**Course Syllabus**

**San José State University**

**College of Science, Department of Physics and Astronomy**

**Physics 2A: Fundamentals of Physics – Spring 2016**

**Welcome to Physics 2A!**

<table>
<thead>
<tr>
<th>Lecture:</th>
<th>Fridays 7:30–8:50 am, Science Building 142</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lab Sections:</td>
<td>Lab Sections meet twice per week (see table below). You must attend both meetings.</td>
</tr>
<tr>
<td>Prerequisites:</td>
<td>Algebra</td>
</tr>
<tr>
<td>(Recommended: Geometry &amp; Trigonometry)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Required: You must purchase a 3-ring binder for the lab book and other course materials</td>
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<tr>
<td></td>
<td>Required: iClicker (<a href="http://www.sjsu.edu/at/ec/iClicker/">http://www.sjsu.edu/at/ec/iClicker/</a>) or REEF polling (<a href="http://www.sjsu.edu/at/ec/reef/index.html">http://www.sjsu.edu/at/ec/reef/index.html</a>) account</td>
</tr>
<tr>
<td></td>
<td>Optional: Openstax College Physics (Free Online) (<a href="http://openstaxcollege.org/textbooks/college-physics">http://openstaxcollege.org/textbooks/college-physics</a>)</td>
</tr>
</tbody>
</table>

In this course, we will explore fundamental physical phenomena, like freezing things or moving objects. Instead of "covering" topics and "presenting facts," we will make sense of these phenomena together using tools that physicists use: models.

Using what we know today about how people (including scientists!) learn, we have structured this course around collaborative discussion ("lab") sections. In these sections, you will participate in various types of activities, experiments, and discussions in smaller and bigger groups. Between lab meetings, you will practice, reflect, and prepare by doing homework assignments that we will elaborate together in the lab sections. The lecture is designed to allow all of us to get together as a community to reflect on what you experienced in the lab sections.

Research in the learning sciences tells us that learning in isolation is difficult, if not impossible. Furthermore, future employers value collaboration skills and rarely evaluate employees solely on their individual performance. We think that people learn and perform best when they work together. Therefore, we not only have designed the course materials to rely heavily on your collaboration with each other (and with us instructors), but we will also use an assessment system that relies on your collaboration with your peers: Every assessment component (i.e., participation, quizzes, exams) will have a collaborative component, in which we ask you to work with classmates to solve problems. More details will be explained in a later section of the syllabus and in class.

**Instructor and Section Information**

<table>
<thead>
<tr>
<th>Instructor:</th>
<th>Class Taught:</th>
<th>Email:</th>
<th>Telephone:</th>
<th>Office Location:</th>
<th>Office Hours:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Benedikt Harrer</td>
<td>Lecture</td>
<td><a href="mailto:benedikt.harrer@sjsu.edu">benedikt.harrer@sjsu.edu</a> (<a href="mailto:benedikt.harrer@sjsu.edu">mailto:benedikt.harrer@sjsu.edu</a>)</td>
<td>(408) 924-5284 (email preferred)</td>
<td>SCI 322</td>
<td>TBA</td>
</tr>
<tr>
<td></td>
<td>Fri 7:30–8:50</td>
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<tr>
<td></td>
<td>SCI 142</td>
<td></td>
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</tr>
<tr>
<td>Annie Chase</td>
<td>Lab Sec 11</td>
<td><a href="mailto:annie.chase@sjsu.edu">annie.chase@sjsu.edu</a> (<a href="mailto:annie.chase@sjsu.edu">mailto:annie.chase@sjsu.edu</a>)</td>
<td>N/A</td>
<td>SCI 233</td>
<td>TBA</td>
</tr>
<tr>
<td>Madison McGowan</td>
<td>Tue, Fri 10:30–12:50</td>
<td><a href="mailto:madisonorrock@gmail.com">madisonorrock@gmail.com</a> (<a href="mailto:madisonorrock@gmail.com">mailto:madisonorrock@gmail.com</a>)</td>
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Official Course Description

First Semester of a two-semester sequence that is non-calculus based and covers the topics of mechanics, heat, and sound.

