None (finals)	None (finals)		