



Endemic Hawaiian Hawk is only found on the Big Island of Hawai'i.
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ENV 201 & 201L: Conservation Biology & Ecology Lecture and Laboratory
Spring 2021
Dr. Gail Grabowsky
Syllabus

The Earth's resources are also being plundered because of short-sighted approaches to the economy, commerce and production. The loss of forests and woodlands entails the loss of species which may constitute extremely important resources in the future, not only for food but also for curing disease and other uses.... It is not enough, however, to think of different species merely as potential "resources" to be exploited, while overlooking the fact that they have value in themselves. Each year sees the disappearance of thousands of plant and animal species which we will never know, which our children will never see, because they have been lost forever.

Pope Francis, *Laudato Si* 2015

A worldview does not dissolve overnight. Rather, like one of Hutton's mountain ranges, it erodes through long centuries.

Lorien Eisley

Few will have the greatness to bend history itself; but each of us can work to change a small portion of events, and in the total of all those acts will be written the history of this generation.

Robert F. Kennedy

A thing is right if it tends to preserve the integrity, stability and beauty of the biotic community. It is wrong if it tends to do otherwise.

Aldo Leopold

Change your thoughts and you change the world.

Norman Vincent Peale

The scientific community is no private club. In principle, and in its best and broadest sense of the words, scientific inquiry can be undertaken by anyone on almost any subject matter.

W. Quine and J. Ullian





Course Introduction

Department Name: Environmental Program

College/School/Division Name: Natural Sciences and Mathematics; Chaminade University of Honolulu

Course Credits: 3/1

Class Meeting Days: Lecture: TTh **Class Meeting Hours:** 1:00-2:20 **Class Location:** Henry Hall 223 or Zoom

Class Meeting Days: Lab: M **Class Meeting Hours:** 2:30-5:20 **Class Location:** HL4, OUTSIDE and via Zoom

Instructor: Dr. Gail Grabowsky

E-mail address: ggrabows@chaminade.edu

Phone: 735-4834 (ext. 834); cell 808-387-9319 (you may text anytime!)

Office Location: Wesselkamper Science Center, room 105

Office hours: Tuesday-Friday 3:00-6:00 PM; Or by appointment (Zoom or in person)

Course Website: <https://drive.google.com/drive/folders/1fVjJt7S3IdpS0FkIsCv0TQasPMiHMLk?usp=sharing>

Class Zoom Link: <https://chaminade.zoom.us/j/2916035174>

NOTE: This is a hybrid course! Some of you have opted to be “remote” which means you do not have to come to class or lab in person. Others of you want to come in-person to both lecture and lab. Others of you will mix and match! I am going to run the lecture synchronously on most days. IF you have an excused absence I will record the class. However, you must let me know prior to class of your upcoming excused absence if you want me to record class! This is a SCIENCE class – you learn best if you are there and I have learned you enjoy being there! Lab is trickier, so I will let you know each week whether we are meeting via Zoom, have an individual asynchronous activity, are going on a field trip, ETC!

University Course Catalog Descriptions:

ENV 201 Conservation Biology & Ecology

An introduction to conservation biology issues and goals and the principles of ecology. The course includes consideration of the impacts of human activity on ecosystems and our efforts to ameliorate destructive impacts and devise sustainable solutions. Major topics include the effects of industrialization, agriculture, pollution, species introduction and human population growth and development on the health and future sustainability of ecosystems and humans alike. Particular emphasis is placed on island ecosystems. Course must be taken concurrently with ENV 201L.

ENV 201L Conservation Biology & Ecology Laboratory

Students perform laboratory and field research techniques used in conducting conservation biology and ecological research and restoration. Analyses are conducted in the laboratory and in the field. Course must be taken concurrently with ENV 201.

Course Overview and Introduction:

Welcome to Conservation Biology & Ecology. I *really* enjoy teaching/facilitating this class because it comes from the heart (and the mind) as I am, like many of you, concerned for the current and future environment. This course mainly focuses on the condition of earth’s terrestrial (land) ecosystems: what threatens them and why and how to keep them healthy or return them to a healthier state once they are degraded. I feel this class is not simply a course you take in college, it changes the lives of most who take it, as it introduces you to and helps you

understand the causes and consequences of the real-world environmental issues we confront every day (or every time we take a sip of water...). If you are an Environmental Studies or Environmental Science major/minor OR a student with another major(s): WELCOME!