Course Webpage

All course materials such as syllabus (this page), handouts, notes, assignment instructions, etc. can be found on the Canvas learning management system course website. You are responsible for familiarizing yourself with assignments and due dates as listed on this site. Make sure that the email address that you have attached to canvas is one you check regularly, as we will use the Canvas notification system to communicate with each other.

Course Format

This course adopts an "interactive engagement" format, meaning that you will be actively participating in lectures and labs. In lecture, we will be using REEF Polling as
an in-class student response system. REEF Polling gives everyone a chance to participate in such a large class. Participation with REEF Polling will account for a large portion of your participation grade, which represents 10% of your overall grade (see below).

Device Options:

You will have several options available to participate in clicker sessions:

- The REEF Polling App allows you to use your smart phone or other mobile device in class as a clicker to participate.
- Alternatively, you can request to borrow a Clicker remote from eCampus for free. Remotes are to be returned to eCampus at the end of the semester.

How to Request REEF Polling for smart phone users:

Please visit http://tinyurl.com/sjsuclicker and fill out the request form. You will be contacted by eCampus with further instructions.

How to Request a Clicker Remote:

Send an email to eCampus@sjsu.edu and request to loan a Clicker remote. Further instructions will be provided to you by eCampus when scheduling a pickup.

Learning Outcomes and Course Goals

GE/SJSU Studies Learning Outcomes

Upon successful completion of this course, students will be able to:

- LO1: construct a logical argument based on evidence
- LO2: communicate scientific ideas to peers and faculty

Course Content Learning Outcomes

Upon successful completion of this course, students will be able to:

- LO3 relate elements of physics to other sciences
- LO4 successfully engage in written problem solving
- LO5 apply basic physics concepts related to the course topics

Required Texts/Readings

Textbook

You do not have to purchase a book for this class. All required texts are available on this Canvas website: Selected chapters from "College Physics: A Models Approach I & II" and the Physics 2A Lab Manual.

If you're interested in a supplementary text, you may use the free online Physics textbook at Openstax. You can also use other online sources or any algebra-based, introductory college physics book. However, the models we will use in our course are usually not used in these other textbooks.

Other equipment / material requirements

You must purchase a 3-ring binder for the lab manual. We encourage you to put any notes you take during lab or lecture into this binder, as well. This is very important because this binder will be your reference book in this course (since we don't have an official textbook).

You must also have an iClicker or REEF polling account. Instructions for obtaining this (for free) are discussed under course format above.

Assignments and Grading Policy

Grading Scheme

We will follow the course grading scheme below (and on the right of this page). If you do better on the final exam than you do on the midterm, your final exam grade will replace your midterm grade. This allows you to improve a poor performance on the midterm.

However, the final exam will be comprehensive and include everything we've talked about during the semester, so it may be difficult to do better on the final than the midterm. Therefore, you should not rely on this policy to save you from failing the course. One exception to the replacement rule is that you may NOT replace a zero on the midterm.

If you have an emergency that makes it impossible for you to attend the midterm exam, verification is required (example: doctor's note), and university policy will be strictly followed.

Note: the above grading scheme will not apply if you are not a regular student in this course. The grading scheme for those cases is discussed under the heading "Lab."
Note that if you fail the lab, you will automatically fail the course, regardless of what you earn in lecture. The lab grading scheme is discussed under the heading “Lab,” and all homework is a part of your lab grade. This class will not be curved.

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<tbody>
<tr>
<td>Quizzes</td>
<td>30%</td>
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<tr>
<td>Cumulative Midterm</td>
<td>30%</td>
</tr>
<tr>
<td>Participation</td>
<td>10%</td>
</tr>
<tr>
<td>Cumulative Final Exam</td>
<td>30%</td>
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Participation

You will either be using clickers or a polling system through your mobile device for this course (see above). I will ask questions during class and you will get credit for answering them and participating in the ensuing discussion. Since science doesn't have "right" or "wrong" answers, I will always award points when you participate in a clicker poll (there won't be "right" or "wrong" answers). I may offer other opportunities for participation points, either via Canvas or in class.

