PHY2054 - Course Syllabus

Warning: Syllabus Under Construction

This syllabus is provided to get a preview of the course. Changes may occur prior to the start of class.

Syllabus Highlights

Instructors	  Prof. Tarek Saab (he/him/his) 2354 New Physics Bldg Phone: 392-4671 Prof. Shawn Weatherford (he/him/his) 2142 New Physics Bldg Phone: 392-8747
Email to Instructors	***phy2054 @ phys.ufl.edu*** This is the **only** email to contact either instructor for this team-taught course. This ensures both instructors can see it and have all information in one place. You may expect a response within 48 hours on weekdays. Messages sent to instructors via Canvas may not receive a response. *Note that homework help is given during your discussion section and during office hours, not through e-mail.*
Notifications from Instructors	All course information and updates are sent using Canvas Announcements. A weekly digest of upcoming events and deadlines is delivered each week. Please stay informed by reading these announcements.
Class Lecture	All students are assigned to attend 1 of the below lecture periods, which meets on Tuesdays and Thursdays each week. TR Period 4: 8:30 - 9:20 am, NPB 1001 TR Period 5: 9:35 - 10:25 am, NPB 1001
Discussion Sections	All students are assigned to attend 1 discussion section, which meets twice per week. See **Discussion Sections** page for details about meeting times and contact information for your instructor.

Assembly Exams	The Registrar approved special class times for the final assembly exam and two during-term assembly exams. These are official class meetings in addition to the regular schedule and the attendance policy applies. Other class conflicts with these assembly exam dates are handled according to the registrar policy for during term exams found in the undergraduate catalog (Links to an external site.). A list of these dates is found on the Exam Information page.

Textbook and Course Materials	• *Perusall: College Physics: A strategic approach. (Knight, Jones and Field), 4th edition.* Print ISBN-13:978-0-13-460903-4.
	  ○ You can access the book to complete reading assignments (listed in Canvas).
	• The course requires students to purchase access to the online homework system, from Pearson called *Mastering Physics*
	  ○ You can access the multimedia rich version of the etext through the MyLab and Mastering link in the navigation sidebar, then clicking the Go to MyLab button.
	• iClicker account and mobile device/clicker to participate in lecture. iClicker Cloud access is already included in your student fees.
	Students are required to purchase access codes for Mastering Physics and Perusall using the UF All Access program. This is the only way to gain access to your homework assignments and the cheapest option for obtaining your materials thanks to negotiated discounts. Here is the link to have these charges direct billed to your student account:
	UF All Access website (Links to an external site.)
	See this handout
	Actions
	for instructions for obtaining course materials with UF All-Access.
	Access the assigned readings and homework through **Assignments** link in the sidebar.

Technology Requirements	This course requires a stable internet connection and a laptop or desktop computer at a minimum for any online course work. Although, many of the resources are accessible using other mobile devices, if exams transition to online due to extraneous circumstances, you will need to use a desktop device and not a mobile one. Your laptop/desktop computer must have a microphone and webcam for Zoom Office Hour visits. Only handheld calculators are permitted for performing calculations during exams or quizzes. *Only non-graphing, non-programmable*

	scientific calculators are acceptable. Mobile devices with calculator software are not permissible for use during exams or quizzes.

About the Course

PHY2054 - Physics 2 is the second semester of Physics without calculus, covering electrostatics, electric current, electric circuits and their components, magnetism, induction, electromagnetic waves, optics, optical devices, interference and diffraction. It is typically, but not exclusively, taken by biological sciences majors and pre-professional students, i.e., those planning careers in health care, optometry, pharmacy, etc. It is not a suitable course for physics, chemistry or engineering majors, who are encouraged to take PHY2049 (Physics 2 with calculus) or PHY2061 (enriched Physics 2 with calculus), both of which offer similar material but with more mathematical emphasis.

Course Description

Credits: 4; Prerequisites: PHY 2053 or the equivalent.
Second semester of introductory physics de-emphasizing calculus. Electric charge, fields and circuits; electromagnetism, applied electricity; geometrical optics, wave optics, applied optics; electrons and photons; atoms and nuclei. This course fulfills 4 credit hours of General Education P requirements and is a General Education State Core Course.

Course Objectives

By the end of this course, students will have improved their existing foundation in the concepts, principles, terminology, and methodologies used to describe interactions resulting from electric and magnetic fields, light, and the technologies which incorporate these phenomena in its design. Specifically, students will be able to:

1. **Analyze particular physical situations, and thus identify the fundamental principles pertinent to those situations to make successful predictions of system behavior,**
2. **Apply fundamental principles to formulate mathematical equations describing the relation between physical quantities in these particular situations,**
3. **Solve mathematical equations to find the values of physical quantities, and**
4. **Communicate unambiguously both the principles that apply to a situation and the results of specific calculations resulting from the steps above.**

Expected of Students

To achieve the learning outcomes, students are expected to:

- ***Read the weekly email containing the learning objectives and to plan your engagement with course content for the week ahead.***
- **Read the assigned chapters in the textbook and post to Perusall assignment prior to lecture.**
- **Attend and participate in scheduled lectures in the physics building. Regular attendance is expected.**
- **Work through the examples presented in the text in order to learn the physics concepts, principles, and problem-solving techniques of introductory physics.**