One thing I want all of us to realize through this course is that science is NOT a “sacred cow.” It is a **very** useful tool, but it is not in itself infallible or the only component of solutions to our environmental and ecological challenges. We also must consider the people involved, their values and beliefs, their economics, politics, history, culture, needs, desires, etc in order to solve any environmental problem. Also while the science we do helps us gather information about a phenomenon or determine how to behave in order to change a situation, it does not tell us what is better or worse, right or wrong, what we should or should not do. Because of the complexity of environmental issues and the fact that science is only one of the players involved in learning about and solving environmental issues, we will have to touch on those other factors in this science course as well.

Marianist Values

This class represents one component of your education at Chaminade University of Honolulu. An education in the Marianist Tradition is marked by five principles and you should take every opportunity possible to reflect upon the role of these characteristics in your education and development:

1. Education for formation in faith
2. Provide an integral, quality education
3. Educate in family spirit
4. Educate for service, justice and peace
5. Educate for adaptation and change

Native Hawaiian Values

Education is an integral value in both Marianist and Native Hawaiian culture. Both recognize the transformative effect of a well-rounded, value-centered education on society, particularly in seeking justice for the marginalized, the forgotten, and the oppressed, always with an eye toward God (Ke Akua). This is reflected in the ‘Olelo No’eau (Hawaiian proverbs) and Marianist core beliefs:

1. Educate for Formation in Faith (Mana) E ola au i ke akua (‘Olelo No’eau 364) May I live by God
2. Provide an Integral, Quality Education (Na’auao) Lawe i ka ma’alea a kū’ono’ono (‘Olelo No’eau 1957) Acquire skill and make it deep
3. Educate in Family Spirit (‘Ohana) ‘Ike aku, ‘ike mai, kōkua aku kōkua mai; pela iho la ka nohana ‘ohana (‘Olelo No’eau 1200) Recognize others, be recognized, help others, be helped; such is a family relationship
4. Educate for Service, Justice and Peace (Aloha) Ka lama kū o ka no’eau (‘Olelo No’eau 1430) Education is the standing torch of wisdom
5. Educate for Adaptation and Change (Aina) ‘A’ohe pau ka ‘ike i ka hālau ho’okahi (‘Olelo No’eau 203) All knowledge is not taught in the same school

What this course counts for:

This course is required for Environmental Studies and Environmental Science majors and minors. It also counts for your Natural Science general education requirement if you are a sophomore, junior or senior and for your Quantitative Reasoning requirement if you are a freshmen and therefore under our new General Education Program. If you are an Environmental major the table below shows you how this course helps you achieve the Program Learning Outcomes for Environmental Studies and Environmental Science and at what level of proficiency. Some of the Learning Outcomes are shared between Programs but not all! NOTE: If you are not an ENV major think about it! Environmental Studies is not a large major and it goes well with many other majors: BU + ENV, COM + ENV, ED + ENV, CJ = ENV, etc!!!!

Upon completion of the undergraduate B.S. program in Environmental Studies, students will be able to:

Environmental Studies Program Learning Outcomes	ENV 201/L
Authenticate their commitment to service, justice and peace through experiential project-based activities that enhance the condition of the integral ecology, care for creation and value all voices.	
Apply analytical methods and skills from multiple disciplines to environmental problems.	

Participate in, plan and execute environmental change-making strategies that employ scientific, political, socio-cultural, artistic, educational and economic skills and knowledge.	
Design and describe new futures and ideas that solve environmental problems and foster sustainability.	
Pursue throughout their education the ever-changing knowledge and skills that prepare them for the adaptation and change essential to environmental problem solving.	

Upon completion of the undergraduate B.S. program in Environmental Science, students will be able to:

Environmental Science Program Learning Outcomes	ENV 201/L
Authenticate their commitment to service, justice and peace through experiential project-based activities that enhance the condition of the integral ecology, care for creation and value all voices.	
Apply scientific reasoning and methodology to environmental problems.	
Identify the major physical, chemical and biological components, interactions and cycles of earth systems and ecosystems.	
Propose, design and participate in scientific research projects that document, describe and/or help solve environmental problems and foster sustainability.	
Pursue throughout their education the ever-changing knowledge and skills that prepare them for the adaptation and change essential to environmental problem solving.	

