Food Production, Land Use, and Politics
A Global Perspective
AGAG 1 – Spring 2023

Instructor: Jennifer Hinostroza

Contact Information:

- Canvas Inbox: The easiest way to contact me is through your Canvas inbox.
- Email: jhinostroza@mtsac.edu.
- Phone: (909) 274-4876 (Please note that I am only on campus to receive phone calls Monday - Wednesday.)
- Pronto: This semester I will be trying out new communication software within Canvas that provides several options, including one that is similar to texting.

Office Hours (Student Hours):

This is time set aside for you! You may visit me during office hours to ask questions, or for anything else I can assist you with.
Some office hours will be held in person, in my office in Building 80, room 2301J. All office hours will also be held virtually, through Zoom. You can also reach me during office hours via Pronto. Virtual office hours can be accessed via the links in Canvas. My scheduled office hours this semester will be:

- Monday 4:15-5:15 pm, 80-2301J or virtual
- Tuesday 4:15-5:15 pm, 80-2301J or virtual
- Wednesday 3:15-4:15 pm, 80-2301J or virtual
- Thursday 1:30-2:30 pm, virtual only

Course Requirements:

Required Text: None

Technical Requirements: Reliable internet and access to a computer are both essential when taking an online course. Mt. SAC has programs available to help students obtain these resources. Canvas works best in Chrome or Firefox. If you are using another browser, and Canvas is not working as you expect, try switching browsers. Chrome may be required for exams. You may be asked to take photos or videos and upload them to Canvas for some assignments.

Student Learning Outcomes for Students Completing AGAG 1:

- Students will be able to demonstrate an understanding of the interdependence of world agriculture systems.
- Students will be able to formulate possible solutions to the conflicting demands for land use between suburban development and agriculture.
- Students will be able to prepare and present an argument in favor of, or in opposition to, a variety of controversial topics in the arena of agriculture.
- Students will be able to identify and describe the key elements in sustainable agriculture.

- Students will be able to evaluate the sustainability of current food production systems.
- Students will be able to explain how water issues impact world agriculture.
- Students will be able to discuss the impact that the endangered species act has on current agricultural practices.
- Students will be able to analyze the relationship between social, political, and/or economic institutions and human behavior. (Also a General Education Outcome)

Canvas:

Canvas is the Learning Management System (LMS) at Mt. SAC. If you have used other learning management systems, you will probably be able to navigate Canvas. It is easy to use. However, Canvas offers a lot of help! Take advantage of these help resources!

1. Use the Help Icon on the Global Navigation Menu (gray bar at left of your account) to access the Canvas Guides or call Canvas. The Canvas Guides have videos and FAQs.
2. Canvas Student Overview videos
3. Canvas Student Guides

Time commitment and Recommended Skills:

For a typical college course you should expect to spend 3 hours per week on class activities for each unit of credit. Since this course is a 3 unit class, you should expect to spend, on average, approximately 9 hours per week on class activities such as reading material, completing assignments, contributing to discussions, studying, research, etc. Organization and time management are essential skills for success in an online course. I highly recommend that you schedule a consistent time during your week that you dedicate to working on this course. Plan ahead for larger assignments like the term project, which may require more time. Although I will send out reminders, it is ultimately your responsibility to be aware of deadlines and due dates, and to plan accordingly.

Course Description:

Surveys the world's food producing systems in terms of economic, political, and cultural forces. Emphasizes ethical, sustainable food producing agriculture.

Grading:

The course grade will be based on the total number of points achieved during the semester.

Point Distribution:

Current Events:	100 points
Module Quizzes	110 points
Discussions / Activities	140 points
Webquest	75 points
Term Project	120 points
City Planning Meeting	50 points
Midterm Exam	75 points
Final Exam	100 points
Total	770 points

Assignments or point values may need to be adjusted slightly during the semester.

Search Program/Discipline | Search Course

Search Courses

Search Courses

- Arson and Fire Investigation (FIRE 10)
- Basic Fire Academy (FIRE 86)
- Building Construction for Fire Protection (FIRE 4)
- Fire Apparatus and Equipment (FIRE 11)
- Fire Behavior and Combustion (FIRE 5)
- Fire Company Organization and Management (FIRE 8)
- Fire Fighting Tactics and Strategy (FIRE 7)
- Fire Hydraulics (FIRE 9)

Student Learning Outcomes

Course Name: Food Production, Land use and Politics - A Global Perspective
Course Number: AGAG 1 (VOC)
Course Objectives:

- Students completing AGAG 1 will be able to demonstrate an understanding of the interdependence of world agriculture systems.
- Students completing AGAG 1 will be able to prepare and present an argument in favor of, or in opposition to, a variety of controversial topics in the arena of agriculture.
- Students completing AGAG 1 will be able to formulate possible solutions to the conflicting demands for land use between suburban development and agriculture.
- Students completing AGAG 1 will be able to give a brief, coherent presentation of their current event summary in front of the class.
- GEO - Students completing relevant assignments in Area D2 courses will analyze the relationship between social, political, and/or economic institutions and human behavior.
- Students completing AGAG 1 will be able to discuss the impact that the endangered species act has on current agricultural practices.

