

# PHY 111: General Physics Recitation      Spring 2025

Polytechnic Campus | Tuesday | 12:00 PM – 12:50 PM | AGBC 160

## **Instructor Information:**

**Instructor:** William Klemaszewski (Can use Klem or K for short)

**Email:** [wklemasz@asu.edu](mailto:wklemasz@asu.edu)

**Instructor's Office:** Wanner 140G. Building entrance is on the North side.

**Student Hours:** Tuesday 1:00 PM – 2:30 PM & Wednesday 2:30 PM – 4:00 PM. Appointments can also be made by contacting me via email.

## **Course Information:**

### **Course Description:**

Non-calculus treatment of the principles of physics for non-physics majors. Students whose curricula require a lab must also register for PHY 113. Both PHY 111 and PHY 113 must be taken to secure General Studies Gold SCIT credit or General Studies Maroon SQ credit.

### **Course Overview:**

This course is the recitation section that is meant to be taken with the General Physics 111 lecture. The material covered in this course includes vectors, motion, Newton's Laws, energy, momentum, and torques.

**Credits:** 0

**Enrollment Requirements:** MAT 170 or higher with C or better or ALEKS score of 61 or higher or MAT 210 or higher OR Visiting University Student

### **Expected Learning Outcomes:**

Students completing this course will be able to:

- Add vectors together using graphical and mathematical methods
- Predict the variables of motion based on how an object moves
- Calculate the location that a projectile will land
- Draw free body diagrams for 2-D mechanics problems
- Include friction in the resulting motion of objects
- Determine the force applied to objects in uniform circular motion
- Calculate different energy types and show mechanical energy is conserved
- Calculate the momentum of an object and show the total momentum of a system is conserved
- Determine the behavior of objects in simple harmonic motion
- Calculate the torque applied to an object and use this to balance it

### **Course Objectives:**

Through weekly readings and experiments, students will be able to:

- Review material that has been covered in lecture
- Practice and see strategies to complete problems related to lecture material

This course is offered by the College of Integrative Sciences and Arts. For more information visit <https://cisa.asu.edu> or <https://cisa.asu.edu/contact-us>

## General Studies:

This course fulfills the ASU **Scientific Thinking in Natural Sciences** General Studies requirement. Students completing a Scientific Thinking in Natural Sciences course will be able to:

- Obtain and interpret qualitative or quantitative data and communicate the findings
- Employ evidence to construct and test scientific hypotheses
- Assess the validity of scientific claims using evidence from biological or physical science
- Create models to explain observable phenomena and understand biological or physical processes in the natural world
- Communicate coherent arguments using evidence drawn from qualitative or quantitative sources

## Required Course Texts/Materials:

Since attendance will be taken through the iClicker system, you will need a reliable broadband internet connection to use iClicker Student. While it is possible to perform all of the calculations by hand, a scientific/graphing calculator is highly recommended. A method for taking notes is recommended as well.

## Additional Requirements:

This course requires the following technologies:

- Web browsers ([Chrome](#), [Mozilla Firefox](#), or [Safari](#))
- One of the following:
  - [Adobe Acrobat Reader](#) (free)
  - Microsoft Office ([Microsoft 365 is free](#) for all currently-enrolled ASU students)

*Note:* A smartphone, iPad, Chromebook, etc. will not be sufficient for completing your work in an online environment. Although you will be able to access course content with mobile devices, you must use a computer for all assignments, quizzes, and virtual labs completed in Canvas.

## Course Access:

Your ASU courses can be accessed by both [MyASU](#) and [ASU Instructure](#); bookmark both in the event that one site is down.