Introduces to the concept	
Develops the concept	
Gains mastery of the concept	

The COURSE Learning outcomes for the lecture and lab are the following:

Lecture: When you complete this course you should:

1. Know what science is and how scientific research is conducted and shared with others
2. Understand the role of science in enabling us to understand and problem-solve environmental phenomena
3. Understand the role of ethics in allowing us to define environmental problems and solutions
4. Be able to describe the major physical causes of habitat/ecosystem degradation and destruction
5. Be able to describe a number of potential solutions for global and Pacific Island habitat/ecosystem degradation and destruction
6. Know the basic structure and types of fresh water and terrestrial ecosystems
7. Understand the generalized sorts of interactions between organisms and their environment
8. Understand what a healthy ecosystem is and what sustainability means in general
9. Understand why human population growth occurred and what its future implications are for ourselves and other species
10. Demonstrate an understanding of the connections between academic work and real-life situations



Lab: When you complete this course you should:

1. Understand the scientific method and how to apply it to real environmental issues
2. Understand what descriptive science is and how it is important in environmental biology
3. Know the basic units used in making scientific measurements
4. Know and understand the taxonomic hierarchy, systematic biology methodology and the species concept
5. Know how to determine species abundance and distributions
6. Know some of the measures used to determine ecological stress
7. Know how to interpret and create graphs, tables and maps
8. Learn the importance of, and how to access and read, the primary scientific literature
9. Know how to design a scientific experiment aimed at supporting or disproving a particular hypothesis
10. Know how to prepare a formal laboratory write-up

Required Texts: *An Introduction to Conservation Biology*. 2016. [ISBN: 9781605354736]

Supplemental Texts: Many other articles, reports and exercises will come from other sources. All of them will be provided to you in Google Drive in the course folder.

Course Website: We will be using a shared Google Drive folder for this course located here:
<https://drive.google.com/drive/folders/1fVjJT7S3IdpS0FkIsCv0TQasPMiHMLk?usp=sharing>



Grading & Assessment:

Lecture grading will be quantified as follows:

Exam I and II	(20% each)	40%	400 pts
Habitat Type Project - Group Presentation		20%	200 pts
Conservation Fixes - Individual Presentation		20%	200 pts
10 hours of Service Learning + Survey, Video, Photo & Discussion		<u>20%</u>	200 pts
		100%	1000 pts

Lab grading will be quantified as follows:

Lab assignments, worksheets, info shares		50%	500 pts
Formal Lab Write-Up		20%	200 pts
Hypothetical Experiment Write-Up		20%	200 pts
Attendance		<u>10%</u>	<u>100 pts</u>
		100%	1000 pts

Letter grades are interpreted as follows:

- A = Outstanding scholarship and an unusual degree of intellectual initiative
- B = Superior work done in a consistent and intellectual manner
- C = Average grade indicating a competent grasp of subject matter
- D = Inferior work of the lowest passing grade, not satisfactory for fulfillment of prerequisite course work
- F = Failed to grasp the minimum subject matter; no credit given

Grading procedures and the components of your grade:

Lecture grades will be determined to written exams using a curve with the mean score for the class being a B- and the score immediately below the mean being a C+. This will be explained in detail in class. The two lecture exams will cover the material from the start of class up until the first exam and the material after the first exam up until the end of the course. I.e. Exam II is NOT cumulative. These exams will have a variety of types of questions on them. A review sheet will be handed out before each exam. The details surrounding the lecture presentations and service learning assignment will be explained in class and via handouts. The factors that determine your particular grade for both presentations and your service learning will also be explained in a grading rubric handout.

Lab grades for oral and written lab assignments and worksheets will be determined based on your *effort*, *correctness* (when there is a correct response etc.) and your *thoughtfulness*. Effort in general manifests itself as neatness, completeness, thoroughness, calories expended per unit time(!), timeliness, correct spelling, any extra creative things you do above-and-beyond what is expected, etc. Correctness means do your statements jive with corresponding scientific knowledge, do your conclusions follow from the evidence before you, did you calculate an equation correctly, interpret a graph accurately, make a table that illustrates your data properly, etc. Thoughtfulness can show up in many ways, perhaps you really think things through, trying to consider all the variables or you worked hard to tie pieces of evidence together, maybe you consider something that may be important that everyone else ignores. By being “thoughtful” I don’t mean that you look out for other people (i.e. are kind) I mean that you have done some thinking, really reflected upon a topic, have given it some time, have analyzed it, etc. thoroughly.