- **Complete homework assignments to self–assess your understanding of the chapter's concepts and problem solving strategies on a weekly basis.**
- **Attend discussion section meetings for group problem solving and small group instruction moderated by discussion section TAs.**
- **Complete weekly quizzes assessing your ability to solve a similar problem to those on homework assignments, evaluated by discussion section TAs.**
- **To seek help from your instructors and other students when specific content does not make sense, and to seek out additional practice when needed to gain mastery. The additional practice is included as optional assignments in the course.**
- **To seek help from university resources to support student success, which include use of peer tutoring (UF Teaching Center and Knack), peer mentoring, and wellness resources found at *http://studentsuccess.ufl.edu (Links to an external site.)***
- ***(Links to an external site.)* Physics is practiced and advanced by a scientific community of individuals with diverse backgrounds and identities and is open and welcoming to everyone. The instructional team recognizes the value in diversity, equity and inclusion in all aspects of this course. This includes, but is not limited to differences in race, ethnicity, gender identity, gender expression, sexual orientation, age, socioeconomic status, religion and disability. Students may have opportunities to work together in this course. We expect respectful student collaborations such as attentive listening and responding to the contributions of all teammates.**

Physics, like all human endeavors, is something that is learned. Our aim is to foster an atmosphere of learning that is based on inclusion, transparency and respect for all participants. We acknowledge the different needs and perspectives we bring to our common learning space and strive to provide everyone with equal access. All students meeting the course prerequisites belong here and are well positioned for success.
(Links to an external site.)
This course requires an extensive amount of time to do all of the above, and students should plan to spend 12 hours per week on course preparation and practice.

Expectations of Instructors

The instructional team consists of your instructors, teaching assistants (TAs). Our role is to develop a course where you can achieve the course objectives through your participation and interaction. Further, we pledge to:

- **Be accessible via email and respond to communication sent to the contact addresses listed in the contact info table located on this page.**
- **Design lectures and discussion section meetings which facilitate active learning through the use of examples and polling questions.**
- **Design assessments which evaluate your progress towards achieving the outcomes of the course.**
- **Provide communication through announcements to frame the course activities.**
- **Treat all students and members of the instructional team with respect.**
- **Recognize and celebrate everyone's unique identity and background and create an environment where everyone belongs!**

- **Affirm your ability to succeed in this course and provide assistance for everyone to access resources which enable each student achieve success.**
- **Adhere to course policies equitably and with fairness.**
- **Instructors may offer HW support to students via Learning Assistants(LAs) when LAs are available.**
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Lectures

Lectures offer instruction on the conceptual and problem solving topics covered by each weekly reading in the assigned textbook. The lectures may also expand in depth and focus upon the reading to include topics that the textbook author may have omitted. The lectures are designed to augment, not replace, the reading assignment.

Lectures are recorded, but not streamed. Links to view the recording will be posted on the Lectures and Schedule page. Your attendance is expected. Please make arrangements accordingly.

Recordings

This course will post recordings of lectures. The recordings are of the instructor and may capture audio from student questions. If you do not wish the back of your head to be seen in the recording, you should refrain from sitting in the first few rows of the lecture hall. Closed captioning is offered for students with DRC accommodations. Please make the request to the DRC to have this added to your accommodation letter. The turn-around for closed captioning if requested is 24-48 hours.

Students are allowed to record video or audio of class lectures. However, the purposes for which these recordings may be used are strictly controlled. The only allowable purposes are (1) for personal educational use, (2) in connection with a complaint to the university, or (3) as evidence in, or in preparation for, a criminal or civil proceeding. All other purposes are prohibited. Specifically, students may not publish recorded lectures without the written consent of the instructor.

A "class lecture" is an educational presentation intended to inform or teach enrolled students about a particular subject, including any instructor-led discussions that form part of the presentation, and delivered by any instructor hired or appointed by the University, or by a guest instructor, as part of a University of Florida course. A class lecture does not include lab sessions, student presentations, clinical presentations such as patient history, academic exercises involving solely student participation, assessments (quizzes, tests, exams), field trips, private conversations between students in the class or between a student and the faculty or lecturer during a class session.

Publication without permission of the instructor is prohibited. To "publish" means to share, transmit, circulate, distribute, or provide access to a recording, regardless of format or medium, to another person (or persons), including but not limited to another student within the same class section. Additionally, a recording, or transcript of a recording, is considered published if it is posted on or uploaded to, in whole or in part, any media platform, including but not limited to social media, book, magazine, newspaper, leaflet, or third party note/tutoring services. A student who publishes a recording without written consent may be

subject to a civil cause of action instituted by a person injured by the publication and/or discipline under UF Regulation 4.040 Student Honor Code and Student Conduct Code.
A FAQ about this UF policy is stated here. (Links to an external site.)