Quizzes

We will have six graded 25–30 minute quizzes during lecture time (i.e., on Fridays), with ungraded practice quizzes in the “off weeks.” The quiz schedule is posted below, but subject to change with reasonable notice.

Midterm

One of the main purposes of the midterm is to give you an idea of the format of the final. The midterm for this class will be Friday, March 18th, at 7:30 am in lecture. This will take the entire class period.

Final Exam

The final exam for this course will be Monday, May 23rd 7:15-9:30am in our lecture classroom, Science 142. You will not be able to take the exam early or late.

IF YOU CANNOT ATTEND THE FINAL EXAM DO NOT TAKE THIS COURSE!!!

If you have an emergency that makes it impossible for you to attend the final exam, verification is required (example: doctor’s note), and university policy will be strictly followed.

Extra Credit

There is no extra credit for this course. This is final and there are no exceptions.

A Note on Written Assessments (incl. Quizzes)

I already mentioned that collaboration and group work is an essential part of being successful in this course. Therefore, all written assessments (including all quizzes) will contain a collaborative part. Typically, you will be asked to work on your own on a first part of the exam, and then you will work on a second part of the exam in a small group of students. Your grade on each of the graded exams will be determined by averaging the scores of the individual and group parts. You'll see how this works during out first practice quiz on Fri, 2/5/2016.

Discussion Lab

Every student must pass the lab during the same semester as the lecture course. If you fail the lecture or the lab you will have to repeat both. In lab you will be graded on your completion of the homework, and your participation and leadership in the group activities. Your lab grade will be incorporated into your overall course grade in the following way:

High Pass (HP) Your course grade is multiplied by 1.05 (increased by 5%)
- Must not have missed more than 1 homework assignments
- Must show consistent effort and leadership on a daily basis in class
- Class is better when you are there!
- The level of effort required to achieve a HP is so high that usually only 1 or 2 students per lab earn a HP.

Mid-Pass (MP) Your course grade is multiplied by 1.03 (increased by 3%)
- Must not have missed more than 2 homework assignments
- Must consistently be on task, and assisting group-mates during class on a daily basis
- Your group does better when you are there!
- The level of effort required to achieve a MP is high enough that usually only 3-5 students per lab earn one.

Pass (P) Does not change your Course grade
- Complete homework
- Participate in class and show consistent effort
- The majority of students will most likely receive a P

Low Pass (LP) Your course grade is multiplied by 0.93 (decreased by 7%)
You will receive a LP if any of the following apply for you:

https://sjsu.instructure.com/courses/1188411/assignments/syllabus
• Miss 4 or more homework assignments
• Achieve an average homework score below 75%
• You are not consistently showing effort in class

**Fail (F) This means you've failed the lab, and thus also the course.**
• Miss 5 or more homework assignments
• Achieve an average homework score below 65%
• You are not consistently showing effort in class

**Homework**

**There will be homework due before every Discussion Lab meeting.** All homework assignments are posted on the canvas webpage, and all homework is due electronically. Homework MUST be scanned or photographed and uploaded to canvas a minimum of 2 hours before your lab meeting (your lab instructor may require an earlier due time). If you do not have access to a camera, smart phone, or scanner, scanners for public use are located in the Periodicals section of the Lower Level and at 2nd Floor Reference of the King Library. These scanners are used on a first-come-first-served basis, so please plan ahead. The deadlines for each homework assignment will be posted on the canvas webpage.

In general, each homework assignment will be graded complete (2 pts), partially complete (1 pt), and below expectation or missing (0 pts). There will be no intermediate grades.

Students who earn a ‘complete’ grade (2 pts), have met expectations; they have completed their homework carefully and thoughtfully, and have made an effort to show that they understand the material. While we are not looking for “right answers,” for homework assignments to receive a ‘complete’ grade, it is imperative to explicitly state your assumptions and create an argument for your response.

Students who earn a ‘partially complete’ grade have shown some thoughtfulness but have not made an effort to show the instructor that they understand the material; work may be messy or incomplete, assumptions may not be stated, an argument may not be convincing.

Students who do not show work but only provide final results to calculations or simple statement “answers” will earn no greater than a ‘partially complete’, and may earn zero points for the assignment.