Service Learning Requirement:

All of you will be required to participate in 10 hours of hands-on, community-based service-learning or citizen science projects. Each of you will choose your own project(s). I will provide you with good links to service projects throughout the semester. You may also share projects you know about with each other and as long as

they relate to the topics we cover in class, they can count. There are always many service projects out there related to the topic of this class! At the completion of your ten-hours of service you'll need to fill out: (1) the "Service Learning Reflection" form [here](#), (2) the Google "Service Learning Activity Record" [here](#) listing what you did, (3) upload at least one photo [here](#), (4) make a 60 second video and upload [here](#), and (5) fill out the Service Learning & Our Marianist and Pacific Island Values Discussion in Canvas. Don't worry I will help you find all these and remember to do them!

Attendance and your grade:

In my on-ground science courses I usually make attendance in lecture optional. However, the vast majority of students attend because classes are so fun and interesting... plus, its science, so there is a lot to learn! ☺ However, we are HYBRID this spring and I am going to run lecture synchronously most days = **for lecture we are going to meet in-person + via Zoom at our scheduled class time (1:00-2:20 TTh) on most days.** Roughly 50% of our labs will be synchronous and 50% asynchronous = done on your own time. On the days we meet at our scheduled lecture or lab time I am going to require that you attend in person or via Zoom. I am doing this because I know from the past two online semesters that most of you enjoy and learn better from a synchronous real-time experience, plus it helps you get to know each other! **I will let you know exactly what is going on in both lecture and lab via a weekly email sent to you every weekend that covers the details of the coming week.**

Each of you are allowed two "freebie" unexcused lecture absences, and NO "freebie" unexcused lab absences. After that, unexcused absences DO negatively affect your grade! Excused absences occur when you have a doctor's note, a wedding announcement, provide notice of participation in an athletic event, have to go in to work, don't feel well, etc. Unexcused absences occur when you were surfing, sleeping, cramming for an exam in another class, etc. Finally, I am a scientist, so I require hard evidence if an absence is to be excused. If your car breaks down on the way to an exam or lab take a picture and make SURE I can verify the date and time of the breakdown and it will be an excused absence, ☺, however, no evidence; no excused absence.

Extra Credit Options:

Throughout the course I will make environmental service-learning outings available to you when I am made aware of them. You may also find environmental service opportunities on your own. Once you have finished your 10-hours of mandatory service, any extra service earns you extra credit! For every service-learning activity that you participate in (after you complete your 10-hours) that entails 4-5 hours of work, you will receive +5 extra credit points. Also, periodically throughout the course there will be livestream talks and webinars you may attend that pertain to the course material. You can earn +2 extra credit points towards a lecture exam for each talk you e-attend with content related to the course content. In order for all talks and service activities to count for extra credit you MUST have them approved by Dr. Gail PRIOR TO the event and you MUST document your presence with a photograph of yourself participating or some other kind of evidence. You may earn up to 30 extra credit points from service activities, testimonies and/or attending talks/presentations.



Class Schedule: Spring 2021

Part I Knowledge, Ethics & the Environment in General

<u>WEEK</u>	<u>TOPIC</u>	<u>ACTIVITIES</u>
1	Course intro; Survey; Who we are; Course path; Lab 1: Video: “Endangered Planet” and <u>Value of Nature Intro Poems</u> ; Important terms & concepts General human effect on the environment intro	Review course syllabi; questionnaire Watch it here ! Intropoem handout is here ! Upload your Poem here by 2/8 Read: “Human Domination...” here
2	Lab 2: Survey of issues that concern us General human effect on the environment: Land Transformation; Oceans Alteration of biogeochemical cycles	Share a terrestrial enviro issue ; Read our poems QUIZ on “Human Domination” on 2/9! Read: “Living Planet Report 2020” here
3	Lab 3: Indigenous Knowledge Lab (No meeting!) Alteration of biogeochemical cycles (cont’d) Biotic change and species loss Boundaries we may have overstepped already...	Handout & worksheet due 2/22 here QUIZ on “Living Planet Report 2020” on 2/18 Skim: “A Safe Operating Space for Humanity”
4	Lab 4: Metric Measure & Gathering Data: “Maskmatics!” What is science? Underlying philosophy & methods Science, traditional knowledge and ecological ethics What is Conservation Biology?	Worksheet here due here by 3/1 Your mask data due here by 3/8 Read: “The Philosophy of Science” Read/Review: Textbook chapter 1 Hypothetical Experiment Hypothesis explained! QUIZ on “The Philosophy of Science” on 2/25

