Mt. San Antonio College Syllabus Guidelines

A syllabus will be distributed on the first day of class, ideally, or by the last day to add, at the latest, including:

Course Identification

- College name
- Term and year
- Course number, title, reference number (CRN)
- Class days / time and location
- Instructor name

Course Information

- Course description
- Measurable objectives
- Student learning outcomes or the link to the SLO website: **slo.mtsac.edu**
- Course prerequisites

Course Materials

- Textbook(s) title, author, edition
- Required materials and supplies.

Course Resources :

- Office location and office hours (can say, "by appointment" for adjunct faculty)
- Phone/voice mail and Mt. SAC e-mail.
- Class website (if applicable)
- If announcements and changes to the syllabus are made exclusively through electronic means, students should be informed what type of communication will be used (e.g. email or portal announcement).

Calendar/Schedule :

- Tentative Calendar/Schedule, recommended to be weekly or daily
    - Exam dates, including final exam, and major assignment due dates
    - Field trip dates as applicable
    - Reading assignments, may include other assignments
    - Holidays

Grading Policies and Methods :

- Assessment methods
- Grading rationale
    - Definition of ABCDF (or credit/no credit)
    - Points and/or percent for each exam, assignment and affecting policies.
    - Specific requirements to pass the course such as final exam or field trips.
- Behaviors that adversely affect the grade, including attendance if applicable

DSPS Statement :

- Accommodating Students with Disabilities Statement

Course Rules and Policies :

- Academic Integrity policy (include at least a reference to academic misconduct policy in the catalogue).
    - Other classroom rules and/or behavior Policies, if applicable, such as acceptable electronic devices in class, labs, or during exams

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Additional traditional syllabus content to consider:

- Additional attendance policies.
- Registration and withdrawal policies.
- Late work and make up assignments/exams policies.
- Extra credit policies.
- Availability of campus resources to support your class.
- How instructor will communicate with students
- Credit hours
- Instructor personal website
- Instructor specific detailed course description
- Instructor specific objectives
- Instructor preferred means of communication
- Textbook ISBN, acceptable versions
- Quizzes, homework due dates
- Digital media policy (recordings, pictures, etc.)

Non-traditional, student-friendly content to consider:

- Suggested practices on how to succeed in class
- Suggestions on how to make effective use of office hours
- Guidance on formation of study groups
- Instructor's teaching methods and/or teaching philosophy
- Instructor biographical information including personal interests
- Use of clip-art, photos or graphics
- A student-friendly format, such as a newsletter format

Distance learning syllabi should also include:

- How to access the course (e.g. login instructions)
- System requirements including software requirements
- Who to contact for IT issues
- How student "contact hours" will be assessed in the course
- How class information will be communicated (e.g. portal announcements vs. class website vs. email)

Mt. San Antonio College, Physics 2A –Syllabus, Spring 1905

CRN: 12345
Instructor: A. Einstein
Office Hours: Monday, Wednesday 6:00-7:00 am,
Tuesday, Thursday noon-1:00, 60-1409
Contact Information: Phone: (909) 594-5611 X3141
email: aeinstein@mtsac.edu
Textbook: Walker, Physics, 1st Edition
Other materials: 2A course packet.
Meeting Time: M,W 8:00-11:10 am
Course Information: A semester-long trigonometry based physics course covering Kinematics, Forces, Work and Energy, Oscillations, Waves and Sound, Fluids and Thermodynamics.

Course Measurable Objectives:

- Solve general one and two dimensional kinematics problems for objects under constant acceleration
- Use Newton's Laws to determine the acceleration of or the force on an object.
- Apply the work energy theorem.
- Apply conservation of momentum.
- Use rotation relations to determine torque, moment or angular acceleration.
- Use gravitational relations to determine energy of an object in orbit.
- Use spring constant and mass to determine period, and frequency of an oscillating object.
- Determine the speed of an object using the observed frequency.
- Derive Archimede's principle.
- Determine the specific heat capacity of an object
- Describe isothermal, isobaric, isochoric and adiabatic expansion and contraction.
- Apply the second law of thermodynamics to determine the change in entropy of a system.

Student Learning Outcomes:
view at http://slo.mtsac.edu

Prerequisite/Corequisite: Successful completion of Math 150

Grades: The relative weights of the portions of your grade are described in the table below;

Weighting

Homework	20%
Labs/handouts	20%
Quizzes	10%
Exams	30%
Final	20%

Tentative grading scale:

≥90	A
≥80	B
≥70	C
≥60	D
<60	Fail

Homework: Homework will be assigned regularly and collected at the end of each week.

Laboratory: The course includes a laboratory component. The laboratory packet is available through banner or at Day & Nite printing on Grand ave. Lab write ups are due the class session after the lab is performed. There may be formal lab report required during the semester. Unless otherwise stated, laboratory work is due one week from when the work was started, at the beginning of class. All work in the laboratory must be conducted in English for safety reasons.

Quizzes: Quizzes will be given once per week on average, the first fifteen to twenty minutes of class, generally one question pertaining to homework, reading or topics covered since the previous quiz. You will be graded on the accuracy of your answer and the clarity of your work.

Exams: There will be three exams throughout the semester. You will be graded on the accuracy of your answer and the clarity of your work.

Final Exam: The final exam will be cumulative, and will be held on Tuesday, June 12th and Thursday June 14th from 10:30 am to 1:00 pm. You will be graded on the accuracy of your answer and the clarity of your work.

Exam Materials:

EXAMS: You may bring in notes written out by hand on one side of a 3" x 5" index card; no photocopies. The exam cover sheets are included in your course packet. You may write your notes in the 3" x 5" rectangle on the cover sheet. In either case, I do not redistribute the graded exams or note cards.

FINAL EXAM: You may bring in notes written out by hand on one side of an 8 1/2" x 11" piece of paper; no photocopies. OR, you may tape your index cards from previous exams to one side of an 8 1/2" x 11" piece of paper and write notes on the rest of that side.

Integrity: (from the course catalogue) Honesty is primarily the responsibility of each student. The College considers cheating to be a voluntary act for which there may be reason, but for which there is no acceptable excuse. It is important to understand that collaborative learning is considered cheating unless specifically allowed for by the professor.

Student Success: My desire is to make this a truly welcoming instructional climate and an equal learning opportunity for everyone. Your success is important to me. To that end, if you have a need that I can address, please notify me immediately. Alternatively, if there are supplementary accommodations required, contact DSPS at (909) 274-4290.

Tentative Schedule:

Week	Reading (chapter)	Topic
	1,2	Distance and Displacement
		Speed and Velocity, Vectors
	3,4	2D Kinematics
		Projectile Motion
	5,6	Newton's Laws
		Statics
	5,6	Free Body Diagrams
		Force and Motion
		Review
		Exam 1
	7,8	Work (F×d)
		Conservation of Energy
	9	Collisions (F×t)
		Momentum
	10, 11	Rotational Kinematics
		Rotational Dynamics
	12	Gravity
		Thanksgiving, no class
		Review
		Exam 2
	13,14	Oscillators
		Waves
	15	Fluids
		Bernouli Equation
	16	Heat
		Thermodynamics
	17,18	First Law
		Second and Third Law
		Review
		Exam 3
		Review
		Final