Students who do not attempt some portion of the problems will earn a below expectation or missing grade of zero. If an assignment is going to be graded differently than stated above, your lab instructor will notify you ahead of time.

I strongly encourage you to work together on your homework. That said, mindless copying does not count as collaboration and will not be tolerated. You must be able to understand and defend anything you write on your assignment. There are spaces in the library for group work that you can reserve in advance. Instructions for how to do so can be found here.

**Homework Tip 1:** If you are stuck on a problem, do not leave it blank! Write the things you’ve tried, the questions you have, and why you can’t continue. If you can show that you’ve made some thoughtful progress, you will receive credit.

**Homework Tip 2:** Sometimes it’s easy to forget what you were thinking when you look back at old assignments. That’s part of why we’re asking you to be very explicit in providing your reasoning and argumentation. This can be as easy as annotating your homework with your own notes on your thought process before you turn it in. This will help graders understand what you are thinking, and it will give you an excellent study guide later.

**How to succeed in this course**

The critical thinking and communication skills you will learn and use in this class will help you regardless of your future career path. The physics principles you learn in this course apply to your other science courses, and we will help you make those connections. But more importantly, the process of coming up with creative solution strategies and creating sound arguments for a response to a question is essential for any scientific and technical profession. We will do everything we can to help you succeed, but we cannot learn the material or practice problem-solving skills for you. Therefore, it is essential that you take responsibility for your own learning process.

San José State University recommends 2 study hours per week per unit. This means that you should schedule at least 8 hours of time outside of class each week for doing physics. We strongly suggest breaking this up into at least three different chunks so that you are devoting some time (ideally) every day to physics. If you’ve done poorly in a math class before, or if you have never had high school physics, you will find that you will need to invest more time than that. If you miss class, you should schedule an additional 2-3 hours to cover on your own what you missed. Coming to office hours will help, but is not a substitute for coming to class. Studying and problem-solving in groups is essential to successful learning in science and therefore strongly recommended, but you should also schedule time to solve problems on your own. Most importantly: Do not fall behind! Every week builds on what we’ve done in the weeks before.

**Office Hours**

All instructors would love for you to attend office hours! Please stop in with any type of questions, be it homework (Tip: bring your homework assignment to office hours way before the due date!) or just general guidance. If the scheduled office hours do not work with your schedule, most instructors are happy to schedule an appointment with you. You may attend any instructor’s office hours regardless of what lab section you are in. Please do not wait until the last minute before an exam to request to schedule an appointment, our schedules fill up quickly and we will likely be unavailable.

**Communication**
The best way to get in touch with us outside of class or office hours is via email. However, we greatly prefer to answer content related questions in person, and depending on the nature of your question we may suggest that you attend office hours or schedule an appointment. If necessary, we're happy to schedule virtual office hours via WebEx.

Classroom Protocol

Attendance

Lecture attendance is important. We will be using classroom polling systems, and we will routinely engage in whole class and small group discussions during both lab and lecture. I will often provide opportunities to earn participation points. It will not be possible to make up these participation points if you miss the class they are assigned in.

If you know ahead of time that you will miss a lecture or discussion lab meeting, let one of your instructors know and we can either arrange for you to attend another lab section, and/or discuss how to make sure you are still prepared for the exams and homework.

If you find that you have a situation that causes you to miss more than one or two classes, please contact me ASAP to figure out how to succeed in this course. If you already know that you will miss three or more meetings this semester, you might want to defer this course to a future semester. If an illness or emergency causes you to miss an exam, please notify me ASAP. Make-up exams may involve a portion where you will be required to solve problems on a blackboard (also, group portions on exams may not be possible in a make-up exam).

Please arrive on time to class (best a few minutes early). The room is crowded and it is distracting to your fellow students if you have to climb over them to get an empty seat.

Electronic devices

You may use calculators on all assignments (in-class, homework, and exams), unless otherwise specified. Please remember to keep your cell phones quiet (and stowed away) during class unless you are using it for classroom polling. Please do not use your laptop computer during class unless the classroom activity calls for it.

Additional Help and Student Resources

The Physics Tutoring Center is located in Science 233. This is an informal setting where you can get help from your fellow SJSU students. The schedule of tutoring hours will be posted here.