Part II Pristine Nature: Biodiversity and Ecology

<u>WEEK</u>	<u>TOPIC</u>	<u>ACTIVITIES</u>
5	Lab 5: Biological Diversity (Go as a class or alone!) The history of life on earth The characteristics and requirements of life	Fieldtrip to the Zoo OR Dr. Gail’s “Virtual Tour”! Read/Review: Textbook chapter 2 History of Life Power Point by Dr. Gail
6	Lab 6: Value Lab (in lab) & Eco Footprint Calculation (on your own!) Life: Unity and diversity and their implications... Evolution: Evidence Evolution: Patterns	Bring “in” something to assign value to Online calculations + Worksheet Read/Review: Textbook chapter 3 Evidence of Evolution Power Point by Dr. G. Read/Review: Textbook chapter 6
7	Lab 7: Beetle Biology and Life History Mini Pres’s! Evolution: Mechanisms, Speciation & Extinction <u>EXAM I</u>	Mini-written report due; In-class info share Hypotheses Due <u>EXAM I</u>



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|----|---|---|
| 8 | Lab 8: Life Expectancy & Fertility Rate Lab
Human historical place in nature; World Pop Clock
Ecological principles; causal networks | Online Worksheet ; Add your family's data!
Habitat Type Presentation Explained |
| 9 | Lab 9: Island species: Native and invasive species
Abiotic & Biotic ecological interactions
Ecological productivity; <i>Ecosystems</i> | St. Louis Hike; Worksheet

Read/Review: Textbook chapter 4 |
| 10 | Lab 10: Habitat Presentations
Soil; Earth's habitats & systems
Ecology wrap-up | Habitat Type Oral Presentations

Revised Hypothesis due! |

Part III
Island Populations and Challenges

<u>WEEK</u>	<u>TOPIC</u>	<u>ACTIVITIES</u>
11	Lab 12: Quantifying habitat variation in the field Pacific peoples and their island homes Islands: Why each is unique & things they all share... Islands: Types, geology, climate and dispersal	Fieldtrip to Makapu'u; Graph worksheet Read/Review: Textbook chapter 5 Island Types Power Point by Dr. Gail Read/Review: Textbook chapter 7
12	Lab 13: IDing Birdsong in a Hawaiian Forest & Formal Lab Help Day! (Don't miss it!) Islands: Endemism and adaptive radiations Islands: Invasive species & extinctions	Worksheet, Awards for those who ID first! Your Formal Lab uses Makapu'u or Mask data! Adaptive Radiation Power Point Endangered & Invasive Species cards Read/Review: Textbook chapter 8 & 9

Part IV
Restoring Biodiversity & Living Sustainably on Island Earth

<u>WEEK</u>	<u>TOPIC</u>	<u>ACTIVITIES</u>
13	Lab 14: Global Big Day Bird Count! (On your own!) Island Earth: Island vs global threats Protected areas; Ecological restoration UN Devel Goals & Conservation: Link here Your Conservation Fixes and Intropoem ideas!	Prep in lab: GBD is 5/8 data due by 5/14! Read: "Mind in the Biosphere; Mind of the..." Read/Review: Textbook chapter 10 QUIZ on "Mind in the Biosphere;..." on 4/30!

Important Dates You Should Know:

- **EXAM II** will be on the day our Final Exam is scheduled for: Tuesday May 4th from 1:15-3:15.
- Your **Formal Lab Write-up** and **Part II of the Hypothetical Experiment Project: Designing an Experiment** are all due by Friday May 7th midnight! = no later than 11:59 PM. Late papers will not be accepted!



Alignment of Natural Sciences Courses with Marianist & Hawaiian values of the University:

The Natural Sciences Division provides an *integral, quality education*: sophisticated integrative course content taught by experienced, dedicated, and well-educated instructors.

- *We educate in family spirit* – every classroom is an *Ohana* and you can expect to be respected yet challenged in an environment that is supportive, inclusively by instructors who take the time to personally get to know and care for you.
- *We educate for service, justice and peace*, since many of the most pressing global issues (climate change, health inequity, poverty, justice) are those which science and technology investigate, establish ethical parameters for, and offer solutions to.
- *We educate for adaptation and change*. In science and technology, the only constant is change. Data, techniques, technologies, questions, interpretations and ethical landscapes are constantly evolving, and we teach students to thrive on this dynamic uncertainty.