Discussion Sections

Discussion sections are class meetings where you will get small group instruction on how to answer physics problems, both numerical and conceptual. All students are assigned to attend a lecture period and a discussion section. A highly skilled TA will guide you through the problem solving process that will be helpful for you as you practice the homework problems on your own outside of class. You will also receive formative assessment feedback on your learning through weekly quizzes. The content of these quizzes are based on the problems assigned in homework and serve to assess not only the correct answer to quantitative problems, but also critique and provide feedback on how you justify your answer with an in-depth solution.
Discussion section meetings are not recorded or streamed. Participation points will only be awarded if students participate in group work. Participation is not awarded if you are not present and engaged. Therefore the minimum requirement to earn any extra credit participation points is to attend and offer substantive discussion towards the completion of the assigned tasks.
Practicing physics is the best way to learn it, and the apprenticeship model works quite well as you see how experts identify which physics principles are needed to obtain a correct solution. Review the Discussion Sections page for listing of meeting times.

Class Attendance and Missed Work
Attendance of lectures and discussion sections is required and counts from the first class meeting. Acceptable reasons for absence include: illness, serious family emergencies, special curricular requirements (e.g. judging trips, field trips, professional conferences), military obligation, severe weather conditions, religious holidays, court-imposed legal obligations, and participation in official university activities such as music performances, athletic competition or debate.
Absences due to circumstances listed above during scheduled quizzes or exams will necessitate you to request a makeup quiz or makeup exam following the procedures below. All requests for a makeup assessment requires documentation. For illness or medical emergencies, the only acceptable documentation for consideration is an excuse note from a healthcare provider indicating which dates you are unable to participate in school related activities. *Documentation merely indicating you visited a healthcare provider (whether in person or remotely) is not sufficient*. Unexcused absences are not entitled to makeup assessments. Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at this link (Links to an external site.).
Missed Discussion Quizzes: Students must request a makeup quiz from the discussion section TA, and if approved, sit the corresponding Makeup Quiz on the date noted on the course schedule (see Quizzes below for details.) Students must submit a written makeup quiz request to their discussion instructor no later than one week following the missed quiz. The

written request must contain documentation substantiating the request as specified in the course attendance policy. Students who cannot make the fixed Makeup Quiz date, must provide valid excusable absence to their TA within 3 days of the missed date. The TA will check the validity and then make available another time for sitting this makeup. An approved makeup for the final quiz must be completed prior to the first reading day for the semester.

Missed Discussion Group Problems: Students are not permitted to earn bonus participation points if they are not attending and participating in solving group problems during discussion sections. Instead of offering makeup discussion sections or providing alternate assignments, we include two dropped assignments into the calculation of the discussion section participation bonus. Students missing class for excused reasons are not permitted to makeup missed bonus opportunities. Note, that the bonus is not just attendance, but also awarded for your active participation during the class. This means that you should be prepared to work collaboratively in teams and contribute constructively to the assigned tasks. Students who attend without contributing to the group will not earn bonus participation points.

Missed Exams: Students missing an exam must notify the instructor *BEFORE* the beginning of the exam and provide documented evidence for a request for a makeup. Arrangements will be made to take a makeup exam as soon as possible for excused absences. The makeup exam will follow the same guidance given for the regular exam.

Missed Homework and Reading Assignments: Students have ample opportunity to complete available homework and reading assignments prior to the due date. There are no extensions or makeups for homework or reading assignments. Solutions to homework sets are posted immediately after the assignment is due to provide students feedback prior to the weekly quiz. Please plan your time accordingly.

Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at: https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx (Links to an external site.)

Office Hours

Visit your instructors for free help! We're the ones writing your exams and quizzes and have a good idea about how to help you succeed in this course. You may visit any of the TAs or LAs, not just the one teaching your discussion section. Please find someone you can go to for help. Office Hours will be held via zoom if a zoom link is provided in the contact information below, otherwise they are in person in NPB. Office hours Weekly Schedule (subject to changes):

Time	M	T	W	R	F
Period 2 8:30-9:20AM					
Period 3 9:35-10:25AM					
Period 4 10:40-11:30AM					

Period 5 11:45-12:35PM		Weatherford NPB 2142			
Period 6 12:50-1:40PM					
Period 7 1:55-2:45PM				Weatherford NPB 2142	
Period 8 3:00-3:50PM					
Period 9 4:05-4:55PM					
Period 10 5:10-6:00PM					

Contact Information for Instructional Team

Instructor	Phone	Email
Prof. Saab	352.392.4671	phy2054@phys.ufl.edu
Prof. Weatherford	352.392.8747	phy2054@phys.ufl.edu
(TA)	352.392.0521	Canvas mail
(TA)	352.392.0521	Canvas mail
(TA)	352.392.0521	Canvas mail
(TA)	352.392.0521	Canvas mail
(TA)	352.392.0521	Canvas mail
(TA)	352.392.0521	Canvas mail
(TA)	352.392.0521	Canvas mail
(LA)	[redacted]	Canvas mail
(LA)	[redacted]	Canvas mail

Grades and Assessments

Letter Grades are based on the sum of 7 assessment categories. The points awarded for each category is based on the total percentage of awarded points on the assignments within the assessment category as indicated below.