MT. SAN ANTONIO COLLEGE, PHYSICS 4A CRN 42236 SYLLABUS, Spring 2023

Syllabus format: Essential summary on the first four pages, details after that.

NOTE: This syllabus is a plan, not a contract. It is a statement of how I intend the course to run, assuming that everything takes exactly as much time as I think it will, there are no new COVID variants, I never get sick and the power always stays on in our building—things which are outside of my control. Stay flexible!
There is a lot of information in here.

Course Description: A semester-long calculus-based course. Studies linear and rotational motion, forces, momentum, work, energy, oscillations and waves, gravitation. Includes laboratory experience with significant use of computers for data acquisition and analysis.

Prerequisite: Successful completion of Physics 2AG; Successful completion of *or* concurrent enrollment in Math 181.

Times: MWF 8:30-11:05 AM
Room: Building 60, room 1628

Instructor: Phil Wolf **Office:** Bldg. 60, room 1407
Phone: (909) 274-4421 **Email** : pwolf@mtsac.edu

The official course outline of record for this course can be found at

http://webcms.mtsac.edu/Display.asp?outline_id=4713&sFormID=PUBLICCOURSE

The official course outcome includes the following:

Student learning outcomes:

Among the many things we want you to be able to do, here are two of them, which we will test explicitly:

- Students will be able to calculate the moment of inertia of a typical continuous body.
- Students will be able to design an experiment to find the rotational inertia of an object.
- Students will be able to apply the material from the course to real life situations.
- Students will analytically predict the period of a physical pendulum, then design an experiment to measure the period.
- Students will be able to propagate uncertainty.
- Students will be able to correctly analyze non-constant forces that vary with time or position.
- Students will be able to experimentally and analytically find the period of a physical pendulum.
- Students will be able to draw free body diagrams appropriate to the situation presented.
- Students will be able to integrate with respect to mass over objects and apply that knowledge to be able to solve problems related to center of mass, moment of inertia and gravitational field of objects.
- Students will be able to write up lab findings scientifically.

Course Measurable Objectives:

Among the many things we evaluate in the course, here are six of them:

1. Apply concepts of linear and rotational motion, application of Newton's Laws, and other concepts of mechanics.
2. Apply the correct mathematical tools including unit vector notation, trigonometry and differential and integral calculus to solve word problems dealing with linear and rotational motion, application of Newton's Laws and other concepts of mechanics.
3. Apply mechanics principles in their environments.
4. Interpret graphs comparing: a) properties of motion in order to determine displacement, velocity and acceleration, b) one dimensional force and displacement in order to determine work, and c. potential energy as a function of position in order to determine force.
5. Use of computer spreadsheets and graphing software in solving problems in linear and rotational motion, forces, momentum, work, energy, oscillations, gravitation and waves.
6. Calculate propagated error in results from experimental data.

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- Fire Prevention Technology (FIRE 2)
- Fire Protection Equipment and Systems (FIRE 3)

Student Learning Outcomes

Course Name: Engineering Physics
Course Number: PHYS 4A
Course Objectives:

- Students will be able to draw free body diagrams appropriate to the situation presented.
- Students will be able to integrate with respect to mass over objects and apply that knowledge to be able to solve problems related to center of mass, moment of inertia and gravitational field of objects.
- Students will be able to write up lab findings scientifically.
- Students will be able to experimentally and analytically find the period of a physical pendulum.
- Students will be able to propagate uncertainty.
- Students will be able to correctly analyze non-constant forces that vary with time or position.
- Students will analytically predict the period of a physical pendulum, then design an experiment to measure the period.
- Students will be able to apply the material from the course to real life situations.
- Physics 4A students will be able to calculate the moment of inertia of a typical continuous body.
- Students will be able to design an experiment to find the rotational inertia of an object.