## Course Format & Policies:

### Assignments & Exams:

The grade for recitation will depend on your attendance and your participation in problem solving for recitation. Each week, there will be ten points that are available. **Two unexcused absences will be allowed throughout the semester and will have no effect on your grade.** This will count as the two lowest attendance/participation scores being dropped at the end of the semester. The contributions of each assignment type in terms of the total grade and points themselves can be seen below:

Assignment	Number	Points Each	Total Points	Total %
Attendance/Participation	12	10	100	100
		<b>Total</b>	<b>100</b>	<b>100</b>

### iClicker:

As of the 2020 academic calendar year, ASU has made an agreement to use the iClicker Student Response System. As a result of this agreement, students can use iClicker in their courses for free. **When you make your account, make sure to use information tied to your ASU student account for it to be free.**

Once you have an account made, you will be able to add this course to your list of courses. You can use the course details at the top of the syllabus to confirm that you are adding the correct course. **Make sure you are adding the correct course number.**

iClicker has a software called “iClicker Student” that students can use on mobile devices, laptops, computers, etc. to answer the questions that show up during class. Please put iClicker Student onto your preferred device so that you can participate during class. While iClicker does sell standalone clickers, I do not have the base station required to connect to these devices. As a result, **do not use an iClicker remote.** I will not be able to record your attendance or answers.

Here are a couple links to help get started with setting up your iClicker account:

<https://macmillan.force.com/iclicker/s/article/How-to-Create-an-iClicker-Ref-Student-Account>

<https://docs.google.com/document/d/1HANI3rWrPzBOmLmVEptklcI9XZFGAXvSuleYXnc6Lc4/edit>

We will be using the iClicker system for attendance and for the two questions in each recitation. **Please make an account so that you can show your attendance and participation.** When you join each session, you will automatically be signed in. Students who sign-in 10 or more minutes beyond the start of class will not receive the sign-in points. There will be a sign-out question at the end of each session, make sure to stay and answer it to receive the sign-out points. Each recitation, there will be two questions you must answer related to the material covered that are worth two points each. One point will be earned for participation on the question and one point will be earned for a correct answer.

### **Grading Policy:**

The final grade for recitation will be calculated using the following formula:

$$\left( \frac{\text{Total Attendance/Participation Points}}{100} \right) \times 100$$

The total in the equation is after the two lowest scores have been removed. This percentage will be given to your lecturer so that they can calculate the contribution to your final grade.

### **Grading Procedure:**

Grades reflect your performance on assignments and adherence to deadlines. Grades on assignments will be available within 1 week of the due date in the Gradebook.

### **Grading Procedure on Late Submissions, Absences, & Make-Up Exams:**

Notify the instructor before an assignment is due if an urgent situation arises and you are unable to submit the assignment on time.

In the case of an absence from recitation, there are two options. The first is to have the absence be counted as one of the two grades that will be dropped at the end of the semester if possible or have it count as a zero if both have already been used. The other option is to complete a set of problems related to the missed chapter as your practice for it and submit the work for these problems the following recitation.

**Do not use the iClicker system or have someone else use it for you when you are not present as that is academic dishonesty!**

### **Attendance Policy:**

You are expected to attend all scheduled meetings of your recitation section. Do not schedule other classes or activities during this time. Two unexcused absences will be allowed throughout the semester and will have no effect on your grade. Attendance will be taken at the start and end of class. Students who arrive late or leave recitation early will lose attendance points. See the Grading section for more details on the attendance points. For more details on the specific days that we meet, please see the course schedule at the bottom of the syllabus.

Attendance and participation in class activities is an essential part of the learning process, and students are expected to attend class regularly. Some absences are, however, unavoidable. Excused absences for classes will be given without penalty to the grade in the case of (1) a university-sanctioned event [ACD

304-02]; (2) religious holidays [ACD 304-04; a list can be found here [Religious Holidays](#); (3) work performed in the line-of-duty according [SSM 201-18]; and (4) illness as documented by a health professional.

Follow the appropriate University policies to request accommodation for religious practices, or to request accommodation for missed assignments due to University-sanctioned activities or active military service.

Anticipated absences for university-sanctioned events, religious holidays, or line-of-duty activity should be communicated to the instructor by email at least 7 days before the expected absence.

Absences related to illness should be documented by a health professional and communicated to the instructor as soon as possible by email.