The canvas grading tool will calculate intermediate grades based on scores earned to date. This calculation is only meaningful if at least one score appears in each of the grading

categories. The What If tool can project how hypothetical scores affect the overall grade calculation according to the scheme used in calculating your final score.
Using the What If tool to place hypothetical grades in all grading categories will incorporate extra credit into an accurate grade calculation that matches the table below.

Assessment	Max Points	Calculation
Exam 1	25	25*(points awarded /15 max points)
Exam 2	25	25*(points awarded /15 max points)
Exam 3 (Final)	20	20*(points awarded /15 max points)
Discussion Section Quizzes	25	25*(your earned points/max quiz points). Drop 1 lowest quiz.
Homework	5	5*(your earned points/max hw points) Drop two hw scores**
Total	**100**	Sum this column
Discussion Section Participation Bonus	+2.5	2.5*(your total points/max points) Drop two lowest participation scores (as percentage)
iClicker Bonus	+2.5	2.5*(your total points/max points) Drop four iclicker sessions**
Maximum Score	**105**	This total includes all extra credit.

**** The assignments dropped within a grading category will vary for each student in order to produce a calculation of the highest possible grade.**
Letter grades will be reported to the Registrar at the end of the term corresponding to the total score and the minimum values to an accuracy of 0.01, following this grading scheme:

A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E
≥85.00	80.00	75.00	70.00	65.00	60.00	55.00	50.00	45.00	40.00	35.00	<35.00

Exams
There are a total of two during term exams, with the third exam at the end of semester serving as a cumulative final. The dates, times, chapter coverage and allowed materials are described on the exams page. Please place these exam dates and times in your calendar today.
The exam format is multiple choice and completed in person. Your exam may be in a different building/classroom for in person exams. You are responsible for checking your exam room assignment on the exams page. This is typically available ~1 week before the exam. If the Exam modality shifts to online for any reason, an announcement will be made in the course.
Unless superseded by a valid excuse a missed exam will result in a zero. Valid excuses are officially sanctioned UF events, medical excuses or family emergencies. Acceptable excuses require a coach's, doctor's or instructor sanctioned note with a verifiable contact phone

number. The documentation must be provided to your instructor within 24 hours of the exam. A valid excuse will allow you to take a make-up exam.
Students who need accommodations due to a registered disability must carry out the DRC procedures described below.

Reading Assignments

A graded reading assignment is due prior to each lecture. The lecture builds upon what students have learned from the assigned reading and therefore completion of these reading assignments is graded. For the syncing of grades to occur (i.e. to get credit) access the assignments by clicking on the assignment name in Canvas. Accessing the reading any other way will not allow your scores to sync.
To earn a grade, students must add thoughtful annotations, questions, and responses to the reading assignments using Perusal. The assignments are graded according to the quality, frequency, and value added by the context of each annotation and response to others' annotations. There are no extensions granted, as the reading is due prior to the accompanying lecture period. You can complete the assignment any time up until the day of the lecture. Feel free to read ahead!
Your reading assignment grade = 5 * (total earned points / max points). Two of the lowest scoring (by percentage of total points earned per assignment) reading assignments are dropped at the end of the semester.

Quizzes

A quiz in your discussion section is typically based on (though not identical to) a homework problem from the homework turned in Monday of that week. The particular problem given in each discussion section is chosen at random and thus its difficulty will vary throughout the semester. Quiz numbering corresponds to HW numbering. Quizzes are given only on Tuesday or Wednesday. Two diagnositic quizzes, each worth 2 points, are given at the beginning and end of the semester, and serve as diagnostic tools to evaluate your overall conceptual knowledge of electricity and magnetism. The first quiz is scored based on completion of the quiz at the assigned time and while proctored by your TA. The final quiz is scored based on your question performance while proctored by a TA in your discussion section. Quizzes will not be assigned during exam weeks, and the Quiz time will be used by your TA to help you review for the exam.
Approved make-ups for missed quizzes will take place according to the absence and makeup policy stated above. The documentation must be provided to your TA within 1 week of the missed quiz or a rational reason for the delay in providing documentation must be e-mailed along with the projected receipt date of the documentation to your TA within that period. All quizzes must be made up within two weeks of the missed quiz, with the exception of the makeup of the final quiz, which must be completed before the first scheduled reading day. The Makeup Quiz is to be taken on the second Tuesday from the missed quiz at 8.30 pm in NPB 2165. The makeup quiz dates are shown on the course calendar.
Students who cannot make the fixed Makeup Quiz date, must provide valid excusable absence to their TA within 3 days of the missed date. The TA will check the validity and then make available another time for sitting this makeup. We expect very few students to fall in this category.

Your quiz grade = 25 * (total quiz points / max points). The lowest quiz score (evaluated as a percentage of points earned) will be dropped. Only one quiz will be dropped from the calculation.

Homework

Homework is based on the MasteringPhysics online homework system and assignments are due Mondays at 12 noon ET (see schedule). Each student gets a unique set of numbers for each problem. Because of the length of time each homework set is available, there are *no extensions* on the homework. You are strongly encouraged to start entering your answers well ahead of the deadline to avoid possible technical problems that might occur on the day the homework is due. If an unforeseen technical difficulty like a down internet connection or computer virus causes you to miss the deadline, you will not receive credit for the unfinished work.