PUBH 24: INTRODUCTION TO PUBLIC HEALTH
SYLLABUS FOR SPRING 2023

Instructor: Dr. Carmen E. Rexach
Office 60-2102
Total number of units = 3 (lecture only)
email: crexach@mtsac.edu

Important Dates

Please note*: This is an 8-week DISTANCE LEARNING COURSE and will be available exclusively on-line. Please be sure you have adequate internet access before registering for this course.*

Semester start date	**4/17/23**	**Semester end date**	**6/11/23**

Course Description: This course explores public health concepts and practice by examining the philosophy, purpose, history, organization, function, tools, activities, and outcomes of public health at the global, national, state, and community levels. Instruction prepares students to identify and assess important national and international problems and ethical issues facing public health today.

Required textbook: *NOTE: This text is referred to in the lectures and in some assignments specifically!* Public Health 101: Improving community health. Riegelman & Kirkwood, 3rd Ed. Jones and Bartlett Learning.

The textbook is available in electronic and print format, and available for rent. It is required on the first day of class!

Recommended
Introduction to Public Health, Schneider, Mary-Jane, 6th Ed. Jones and Bartlett Learning.
A good medical dictionary, such as Taber's.

Student learning outcomes
1. Discuss the relationship of public health with the development of health policy.
2. Identify a minimum of five contributions to improving the health of the public that are a direct result of health education and information and analyze their effectiveness.
3. Evaluate the contributions of history in the development of our current public health system.
4. Apply epidemiologic methods and statistical analysis to describe issues of public health.
5. Discuss the role of public health in emergency preparedness.
6. Describe how ethics influences public health policy.
7. Describe the expanding role of public health occupations in the 21st Century.
8. Explain how personal health and public health differ in scope and practice.
9. Distinguish how public health differs from the traditional Western medicine approach to treating disease and illness.
10. Evaluate current methods of health care delivery and describe how insurance influences access and standards of care.
11. Analyze how current public health issues affect the social, physical, and mental health of specific populations.
12. Describe how environment and social and behavioral factors effect community health.
13. Propose and evaluate public health measures to reduce or eliminate disparities in health care among vulnerable populations.
14. Evaluate current methods of healthcare delivery and describe how insurance influences access and standards of care.
15. Identify, assess, and utilize credible information resources on current community health issues, such as the internet, social media, media outlets, and libraries.

Search Program/Discipline | Search Course

Search Courses

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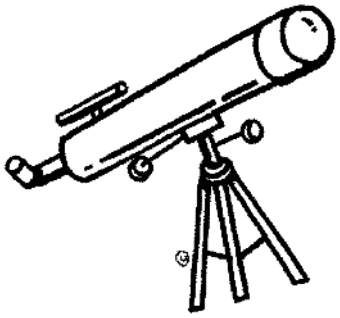
- Fire Hydraulics (FIRE 9)
- Fire Prevention Technology (FIRE 2)
- Fire Protection Equipment and Systems (FIRE 3)

Student Learning Outcomes

Course Name: Introduction to Public Health
Course Number: PUBH 24
Course Objectives:

- Students will be able to discuss the relationship of public health with the development of health policy.
- Students will be able to identify a minimum of 5 contributions to improving the health of the public that are a direct result of health education and information and analyze their effectiveness.
- Students will be able to evaluate the contributions of history in the development of our current public health system.
- Students will be able to describe how incidence of disease differs from disease prevalence.
- Students will be able to discuss the role of public health in emergency preparedness.
- Students will be able to describe how ethics influences health policy.
- Students will be able to describe the expanding role of public health occupations in the 21st century.
- Students will Identify, assess, and utilize credible information resources on current community health issues, such as the internet, social media, media outlets, and libraries.
- Students will be able to explain how public health complements nursing professions.



Astronomy 5 Online
Introduction to Astronomy
Winter 2023

Instructor
Mike Hood
Pronouns: he/him/his
email: mhood@mtsac.edu

Communication Methods:
1) Send me an email or Canvas message
2) Zoom meeting room is on Canvas, let me know if you want to meet, I'm happy to make appointments to meet synchronously. I'm generally open to meet during the day most days, or in the evenings after 8 pm.

Communication Methods
The best way to get ahold of me is through email or Canvas messages. You should expect a response within 24 hours of when you send me a message. If you don't get a response in that amount of time, please reach out again.

Communication Methods:
1) Send me an email or Canvas message.
2) Zoom meeting room is on Canvas, let me know if you want to meet, I'm happy to make appointments to meet synchronously. I'm generally open to meet during the day most days, or in the evenings after 6 pm.