Excused absences do not relieve students from responsibility for any part of the course work required during the period of absence. Faculty will provide accommodations that may include participation in classes remotely, access to recordings of class activities, and make-up work.

If there is a disagreement as to whether an absence should be accommodated, the instructor and student should contact the academic unit chair immediately for resolution.

In the case of an excused absence, a set of problems related to the missed chapter will be given to complete as practice for the chapter and must be completed before the following recitation. If you will have an absence that can be excused, notify me as early as possible.

I am aware of the complexities of being a student veteran. If you are a veteran, on active duty, in the reserves, or a spouse or dependent, stay in contact with me if an aspect of your present or prior service makes it difficult for you to fulfill the requirements of the course. Training and drill schedule, calls to active duty, VA appointments, GI Bill disbursements, and other aspects of service can disrupt academic progress. If you make me aware of a complication, I will work with you and/or put you in contact with university staff who are trained to assist you.

## **ASU General Policies & Requirements:**

### **College Contact:**

This course is offered by the [College of Integrative Sciences and Arts \(CISA\)](#). For more information about the college, visit our website: [College of Integrative Sciences and Arts](#). If you have questions about this course, please speak with your instructor. If your instructor is unable to address your questions, please send your inquiry to [CISA@asu.edu](mailto:CISA@asu.edu).

### **Submitting Assignments:**

For your own protection, you should keep a copy of everything you hand in, and you should keep your graded assignments at least until grades are finalized at the end of the semester in the event you wish to contest any grades.

All assignments, unless otherwise announced by the instructor, **MUST** be submitted to the designated area of Canvas. Do not submit an assignment via email.

Assignment due dates follow Arizona Standard time. Click the following link to access the [Time Converter](#) to ensure you account for the difference in time zones. Note: Arizona does not observe daylight savings time.

### **Classroom Use of Generative AI (i.e. Chat GPT, Bard, etc.):**

ASU and the College of Integrative Sciences and Arts have established policies and guidelines for the use of Generative AI (Gen AI) such as ChatGPT in our courses. In this course, you may be allowed to use Gen AI under some circumstances with explicit permission from the instructor. Some assignments in this course may include or allow the use of Artificial Intelligence (AI), including ChatGPT or related tools for the creation of text, images, computer code, audio, or other media.

Your instructor will inform you when, where, and how you may use these tools, and [provide guidance for attribution](#). Use of generative AI tools in any other context in this course will be considered a violation of the [ASU Academic Integrity Policy](#), and students may be sanctioned for confirmed, non-allowable use. If at any point you have questions about what is permitted, contact the instructor to discuss before submitting work.

### **Campus Network Outage & Technical Support:**

When access to Canvas is not available for an extended period of time (greater than one entire evening) you can reasonably expect that the due date for assignments will be changed to the next day (assignment still due by 11:59 pm).

To monitor the status of campus networks and services, please visit the System Health Portal [ASU System Health](#).

This course uses Canvas to deliver content. You can access Canvas through your [MyASU](#) portal.

To contact the help desk you have two options:

- For immediate assistance, call ASU at 1-855-278-5080.
- Visit the [ASU Experience Center](#) to get personalized support through 24/7 live chat or submit your request online [MyASU Service](#).

### **Grade Appeals:**

Students must first speak with the instructor of the class to discuss any disputed grades. If this discussion does not result in a satisfactory resolution, the student may appeal in writing providing documentation to the faculty head or professor in charge of the instructor's area who will employ the area's procedures to resolve the grievance. For faculty head contact information, please reach out to [CISA@asu.edu](mailto:CISA@asu.edu). Student grade appeals must be processed in the regular semester immediately following the issuance of the grade in dispute (by commencement for fall or spring), regardless of whether the student is enrolled at the university. Complete details are available in [Student Grade Appeals](#).