Please note: Scores do not sync immediately with Canvas. Weekly homework scores are synced to Canvas a few days after the homework deadline has passed.

Your homework grade = 5 * (total homework points / max points). Two of the lowest scoring (by percentage of total points earned per assignment) homework assignments are dropped at the end of the semester.

Homework and academic honesty: While we encourage students to discuss homework problems with one another, we regard it as a breach of academic honesty to get homework solutions or algorithms external sources, including websites or companies that give away or sell such solutions or algorithms (this is stated explicitly in our course Academic Honesty policy found below).

Discussion Section Participation Bonus

Discussion sections are designed to promote collaborative group problem solving while practicing the skills necessary to become successful in solving physics problems on your own. To reward your efforts, your discussion section TA will award weekly participation bonus points for your collaborative work in solving problems assigned to your group. On non-quiz days, students will work through collaborative group problem solving exercises. These problems require productive and focused application of what you have learned from reading the textbook and reviewing the lectures. You will be assigned to a small group, with each group receiving a problem to solve together. TAs will monitor attendance, evaluate your level of participation in the group and answer questions, as well as facilitate your discussion by asking specific students in the group to explain or justify decisions made by the group in arriving at a solution.

As a participant you must have thoughtful discussion and engagement to be eligible for the participation bonus. The points are individual and the entire group does not necessarily get the same participation points.

Each week, you may earn points based on your participation and group's success. These points will sum over the course of the semester and will determine your individual participation bonus. This bonus will be added to your overall course grade. Your discussion section instructor will have details for showing evidence of participation.

Your participation bonus = 2.5 * (total earned participation points / max points). Two discussion participation bonus meetings will be dropped from this calculation at the end of the semester.
You can't makeup missed participation bonus points with a group, nor complete alternate assignments to replace missed bonus points. You must be able to join the session at the meeting time arranged. Remember, this is not a course requirement, but an encouragement to participate in these meaningful exercises to gain both feedback and confidence in your problem solving ability.

iClicker Participation Bonus

Students will use free access to iClicker Cloud to submit responses to formative feedback questions during lectures. Each question provides students the opportunity to earn maximum of two points based on submitting a response (one point) and submitting a correct response (a second point).
Four iclicker session scores are dropped to allow for absences, broken devices, late answers, technology issues, etc. *However, to receive credit for your responses, your iClicker account must be linked to your Canvas course.* Instructions for completing this linking is detailed in a later section of this syllabus. The deadline for completing a successful iClicker sync is the last day of class (prior to reading day). Students not completing an iClicker sync before this deadline forfeit their extra credit points. If you do not see iClicker session scores in Canvas Grades, then you have not completed the sync successfully and must try again. Please see the iClicker page regarding syncing your account with this course and contacts for iClicker customer service support.
You are responsible for maintaining the functioning of your device, including its connection to the internet. No credit will be given for questions if you forget your mobile device or your mobile device battery is dead or you do not respond to the question in the allotted time.
Your iClicker bonus = 2.5 * (total earned points / max points).

Ungraded "Additional Practice" Assignments

You will find assignments offering additional practice for students called "Additional Practice X". These are not counted in your course grade and exist to encourage you to practice physics prior to exams, or as an opportunity for remediation. There is a deadline for the assignments at the end of the semester after the exam is completed, but they are not required to be completed.

Dropped Assignments

Dropped Assignments : A combination of planned and unforeseen factors may cause you to miss some classes or discussion sections, additionally, it is likely for most of us to have a bad day or week (for any number of reasons) during the semester. To accommodate this reality, we drop the lowest scoring assignments as a "make-up" policy for excused and unexcused absences to accommodate circumstances that may arise throughout the semester that may hinder your performance in the online HW and the discussion section quizzes. Homework, discussion participation bonus, and iClicker bonus assignment categories include dropped

assignments as stated above, and discussion quiz will permit one dropped assignment. No exam will be dropped.
Note: The calculation of which assignments to drop in each category is performed *so that the dropped assignments yield the highest possible student grade*. As you might imagine, this means it will not necessarily be the assignments with the lowest percentage score. This will be true in the Homework and iClicker categories since these categories are include assignments with non-uniform total point values. For more details of examples and the calculations performed to determine the dropped assignments, see the paper Kane, D. and Kane, J (2006). *Dropping Lowest Grades* (Links to an external site.).

Canvas

The lectures notes (pre and post lecture) will be linked from the Schedule. Exam solutions will be linked from the Exam Information. Scores on homework, exams, and quizzes will be posted in the Grades section. Occasional announcements may be sent by your instructional team. You are expected to read all announcements.

iClicker Setup

You are required to participate with the iClicker Cloud app on a smartphone, tablet or laptop. It is your responsibility to follow the steps below to properly register your iClicker account in a timely fashion. It is also your responsibility to regularly check your iClicker records for any discrepancies.
In order to participate in iClicker activities and ensure that your grades are properly reflected in the gradebook, follow the steps below:
In order to participate in iClicker activities and ensure that your grades are properly reflected in the gradebook, follow the steps below:
1. If you have an existing iClicker student account that uses an official university email address and/or Student ID, you will automatically get added to the iClicker course.