Computer labs for student use are available in the Academic Success Center located on the 1st floor of Clark Hall and in the Associated Students Lab on the 2nd floor of the Student Union. Additional computer labs may be available in your department/college. Computers are also available in the Martin Luther King Library. A wide variety of audio-visual equipment is available for student checkout from Media Services located in IRC 112. These items include DV and HD digital camcorders; digital still cameras; video, slide and overhead projectors; DVD, CD, and audiocassette players; sound systems, wireless microphones, projection screens and monitors.

University Policies

General Expectations, Rights and Responsibilities of the Student

As members of the academic community, students accept both the rights and responsibilities incumbent upon all members of the institution. Students are encouraged to familiarize themselves with SJSU's policies and practices pertaining to the procedures to follow if and when questions or concerns about a class arises. To learn important campus information, view University Policy S90–5 and SJSU current semester’s Policies and Procedures. In general, it is recommended that students begin by seeking clarification or discussing concerns with their instructor. If such conversation is not possible, or if it does not address the issue, it is recommended that the student contact the Department Chair as the next step.

Dropping and Adding

Students are responsible for understanding the policies and procedures about add/drop, grade forgiveness, etc. Add/drop deadlines can be found on the current academic year calendars document on the Academic Calendars webpage. The Late Drop Policy is available here. Students should be aware of the current deadlines and penalties for dropping classes.

Consent for Recording of Class and Public Sharing of Instructor Material

University Policy S12-7 requires students to obtain instructors’ permission to record the course and the following items...
to be included in the syllabus:

- "Common courtesy and professional behavior dictate that you notify someone when you are recording him/her. You must obtain the instructor’s permission to make audio or video recordings in this class. Such permission allows the recordings to be used for your private, study purposes only. The recordings are the intellectual property of the instructor; you have not been given any rights to reproduce or distribute the material."
- If you would like to record a lecture or lab session, please email me at least 48 hours in advance.
- In classes where active participation of students or guests may be on the recording, permission of those students or guests should be obtained as well.
- "Course material developed by the instructor is the intellectual property of the instructor and cannot be shared publicly without his/her approval. You may not publicly share or upload instructor generated material for this course such as exam questions, lecture notes, or homework solutions without instructor consent."

**Academic integrity**

Your commitment, as a student, to learning is evidenced by your enrollment at San Jose State University. The [University Academic Integrity Policy S07-2](http://www.sjsu.edu/senate/docs/S07-2.pdf) requires you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The Student Conduct and Ethical Development website is available here, [http://www.sjsu.edu/studentconduct/](http://www.sjsu.edu/studentconduct/)

**Campus Policy in Compliance with the American Disabilities Act**

If you need course adaptations or accommodations because of a disability, or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. [Presidential Directive 97-03](http://www.sjsu.edu/president/docs/directives/PD_1997-03.pdf) requires that students with disabilities requesting accommodations must register with the Accessible Education Center (AEC) [http://www.sjsu.edu/aec](http://www.sjsu.edu/aec) to establish a record of their disability.

**Accommodation to Students' Religious Holidays**

San Jose State University shall provide accommodation on any graded class work or activities for students wishing to observe religious holidays when such observances require students to be absent from class. It is the responsibility of the student to inform the instructor, in writing, about such holidays before the add deadline at the start of each semester. If such holidays occur before the add deadline, the student must notify the instructor, in writing, at least three days before the date that he/she will be absent. It is the responsibility of the instructor to make every reasonable effort to honor the student request without penalty, and of the student to make up the work missed. See [University Policy S14-7](http://www.sjsu.edu/senate/docs/S14-7.pdf).

**SJSU Peer Connections**

Peer Connections' free tutoring and mentoring is designed to assist students in the development of their full academic potential and to inspire them to become independent learners. Peer Connections tutors are trained to provide content-based tutoring in many lower division courses (some upper division) as well as writing and study skills assistance. Small group and individual tutoring are available. Peer Connections mentors are trained to provide support and resources in navigating the college experience. This support includes assistance in learning strategies and techniques on how to be a successful student. Peer Connections has a learning commons, desktop computers, and success workshops on a wide variety of topics. For more information on services, hours, locations, or a list of current workshops, please visit the [Peer Connections website](http://peerconnections.sjsu.edu) for more information.