### **Drop & Add Dates/Withdrawals:**

If you are unable to take this course for any reason, be aware that there is a limited timeline to [drop or add the course](#). Consult with your advisor and notify your instructor to add or drop this course. If you are considering a withdrawal, review the following ASU policies: [Withdrawal from Classes](#), [Withdrawing as a Financial Aid Recipient](#), [Medical/Compassionate Withdrawal](#), and a [Grade of Incomplete](#).

### **Course Time Commitment:**

Coursework includes all learning activities including reading, watching videos, studying, and completing assignments. Arizona Board of Regents (ABOR) requires 45 hours of coursework per credit for college-level courses, which translates to:

- 1 credit hour = 45 total hours
- 2 credit hours = 90 total hours
- 3 credit hours = 135 total hours
- 4 credit hours = 180 total hours
- 5 credit hours = 225 total hours

ASU courses range in length from 6 weeks to 15 weeks. Below is a breakdown of the 135-hour required time commitment for a three-credit course divided among weeks for courses of various lengths.

<b>Course Length:</b>	<b>Time on Coursework per Week for a 3-Credit Course:</b>	<b>Total Time Requirement for a 3-Credit Course:</b>
6 weeks	22.5 hours	135 hours
7.5 weeks	18 hours	135 hours

This course is offered by the College of Integrative Sciences and Arts. For more information visit <https://cisa.asu.edu> or <https://cisa.asu.edu/contact-us>

8 weeks	17 hours	135 hours
15 weeks	9 hours	135 hours

## **Academic Integrity:**

ASU expects and requires its students to act with honesty, integrity, and respect. Required behavior standards are listed in the [Student Code of Conduct and Student Disciplinary Procedures](#), the [Computer, Internet, and Electronic Communications Policy](#), the [ASU Student Academic Integrity Policy](#), and outlined by the [Office of Student Rights & Responsibilities](#). Anyone in violation of these policies is subject to sanctions.

Academic honesty is expected of all students in all examinations, papers, laboratory work, academic transactions and records. The possible sanctions include, but are not limited to, appropriate grade penalties, course failure (indicated on the transcript as a grade of E), course failure due to academic dishonesty (indicated on the transcript as a grade of XE), loss of registration privileges, disqualification and dismissal.

If you fail to meet the standards of academic integrity in any of the criteria listed on the university policy website, sanctions will be imposed by the instructor, college, and/or dean. Academic dishonesty includes, but is not limited to, cheating on an academic evaluation or assignment, plagiarizing, academic deceit (such as fabricating data or information), or falsifying academic records. Turning in an assignment (all or in part) that you completed for a previous class is considered self-plagiarism and falls under these guidelines. Any infractions of self-plagiarism are subject to the same penalties as copying someone else's work without proper citations. Students who have taken this class previously and would like to use the work from previous assignments should contact the instructor for permission to do so.

If you have any questions about your work and the academic integrity policy, please discuss your assignment or concerns with your instructor, teaching assistant, or your college Academic Integrity Officer in advance of submitting an assignment.

The [ASU Student Academic Integrity Policy](#) lists violations in detail. These violations fall into five broad areas that include, but are not limited to:

1. Cheating on an academic evaluation or assignment.
2. Plagiarizing.
3. Academic deceit, such as fabricating data or information.
4. Aiding academic integrity policy violations and inappropriately collaborating.
5. Falsifying academic records.

## **Disability Accommodation:**

ASU is responsible for providing reasonable accommodations to qualified students with disabilities to ensure courses and course materials are readily accessible. Approved accommodations are determined on an individual student and course-by-course basis with priority given to a student's preferred accommodation. Accommodations may include, but are not limited to, alternative testing, alternative formatted materials, interpreting, CART services, captioning, note-taking, classroom laboratory aides, and/or assistive technology.

Interpreting and CART services through the Student Accessibility and Inclusive Learning Services are not available for public activities or employment on or off campus. Public, self-supporting university units (e.g., Grady Gammage Memorial Auditorium) are responsible for providing their own interpreting or CART services. This includes nonacademic credit and/or fee-based programs, lectures, classes, workshops, conferences, and activities.