If the iClicker system does not find a matching iClicker student account, you will receive an email from iClicker Support with instructions to create a new account (Links to an external site.) or update your existing account's profile (Links to an external site.). Please note that this email may appear in your Spam or Junk folders.

If you receive an email prompting you to update your iClicker account, you will need to sign in to iClicker and modify your profile information. If you already have an iClicker account, do not create a new account. Instead, edit your existing account's profile (Links to an external site.) to avoid confusion and potential loss of points due to multiple accounts.
If you do not already have an iClicker student account, click "Sign Up" and create an account
If you have never used the iClicker student app, click Sign Up! and follow the steps to create an iClicker student account (Links to an external site.), making certain to use a university email address and UFID.

When you have finished creating your account, sign in to the iClicker student app to establish the connection with your Canvas or Blackboard account.

2. Set up the device(s) you'll use to participate in our synchronous lectures.

- **You can download the iClicker cloud app via the App Store or Google Play, or you can use iClicker on your laptop.**
- **If you have multiple devices, I recommend accessing our virtual class using your computer and participating in the iClicker questions using your mobile device.**
- **If you only have one device, you can open up a new tab in your web browser for iClicker cloud, or switch back and forth between our virtual class and the iClicker cloud app.**

3. Now the fun part! Participate in iClicker class activities.

- **When it's time for class, make sure you have selected this course from the main screen of your iClicker cloud account.**
    - **When the instructor starts a class session in iClicker, select the Join button that appears on your screen, then answer each question asked in iClicker cloud.**
    - **For short answer, numeric, and target questions, make sure you select Send.**

4. Review your work in iClicker cloud.

- **You can review your grades, performance, and participation in iClicker cloud.**
- **Grades will be synced from iClicker cloud to Canvas on a regular basis. Please allow a week after lecture for the sync to occur. If you do not see scores in Canvas, you have not successfully completed step 1 above. The deadline for completing step 1 above is the last day of class for this semester (prior to reading days), but you are strongly advised to complete step 1 in the first two weeks of the semester.**

Academic Integrity Information

iClicker activities are academic activities and fall under the provisions of our student code of conduct. Students must not engage in academic dishonesty while participating in iClicker activities. This includes but is not limited to:

- **Having another student participate for you**
- **Using more than one iClicker account at a time**
- **Distributing clicker questions and/or answers to questions through communication channels including, but not limited to GroupMe, email, Canvas Conversations, etc.**

Any student found to be in violation of these rules will lose their iClicker points for the entire term and may be reported to SCCR as a violation of the UF Student Code of Conduct.

Need help with iClicker cloud?

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    - **If you are having issues connecting to iClicker cloud, check out these iClicker cloud connectivity tips (Links to an external site.)**
    - **If you are having issues seeing your iClicker cloud points, use this troubleshooting guide (Links to an external site.) .**
    - **Find answers to many of your questions and contact the iClicker Tech Support Team by visiting com/support (Links to an external site.) at any time.**
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Proctored Exams and Quizzes

In order to maintain a high standard of academic integrity and assure that the value of your University of Florida degree is not compromised, course exams and weekly quizzes will be proctored.

- **You are not permitted to discuss the contents of the exam following its administration.**
- **You are not permitted to receive any information prior to taking the exam about the exam contents.**
- **You may only utilize resources expressly permitted during the exam.**
- **Sending exam or quiz questions to anyone is a violation at all times.**

Violation of any of these conditions is academic misconduct and are dealt with according to the protocols for reporting Honor Code violations. This is your only warning and if you have questions about whether an action constitutes a violation, you should consult your instructor *prior* to following the course of action in question.

Mastering Physics

Homework is delivered and scored using MasteringPhysics. You gain access to the system with the purchase of your ebook access when using the UF All Access program, as documented here. You MUST participate in the UF All Access program. There is no other way to gain access to the homework system. Pearson office hours on campus during the first week of term offers troubleshooting help.

You can access your homework assignment by clicking on a homework assignment listed on the Assignments page, from the ToDo list, or from MyLab and Mastering in the sidebar.

Details about Homework Assignments, Grading, and Late Policy

- **You have five attempts to get the correct answer. To get credit your answer must be correct within 2% and you must enter at least three significant digits.**
- **Multiple choice and True/False question types. The points you can earn for correct submissions decreases by a constant amount for each attempt. The decrease per step is 100% / ($N_{options}$-1). Thus for a 5 part multiple choice question, the decrease in value is 25% per attempt.**
- **There are no extensions on homework assignments.**
- **Additional Ungraded Practice Assignments are available within MasteringPhysics. These are found in the Assignments section, but note they do not appear in your To-Do list since that is driven by deadlines. These additional practice assignments are not required. However it is wise to use these extra problems as an evaluation tool of your problem solving skill, as students report every semester that solving problems in addition to the assigned homework is the most beneficial way to improve exam performance.**

Students are permitted to work together on homework assignments, however the answers you submit for grading must be obtained through your own effort and representative of your understanding.