**SJSU Counseling and Psychological Services**

The SJSU Counseling and Psychological Services is located on the corner of 7th Street and San Carlos in the new Student Wellness Center, Room 300B. Professional psychologists, social workers, and counselors are available to provide confidential consultations on issues of student mental health, campus climate or psychological and academic issues on an individual, couple, or group basis. To schedule an appointment or learn more information, visit the [Counseling and Psychological Services website](http://www.sjsu.edu/counseling) .

<table>
<thead>
<tr>
<th>Date</th>
<th>Details</th>
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<tbody>
<tr>
<td>Fri Jan 29, 2016</td>
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Lecture ([https://sjsu.instructure.com/calendar?event_id=1120090&include_contexts=course_1188411](https://sjsu.instructure.com/calendar?event_id=1120090&include_contexts=course_1188411))
Get a clicker or REEF polling account ([https://sjsu.instructure.com/courses/1188411/assignments/4059423](https://sjsu.instructure.com/courses/1188411/assignments/4059423))
Getting to know you ([https://sjsu.instructure.com/courses/1188411/assignments/4059380](https://sjsu.instructure.com/courses/1188411/assignments/4059380))
Read the Syllabus ([https://sjsu.instructure.com/courses/1188411/assignments/4059441](https://sjsu.instructure.com/courses/1188411/assignments/4059441))
  | 7:30am to 8:50am  
due by 9am  
  |  
Fri Feb 5, 2016 |  
Lecture w/ Practice Quiz ([https://sjsu.instructure.com/calendar?event_id=1120082&include_contexts=course_1188411](https://sjsu.instructure.com/calendar?event_id=1120082&include_contexts=course_1188411))
DLM 2 FNTs (Due 2 hours before DLM 3) ([https://sjsu.instructure.com/courses/1188411/assignments/4059412](https://sjsu.instructure.com/courses/1188411/assignments/4059412))
Read Chapter 1 ([https://sjsu.instructure.com/courses/1188411/assignments/4059439](https://sjsu.instructure.com/courses/1188411/assignments/4059439))
  | 7:30am to 8:50am  
due by 8:30am  
  |
Tue Feb 9, 2016

DLM 3 FNTs (Due 2 hours before DLM 4)

Fri Feb 12, 2016

Lecture w/ Quiz 1

DLM 7B FNTs (Due 2 hours before DLM 8)

DLM 9 FNTs (Due 2 hours before DLM 10A)

Read Chapter 2

Mon Feb 15, 2016

DLM 10A FNTs (Due 2 hours before DLM 10B)

Tue Feb 16, 2016

DLM 8 FNTs (Due 2 hours before DLM 9)

Fri Feb 19, 2016

Lecture w/ Practice Quiz

DLM 11B FNTs (Due 2 hours before DLM12A)

Calculate your Quiz grade

Tue Feb 23, 2016

DLM 11A FNTs (Due 2 hours before DLM 11B)

DLM 12A FNTs (Due 2 hours before DLM12B)

DLM 7A FNTs (Due 2 hours before DLM 7B)

DLM12C FNTs (Due 2 hours before DLM13)

Fri Feb 26, 2016

Lecture w/ Quiz 2

DLM 12B FNTs (Due 2 hours before DLM12C)

DLM13A FNTs (Due 2 hours before DLM13B)

Tue Mar 1, 2016

DLM13B FNTs (Due 2 hours before DLM14A)

Fri Mar 4, 2016

Lecture w/ Practice Quiz

DLM 15 FNTS (Due 2 hours before DLM 16)

DLM 14 FNTs (Due 2 hours before DLM 15)

Tue Mar 8, 2016

DLM 16A FNTs (Due two hours before DLM 16B)
Syllabus for SP16: PHYS-2A Sec 01 - Fund of Physics

DLM 16C FNTs (Due 2 hours before DLM17A)
https://sjsu.instructure.com/courses/1188411/assignments/4059409
due by 8am