## **Student Accessibility & Inclusive Learning Services (SAILS) Disability Accommodations:**

Reasonable accommodations are determined on a case-by-case, course-by-course basis to mitigate barriers experienced due to a disability [SSM 701-02](#). Students with disabilities who require accommodations must register with the [Student Accessibility and Inclusive Learning Services](#) and submit appropriate documentation. It is recommended students complete this process at the beginning of the term and communicate as appropriate with their instructor. Qualified students with disabilities who will require disability accommodations in this class are encouraged to make their requests to the instructor at the beginning of the semester either during office hours or by appointment.

- **E-mail:** [Student Accessibility Email](#)
- **Phone:** 480-965-1234
- **Fax:** 480-965-0441

## **Instructor's Copyrighted Materials:**

In accordance with [ACD 304-06 Commercial Note Taking Services](#), written permission must be secured from the official instructor of the class in order to sell the instructor's oral communication in the form of notes. Notes must have the note taker's name as well as the instructor's name, the course number, and the date.

## **Copyright Notice/Zoom Recordings:**

The contents of this course, including lectures and other instructional materials, are copyrighted materials. Students may not share outside the class, including uploading, selling or distributing course content or notes taken during the conduct of the course. Any recording of class sessions by students is prohibited, except as part of an accommodation approved by the SAILS Office.

## **Copyright:**

Students must refrain from uploading to any course shell, discussion board, or website used by the course instructor or other course forum, material that is not the student's original work, unless the students first comply with all applicable copyright laws; faculty members reserve the right to delete materials on the grounds of suspected copyright infringement. For more information, see the Computer, Internet, & Electronic Communications Policy at [ACD 125](#).

The course syllabus and all other class materials (slide presentations, handouts, assignments, digital recordings, exams, quizzes, etc.) are intellectual property of Arizona State University and are not to be publicly distributed or otherwise commercialized since these materials are copyright protected. Such materials are for sole use in that designated semester. It cannot be used in any other form unless via a written statement of approval from the instructor. Commercial note taking services are prohibited in accordance with ACD 304-06 available at [ACD 304-06](#).

## **Prohibition Against Discrimination, Harassment, & Retaliation:**

Title IX is a federal law that provides that no person be excluded on the basis of sex from participation in, be denied benefits of, or be subjected to discrimination under any education program or activity. Both Title IX and university policy make clear that sexual violence and harassment based on sex is prohibited. An individual who believes they have been subjected to sexual violence or harassed on the basis of sex can seek support, including counseling and academic support, from the university. If you or someone you know has been harassed on the basis of sex or sexually assaulted, you can find information and resources at [Sexual Violence Prevention FAQ](#).

As a mandated reporter, I am obligated to report any information I become aware of regarding alleged acts of sexual discrimination, including sexual violence and dating violence. [ASU Counseling Services](#) is available if you wish to discuss any concerns confidentially and privately. ASU online students may access 360 Life Services, [ASU 360 Life Services](#).

## **Student Code of Conduct:**

Violations of the ASU Student Code of Conduct, other than the provision concerning academic dishonesty, are more generally considered inappropriate behavior. The [Office of Student Rights and Responsibilities](#) reviews and sanctions these matters. If a student violates both the academic integrity provision and additional provisions of the Student Code of Conduct, both the college and the Office of Student Rights and Responsibilities will review the matter. Each independently makes determinations concerning violations and appropriate sanctions.

ASU and the College of Integrative Sciences and Arts expects and requires its students to act with honesty, integrity, and respect. Required behavior standards are listed in the [Student Code of Conduct and Student Disciplinary Procedures](#), [Computer, Internet, and Electronic Communications policy](#), [ASU Student Academic Integrity Policy](#), and outlined by the [Office of Student Rights & Responsibilities](#). Anyone in violation of these policies is subject to sanctions. [Students are entitled to receive instruction free from interference](#) by other members of the class. An instructor may withdraw a student from the course when the student's behavior disrupts the educational process per [Instructor Withdrawal of a Student for Disruptive Classroom Behavior](#). The Office of Student Rights and Responsibilities accepts [incident reports](#) from students, faculty, staff, or other persons who believe that a student or a student organization may have violated the Student Code of Conduct.