Student Learning Outcomes
Students will be able to:
- Students will be able to analyze electromagnetic radiation.
- Students will be able to identify and explain the basic motion of the planets.
- Students will be able to compare the three motions of the earth and predict the motion of objects in the sky due to these motions.
- Students will be able to relate the major structures of the universe to specific units of measurement.
- Students will be able to summarize and evaluate our current understanding of cosmology.
- Kepler's law of planetary motion
- Students will be able to classify and identify meteorites based on their visual properties.
- Students will be able to explain stellar evolution.
- Students will be able to explain the motion and phases of the Moon, as well as the mechanism of eclipses.
- Students will be able to summarize and evaluate current theories of the origin and evolution of the solar system.
- Imagine that you were stranded in the middle of the wilderness. You are able to locate Polaris in the sky to find north. Explain how you could use celestial objects (Sun, moon, stars, planets, etc.) to determine when a day, month, and year had passed.

Search Program/Discipline | Search Course

Search Courses

Search Courses

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- Fire Hydraulics (FIRE 9)
- Fire Prevention Technology (FIRE 2)
- Fire Protection Equipment and Systems (FIRE 3)

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Student Learning Outcomes

Course Name: Introduction to Astronomy
Course Number: ASTR 5
Course Objectives:

- Students will be able to analyze electromagnetic radiation.
- Students will be able to identify and explain the basic motion of the planets.
- Students will be able to compare the three motions of the earth and predict the motion of objects in the sky due to these motions.
- Students will be able to relate the major structures of the universe to specific units of measurement.
- Students will be able to summarize and evaluate our current understanding of cosmology.
- Kepler's law of planetary motion
- Students will be able to classify and identify meteorites based on their visual properties.
- Students will be able to explain stellar evolution.
- Students will be able to explain the motion and phases of the Moon, as well as the mechanism of eclipses.
- Students will be able to summarize and evaluate current theories of the origin and evolution of the solar system.
- Imagine that you were stranded in the middle of the wilderness. You are able to locate Polaris in the sky to find north. Explain how you could use celestial objects (Sun, moon, stars, planets, etc.) to determine when a day, month, and year had passed.

Physics 2AG Spring, 2022

Instructor: Malcolm Rickard
OFFICE HOURS: Daily, after class.
Phone: (909) 594-5611 X6868
email: mrickard@mtsac.edu

Textbook: Physics 2AG Modules.

Other materials: Expert TA Homework account (http://theexpertta.com/)
Scientific Calculator, Ruler.

Prerequisite/Corequisite: Successful completion of Math 150

Not required resources
https://www.khanacademy.org/science/physics

https://openstax.org/details/books/college-physics

MtSAC offers several free services including Tutoring, Counselling, Health Center, Basic needs, etc.

https://www.mtsac.edu/studentservices/

Student Learning Outcomes:

1. Physics 2AG students will be able to draw a correct rigid body diagram for a typical rigid body problem.
2. Students should be able to measure the acceleration of a falling body.
3. Students will be able to apply the material from the course to real life situations.
4. Students will be able to find the minimum coefficient of friction for a particular equilibrium situation.
5. Students will be able to experimentally analyze a hanging spring – mass system.
6. Students will be able to analyze a system with two masses, massive pulley, incline and friction.
7. Students will be able to express the velocity of an object in x and y components and magnitude with angle.
8. Students will be able to apply conservation of momentum to solve a problem.
9. Students will be able to correctly write the equation of motion to describe a system involving both translation and rotation
10. students will correctly choose axes perpendicular and parallel to acceleration (not necessarily the surface)
11. Students will be able to identify an appropriate model from experimental data.
12. Students will be able to identify common forms of mechanical and internal energy occurring within a system.
13. Students will be able to analyze descriptions and depictions of mechanical systems and create representative force diagrams.

Student Learning Outcomes

Search Program/Discipline | Search Course

Search Courses

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Student Learning Outcomes

Course Name: General Physics
Course Number: PHYS 2AG
Course Objectives:

- Students will be able to analyze descriptions and depictions of mechani
  representative force diagrams.
- Students will be able to identify common forms of mechanical and interr
  system.
- Students will be able to identify an appropriate model from experimental data.
- students will correctly choose axes perpendicular and parallel to acceleration (not necessarily the surface)
- Students will be able to apply conservation of momentum to solve a problem.
- Students will be able to express the velocity of an object in x and y components and magnitude with angle.
- Students will be able to analyze a system with two masses, massive pulley, incline and friction.
- Students will be able to experimentally analyze a hanging spring – mass system.
- Students will be able to correctly write the equation of motion to describe a system involving both translation and rotation.
- Students will be able to find the minimum coefficient of friction for a particular equilibrium situation.
- Students will be able to apply the material from the course to real life situations.
- Students should be able to measure the acceleration of a falling body.
- Physics 2AG students will be able to draw a correct rigid body diagram for a typical rigid body problem.