Fri Mar 11, 2016
Lecture w/ Quiz 3
https://sjsu.instructure.com/calendar?event_id=1120088&include_contexts=course_1188411
7:30am to 8:50am

DLM 16B FNTs (Due 2 hours before DLM 16C)
https://sjsu.instructure.com/courses/1188411/assignments/4059408
due by 8am

Tue Mar 15, 2016
DLM 17A FNTs (Due 2 hours before DLM17B)
https://sjsu.instructure.com/courses/1188411/assignments/4059410
due by 8am

Fri Mar 18, 2016
Midterm
https://sjsu.instructure.com/calendar?event_id=1120089&include_contexts=course_1188411
7:30am to 8:50am

DLM 17B FNTs (Due 2 hours before DLM 18)
https://sjsu.instructure.com/courses/1188411/assignments/4059411
due by 8:30am

Fri Mar 25, 2016
Lecture w/ Practice Quiz
https://sjsu.instructure.com/calendar?event_id=1120091&include_contexts=course_1188411
7:30am to 8:50am

Mon Mar 28, 2016
Spring Recess
https://sjsu.instructure.com/calendar?event_id=1120092&include_contexts=course_1188411
12am

Tue Mar 29, 2016
Spring Recess
https://sjsu.instructure.com/calendar?event_id=1120093&include_contexts=course_1188411
12am

Wed Mar 30, 2016
Spring Recess
https://sjsu.instructure.com/calendar?event_id=1120094&include_contexts=course_1188411
12am

Thu Mar 31, 2016
Spring Recess
https://sjsu.instructure.com/calendar?event_id=1120095&include_contexts=course_1188411
12am

Fri Apr 1, 2016
Spring Recess
https://sjsu.instructure.com/calendar?event_id=1120096&include_contexts=course_1188411
12am

Fri Apr 8, 2016
Lecture w/ Quiz 4
https://sjsu.instructure.com/calendar?event_id=1120097&include_contexts=course_1188411
7:30am to 8:50am

Fri Apr 15, 2016
Lecture w/ Practice Quiz
https://sjsu.instructure.com/calendar?event_id=1120098&include_contexts=course_1188411
7:30am to 8:50am

Fri Apr 22, 2016
Lecture w/ Quiz 5
https://sjsu.instructure.com/calendar?event_id=1120099&include_contexts=course_1188411
7:30am to 8:50am

Fri Apr 29, 2016
Lecture w/ Practice Quiz
https://sjsu.instructure.com/calendar?event_id=1120100&include_contexts=course_1188411
7:30am to 8:50am

Fri May 6, 2016
Lecture w/ Quiz 6
https://sjsu.instructure.com/calendar?event_id=1120101&include_contexts=course_1188411
7:30am to 8:50am

Fri May 13, 2016
Lecture (Review & Wrap Up)
https://sjsu.instructure.com/calendar?event_id=1120102&include_contexts=course_1188411
7:30am to 8:50am

Mon May 23, 2016
Final Exam
https://sjsu.instructure.com/calendar?event_id=1120103&include_contexts=course_1188411
7:15am to 9:30am

Clickers - Lecture 11
https://sjsu.instructure.com/courses/1188411/assignments/4059383

Clickers - Lecture 12
https://sjsu.instructure.com/courses/1188411/assignments/4059384

Clickers - Lecture 13
https://sjsu.instructure.com/courses/1188411/assignments/4059385
Clickers - Lecture 14

Clickers - Lecture 2

Clickers - Lecture 3

Clickers - Lecture 4

Clickers - Lecture 5

Clickers - Lecture 6

Clickers - Lecture 7

Clickers - Lecture 8

Clickers - Lecture 9

Cumulative Final Exam

DLM 10B FNTs (Due 2 hours before DLM 11A)

DLM 4 FNTs (Due 2 hours before DLM 5A)

DLM 5A FNTs (Due 2 hours before DLM 5B)

DLM 5B FNTs (Due 2 hours before DLM 6)

DLM 6 FNTs (Due 2 hours before DLM 7)

Midterm

Quiz 1

Quiz 2

Quiz 3

Quiz 4

Quiz 5

Quiz 6