Students must refrain from uploading to any course shell, discussion board, or website used by the course instructor or other course forum, material that is not the student's original work, unless the students first comply with all applicable copyright laws; faculty members reserve the right to delete materials on the grounds of suspected copyright infringement.

## **Disruptive, Threatening, or Violent Behavior:**

In the classroom and out, students are required to conduct themselves in a manner that promotes a safe environment that is conducive to learning and conducting other university-related business. All incidents and allegations of violent or threatening conduct by an ASU student will be reported to the ASU Police Department (ASU PD) and the Office of the Dean of Students. Such incidents will be dealt with in accordance with the policies and procedures described in Section 104-02 of the Student Services Manual, available at [SSM 104-02](#). Be advised that an instructor may withdraw a student from the course when the student's behavior disrupts the educational process per Instructor Withdrawal of a Student for Disruptive Classroom Behavior [SSM 201-10](#).

All incidents and allegations of violent or threatening conduct by an ASU student (whether on- or off-campus) must be reported to the ASU Police Department (ASU PD) and the [Office of the Dean of Students](#). If either office determines that the behavior poses or has posed a serious threat to personal safety or to the welfare of the campus, the student will not be permitted to return to campus or reside in any ASU residence hall until an appropriate threat assessment has been completed and, if necessary, conditions for return are imposed. ASU PD, the Office of the Dean of Students, and other appropriate offices will coordinate the assessment in light of the relevant circumstances.

Learning takes place best when a safe environment is established in the classroom. In accordance with [SSM 104-02](#) of the Student Services Manual, students enrolled in this course have a responsibility to support an environment that nurtures individual and group differences and encourages engaged, honest discussions. The success of the course rests on your ability to create a safe environment where everyone feels comfortable to share and explore ideas. We must also be willing to take risks and ask critical questions. Doing so will effectively contribute to our own and others' intellectual and personal growth and development. We welcome disagreements in the spirit of critical academic exchange, but please remember to be respectful of others' viewpoints, whether you agree with them or not.

## **Statement on Inclusion:**

Arizona State University is deeply committed to positioning itself as one of the great new universities by seeking to build excellence, enhance access, and have an impact on our community, state, nation, and the



world. To do that requires our faculty and staff to reflect the intellectual, ethnic, and cultural diversity of our nation and world so that our students learn from the broadest perspectives, and we engage in the advancement of knowledge with the most inclusive understanding possible of the issues we are addressing through our scholarly activities. We recognize that race and gender historically have been markers of diversity in institutions of higher education. However, at ASU, we believe that diversity includes additional categories such as socioeconomic background, religion, sexual orientation, gender identity, age, disability, veteran status, nationality, and intellectual perspective.

### **Classroom Community:**

To build a course climate that is comfortable for all, it is important that students (1) display respect for all members of the class – including the instructor and students; (2) pay attention to and participate in all interactive student partner/instructor sessions and activities; and (3) observe the rules of appropriate online behavior (also known as *netiquette*). This term is defined by the instructor and includes keeping course discussion posts and oral communication with other students (or the instructor) focused on the assigned topics. Students must maintain a cordial atmosphere and use tact in expressing differences of opinion. In addition, they must avoid racist, sexist, homophobic, or other negative language that may unnecessarily exclude course members. This is not an exhaustive list of behaviors; rather, it represents examples of the types of things that can have a dramatic impact on the course environment. Your final grade may be reduced each time you engage in the types of negative behaviors indicated above.