The study of science and technology can be formative, exploring human creativity and potential in the development of technologies and scientific solutions, the opportunity to engage in the stewardship of the natural world, and the opportunity to promote social justice. We provide opportunities to engage with the problems that face Hawai'i and the Pacific region through the Natural Sciences curriculum, in particular, those centered around severe challenges in health, poverty, environmental resilience, and erosion of traditional culture. The Marianist Educational Values relate to Native Hawaiian ideas of *mana*, *na'auao*, *ohana*, *aloha* and *aina*. We intend for our Natural Sciences programs to be culturally-sustaining, rooted in our Hawaiian place, and centered on core values of *Mai'au*, be neat, prepared, careful in all we do; *Makawalu*, demonstrate foresight and planning; *`Ai*, sustain mind and body; *Pa`a Na`au*, learn deeply.

Grades of "Incomplete":

Students and instructors may negotiate an incomplete grade when there are specific justifying circumstances. When submitting a grade the "I" will be accompanied by the alternative grade that will automatically be assigned after 90 days. These include IB, IC, ID, and IF. If only an "I" is submitted the default grade is F. The completion of the work, evaluation, and reporting of the final grade is due within 90 days after the end of the semester or term. This limit may not be extended.

Instructor and Student Communication:

Questions for this course can be emailed to the instructor at [ggrabows@chaminade.edu]. Online, in-person and phone conferences can be arranged. Dr. Gail will get back to you in person or via email or text ASAP usually within one day. Please if you text Dr. Gail include your name in your text!

Cell phones, tablets, and laptops:

Music Devices and Cellular Phones: Unless specifically permitted by your instructor, use of music devices and cell phones is prohibited during all Natural Science and Mathematics classes, as it is discourteous and may lead to suspicion of academic misconduct. Students unable to comply will be asked to leave class. Out of consideration for your classmates, please set your cell phone to silent mode during class.

ADA Policy:

Statement from the [New Student Handbook](#)

Pursuant to federal and state laws, including the Americans with Disabilities Act of 1990 as amended by the ADA Amendments Act of 2008 and Section 504 of the Rehabilitation Act of 1973, all qualified students with disabilities are protected from discrimination on the basis of disability and are eligible for reasonable accommodations or modifications in the academic environment to enable them to equal access to academic programs, services, or activities. If a student would like to determine if they meet the criteria for accommodations, they should contact the Counseling Center in the Student Support Services Building, Room 101, by phone at (808) 735-4845 or email: counselingcenter@chaminade.edu for further information. Web: studentaffairs.chaminade.edu/counseling-center/counseling-services

Title IX Compliance

Chaminade University of Honolulu recognizes the inherent dignity of all individuals and promotes respect for all people. Sexual misconduct, physical and/or psychological abuse will NOT be tolerated at CUH. If you have been the victim of sexual misconduct, physical and/or psychological abuse, we encourage you to report this matter promptly. As a faculty member, I am interested in promoting a safe and healthy environment, and should I learn of any sexual misconduct, physical and/or psychological abuse, I must report the matter to the Title IX Coordinator. If you or someone you know has been harassed or assaulted, you can find the appropriate resources by visiting Campus Ministry, the Dean of Students Office, the Counseling Center, or the Office for Compliance and Personnel Services.

Classroom Atmosphere: (See the Student Handbook for CUH's Academic Conduct Policy: <https://chaminade.edu/wp-content/uploads/2019/08/NEW-STUDENT-HANDBOOK-19-20-Final-8.20.19.pdf>)

Specific to Dr. Gail's classes: Guys, I value a very open, yet courteous class atmosphere. *Express your thoughts! Ask your questions!* (The only dumb question is the one in which you ask yourself if you should ask your question.) Respect the thoughts and ideas and opinions of others – really think about what others say. Let them express themselves fully, then you do the same. **The thing I value most from my college days are all the wonderful, valuable, diverse ways of looking at and understanding the world that I was exposed to by my fellow students and my professors. Be an open vessel – take ideas in! You will learn as much from each other as you do from me.**

This syllabus and course schedule are living documents: they are free to change. I try to adhere as closely as possible to them for your convenience, but there will be times in which we will take longer on a particular topic or add or delete a topic to enhance the course. I like to be able to react to you as the course proceeds and go with the flow a bit in order to make the course experience sort of custom fit to you!

You are responsible for all of the information in this document: losing it or not reading it do not make you exempt from knowing what's in it!

Use this syllabus to keep you organized and aware of important dates and how your grade is determined.