Schedule

Information about the exams (chapters covered, times, allowed materials, etc.) can be found on the Exams page.

Week	Monday	Tuesday	Wednesday	Thursday	Friday
1	**8/22**	**8/23**	**8/24**	**8/25** Introduction, Observations from Static Electricity	**8/26**
			No Discussion Section	**Only Attend Lecture Today**	**No Discussion Section**
2	**8/29**	**8/30** Ch 20:1-3 Electric Forces	**9/31**	**9/1** Ch 20 4-5 Electric Fields	**9/2**
	First Week of Discussion Sections Quiz 0 (MW)	Quiz 0 (TR)	Quiz 0 (WF) Group Problem 0 (MW)	Group Problem 0 (TR)	Group Problem 0 (WF)
3	**9/5** **Labor Day Holiday**	**9/6** Ch 20 6-7 Conductors and Insulators in Fields	**9/7**	**9/8** Ch 21 1-3 Electric Potential and Electric Potential Energy	**9/9**
	HW 1	Quiz 1	Quiz 1	Group Problem 1 (TR)	Group Problem 1 (WF)
4	**9/12**	**9/13** Ch 21 4 V due to Point Charge(s)	**9/14**	**9/15** Ch 21 4-6 ΔV and Electric Fields, Capacitors, Equipotential Surfaces	**9/16**
	HW 2 Group Problem 1 (MW)	Quiz 2 Makeup Quiz 0	Quiz 2	Group Problem 2	Group Problem 2
5	**9/19**	**9/20** 21.7-21.8 Capacitors, Dielectrics, Energy in Capacitors	**9/21**	**9/22** 22.1-22.3 Currents and EMF	**9/23**
	HW 3 Group Problem 3	Quiz 3 Makeup Quiz 1	Quiz 3	Group Problem 3	Group Problem 3
6	**9/26**	**9/27** 22.4-22.6 Ohm's Law, Resistance, Power	**9/28**	**9/29** 23.1-23.4 Circuits, Kirchhoff's	**9/30**

Week	Monday	Tuesday	Wednesday	Thursday	Friday
		and Energy		Laws, Resistors in Series and Parallel	
	HW 4 Group Problem 3	Quiz 4 Makeup Quiz 2	Quiz 4		
7	**10/3**	**10/4** 23.5-23.6 Multiloop; Capacitor Arrangements	**10/5**	**10/6** 23.6-23.7 RC Circuits	**10/7** **Homecoming Holiday**
	HW 5 **Exam 1**	No Quiz Makeup Quiz 3	No Quiz		
8	**10/10**	**10/11** 24.1-24.4 Magnetic Fields	**10/12**	**10/13** 24.5-24.6 Magnetic Forces	**10/14**
	HW 6	Quiz 6 (on HW6) Makeup Quiz 4 Makeup Exam 1	Quiz 6 (on HW6)	Group Problem 6	Group Problem 6
9	**10/17**	**10/18** 24.7 Torques from Magnetic Fields	**10/19**	**10/20** 25.1-25.2 Motional emf	**10/21**
	HW 7 Group Problem 6	Quiz 7	Quiz 7	Group Problem 7	Group Problem 7
10	**10/24**	**10/25** 25.3-25.4 Faraday's and Lenz's Laws	**10/26**	**10/27** 25.5-25.7 EM Waves; EM Spectrum	**10/28**
	HW 8 Group Problem 7	Quiz 8 Makeup Quiz 6	Quiz 8	Group Problem 8	Group Problem 8
11	**10/31**	**11/1** 17.1-17.2 Superposition, Double Slit Interference	**11/2**	**11/3** 17.3-17.4 Diffraction Gratings, Thin Films	**11/4**
	HW 9 Group Problem 8	Quiz 9 Makeup Quiz 7	Quiz 9	Group Problem 9	Group Problem 9
12	**11/7**	**11/8** 18.1-18.3 Reflection & Refraction, Dispersion	**11/9**	**11/10** 18.4-5,7 Apparent depth; images from thin lens; principal rays	**11/11** **Veterans' Day Holiday**

Week	Monday	Tuesday	Wednesday	Thursday	Friday
	HW 10 Group Problem 9	No Quiz Makeup Quiz 8	No Quiz **Exam 2**		
13	**11/14**	**11/15** 18.6-7 Images from spherical mirrors; principal rays	**11/16**	**11/17** 19.1-19.4 Optical Instruments: Eye, Microscope	**11/18**
	HW 11	Quiz 11 Makeup Quiz 9 Makeup Exam 2		Group Problem 11	Group Problem 11
14	**11/21**	**11/22** **No Class**	**11/23 - 11/26** **Thanksgiving Holiday**		
		No Quiz			
15	**11/28**	**11/29** 30.1-30.4 Fundamental Forces of Nature, Nucleus Stability, and Decay Modes	**11/30**	**12/1** 30.5-30.6 Decay Rates and Radiation	**12/9**
	HW 12 Group Problem 11	Quiz 12 Makeup Quiz 11	Quiz 12	Group Problem 12	Group Problem 12
16	**12/5**	**12/6** Review/Overview	**12/7**	**12/8** **Reading Days**	**12/9** **Reading Days**
	HW 13 Group Problem 12	No Quiz Makeup Quiz 12	No Quiz		
17	**12/12**	**12/13**	**12/14**	**12/15**	**12/16**
		Exam 3 (12:30-2:30pm)			