### **Mental Health:**

As a student, like anyone else, you may experience a range of challenges that can interfere with learning, such as strained relationships, increased anxiety, substance use, feeling down, difficulty concentrating, and/or lack of motivation. These emotional health concerns or stressful events may diminish your academic performance and/or reduce your ability to participate in daily activities. ASU Counseling Services provides counseling and crisis services for students who are experiencing a mental health concern. Any student may call or walk-in to any ASU counseling center for a same-day or future appointment to discuss any personal concern. Here is the website: [ASU Counseling Services](https://counseling.asu.edu/). After office hours and 24/7 ASU's dedicated crisis line is available for crisis consultation by calling 480-921-1006.

### **Trigger Warning:**

Please note that some course content may be deemed offensive by some students, although it is not my intention to offend anyone. In addition, some materials that we link with online might also be considered offensive, troubling, or difficult to review in terms of language or graphics. I attempt to provide warnings when introducing this kind of material; yet if I forget to do so, or if something else (in my materials or posts from fellow students) seems offensive, please contact me at [wklemasz@asu.edu](mailto:wklemasz@asu.edu), or the faculty head, Igor Shovkovy.

### **Course Evaluation:**

Students are expected to complete the course evaluation. The feedback provides valuable information to the instructor and the college and is used to improve student learning. Students are notified when the online evaluation form is available. The results are always anonymous and cannot be reviewed by the instructor/department until after final grades have been posted.

### **Email Communication:**

ASU email is an [official means of communication](#) among students, faculty, and staff. Students are expected to read and act upon email in a timely fashion. Students bear the responsibility of missed messages and should check their ASU-assigned email regularly. *All instructor correspondence will be sent to your ASU email account.*

### **Student Success:**

To be successful:

- Check the course daily

- Read announcements
- Read and respond to course email messages as needed
- Complete assignments by the due dates specified
- Communicate regularly with your instructor and peers
- Create a study and/or assignment schedule to stay on track
- Access [ASU Online Student Resources](#) or [CISA Academic Resources](#)

### **Tutoring:**

Free tutoring support is available in person and online for most courses. Services are offered through ASU's University Academic Success Programs for currently enrolled students.

- Tutoring is available in math, business, science, statistics, and engineering courses.
- Writing tutoring is available for any writing project at any stage of the writing process.
- Supplemental Instruction (SI) facilitates collaborative study groups for selected courses.
- Graduate academic tutoring is available for writing and statistics.
- Academic skills tutoring can help with critical reading, study skills, note taking, and more.
- Resources are available through our YouTube channel, Zoom recordings, and handouts.

Visit [ASU Tutoring](#) or call (480) 965-9072 for more information about these services, to view our schedules, or to book an appointment.

### **Academic Affairs Manual:**

For a complete guide to Arizona State University course policies, please refer to the [Academic Affairs Manual \(ACD\)](#).

### **ASU Online Course Policies:**

View the [ASU Online Course Policies](#).

### **Syllabus Disclaimer:**

The syllabus is a statement of intent and serves as an implicit agreement between the instructor and the student. Every effort will be made to avoid changing the course schedule but the possibility exists that unforeseen events will make syllabus changes necessary. Remember to check your ASU email and the course site often.

### **Course Itinerary:**

This schedule is subject to change throughout the semester.

Date	Class Topic	Points
1/14	Introduction, Syllabus, & Units	10
1/21	Ch. 1: Representing Motion	10
1/28	Ch. 2: Motion in One Dimension	10
2/4	Ch. 3: Vectors & Motion in Two Dimensions	10
2/11	No Class (Exam 1 Right Before)	0
2/18	Ch. 4: Forces & Newton's Laws of Motion	10
2/25	Ch. 5: Applying Newton's Laws	10
3/4	Ch. 6: Circular Motion, Orbits, & Gravity	10
3/11	No Class (Spring Break)	0

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3/18	No Class (Exam 2 Right Before)	0
3/25	Ch. 7: Rotational Motion	10
4/1	Ch. 8: Equilibrium & Elasticity	10
4/8	Ch. 9: Momentum	10
4/15	Ch. 9: Momentum	10
4/22	Ch.10: Energy & Work	10
4/29	No Class (Final Project Help)	0
5/6	No Class (Finals Week)	0
<b>Total Points</b>		<b>100</b>