Academic Honesty Policy and Honor Code

We go to great lengths to ensure that our Physics course is administered fairly, by setting clear goals (what is needed to attain each grade) at the outset, by providing materials (lectures, applets, homework, office hours, reviews) to help you reach those goals, and by assessing progress towards those goals using easily understood procedures (exams, quizzes, online homework). We pledge to do the best job we can to make the material understandable and to bring out the best in every student.

Course Policy on Academic and Personal Integrity

Maintaining the integrity of the grading process is paramount to submitting grades reflective of the assessed learning outcomes. Accordingly, we take a very hard line on cheating in any form where actions may provide an academic benefit for yourself or others, including

1. **Providing or copying answers on exams or quizzes**
2. **Taking an exam or quiz for another student**
3. **Entering online homework answers for another student**
4. **Discussing, distributing, or copying exam or quiz questions prior to its release.**
5. **Obtaining course homework solutions or software algorithms from external sources, including web search engines and websites or companies that give away or sell such solutions or algorithms.**

Any person caught cheating in any form will be referred to Student Conduct and Conflict Resolution as violating the UF Code of Conduct with the sanction of a grade of E in this course without possibility of drop. **Furthermore, we expect students to not tolerate cheating of any kind and to report incidents to your instructors.**

Honor Code

The Dean of Students Office website (Links to an external site.) has a detailed discussion about academic honesty and the University of Florida Honor Code, which was adopted by the Student Council. The Honor Code says

We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment."

Disability Services

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the Disability Resource Center by visiting the Get Started page. It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester. Requesting an accommodation letter to be sent to instructors via the course email address (phy2054@phys.ufl.edu) is sufficient for receiving accommodations, as long as the letter is received *at least three working days* prior to the deadline for assessments. Letters received less than three working days before the assignment deadline will have the accommodations applied for the next and subsequent assessments.

Exams: Students requesting accommodations on exams must complete the testing center ATR prior to the four-business day deadline, as described on the DRC website. The start time for

the assembly exams will be based on your accommodation for extended time according to the table below

Accommodation	Assembly Exam Start Time
1.5x	7:15pm
2.0x	6:15pm
2.5x	5:15pm

Discussion Section Quizzes: Students with less than 1.5x extended time may elect to take the quiz at the nominally scheduled time in discussion sections, inquire with your TA about these arrangements if it works for you. Alternatively, complete an ATR for a proctored quiz at the DRC. Students with accommodations of 2.0x or greater must complete an ATR for each quiz and submit before the testing center deadline. All ATRs for testing center quizzes must be scheduled on the same day as the student's discussion section meeting. The time of the appointment is your choice and may occur either before or after your discussion section meeting.

Accommodations are not retroactive, therefore, students should contact the DRC office as soon as possible in the term for which they are seeking accommodations.

Failure to send a current accommodation letter before the three working day deadline is not a permitted excuse for taking a makeup exam.

Online Course Evaluation

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at gatorevals.aa.ufl.edu/students/ (Links to an external site.). Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via ufl.bluera.com/ufl/ (Links to an external site.). Summaries of course evaluation results are available to students at gatorevals.aa.ufl.edu/public-results/ (Links to an external site.)

Campus Resources and Student Success

Health and Wellness

U Matter, We Care:
If you or a friend is in distress, please contact umatter@ufl.edu or 352 392- 1575 so that a team member can reach out to the student.
Counseling and Wellness Center: http://www.counseling.ufl.edu/cwc/Default.aspx, 392-1575; and the University Police Department: 392-1111 or 9-1-1 for emergencies.
Sexual Assault Recovery Services (SARS) Student Health Care Center, 392-1161.
University Police Department, 392-1111 (or 9-1-1 for emergencies). http://www.police.ufl.edu/ (Links to an external site.)
UF Student Success : For improving study skills to connecting with a peer tutor, peer mentor, success coach, academic advisor, and wellness resources, go to http://studentsuccess.ufl.edu (Links to an external site.)

Academic Resources

E-learning technical support, 352-392-4357 (select option 2) or e-mail to Learning-support@ufl.edu. https://lss.at.ufl.edu/help.shtml.
Career Resource Center, Reitz Union, 392-1601. Career assistance and counseling. http://www.crc.ufl.edu/
Library Support, http://cms.uflib.ufl.edu/ask. Various ways to receive assistance with respect to using the libraries or finding resources.
Teaching Center, Broward Hall, 392-2010 or 392-6420. General study skills and tutoring. http://teachingcenter.ufl.edu/
Writing Studio, 302 Tigert Hall, 846-1138. Help brainstorming, formatting, and writing papers. http://writing.ufl.edu/writing-studio/
Student Complaints: https://www.dso.ufl.edu/documents/UF_Complaints_policy.pdf