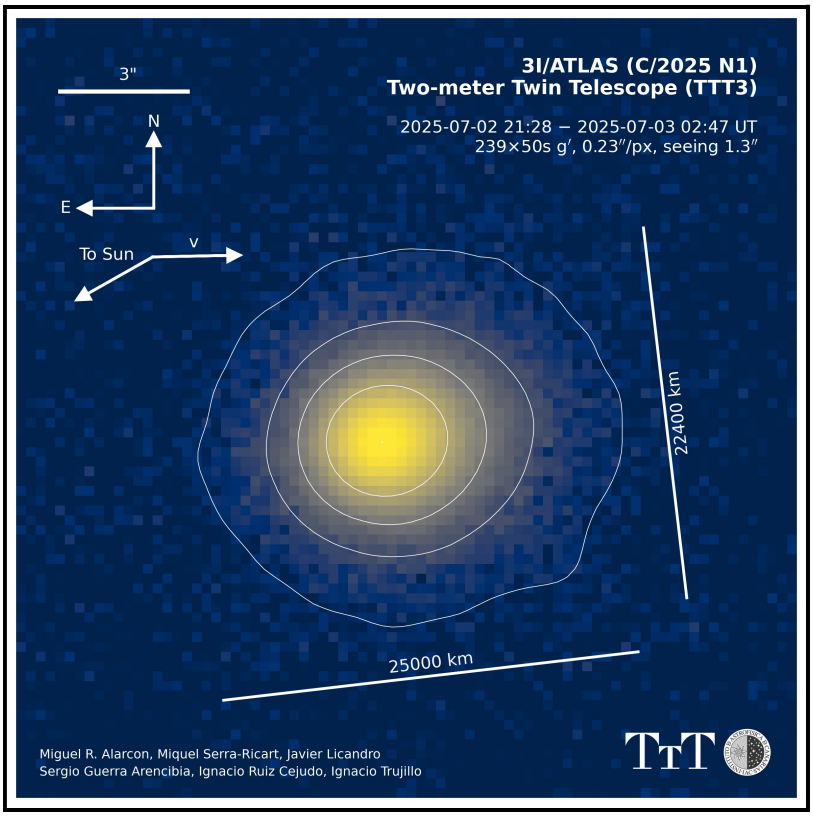
Physics 165x

Introduction to Astronomy
4 Credits

Dr. Mark Conde



What is this Fuzzy Blob? Each year I like to start the syllabus with an important recent image of something located far out in space. Often these images are spectacular and pretty. But not this one – it's just a fuzzy blob. So: What is it about this one that makes it so important that I have chosen it (ahead of many prettier alternatives) as the cover image for 2025? Discuss.

[Image source: https://lightbridges.es/wp-content/uploads/2025/07/3I_stacked_20250702.png]

Overview

Description

This will be a standard 100-level undergraduate introduction to astronomy for non-science majors. It covers the science of astronomy and its societal consequences, with an emphasis on the interrelationships between astronomy and other sciences. As listed in the UAF Catalog, the topics to be covered are:

- Astronomical concepts and tools
- Earth-based and satellite observation of light
- The solar system
- Stellar astronomy
- Galaxies & Cosmology

There is an associated lab component, in which we will undertake some practical hands-on investigation of the tools and techniques used by astronomers to observe and understand the universe around us. When the weather permits, we may offer additional evening opportunities to use telescopes on the roof of the Reichardt building to observe some interesting sky objects. This part of the course is offered solely for your interest and enjoyment, so participation in these possible sky observing sessions is voluntary.

Bachelor's degrees at UAF incorporate a common set of learning experiences known as the General Education Requirements (GER). Requirements to meet the GER in Natural Sciences can be found here or summarized here. PHYS165X can be used by students to meet the University of Alaska's General Education Requirement (GER) in Natural Sciences, subject to the following stipulations:[1]

- Students must earn a C- grade or higher in each course used to meet a baccalaureate GER.
- Natural science and mathematics credits used to satisfy general education requirements can also be used to satisfy major requirements.

GER courses are required to address some or all of the following specific requirements:

- Build knowledge of human institutions, sociocultural processes, and the physical and natural world through the study of the natural and social sciences, technologies, mathematics, humanities, histories, languages and the arts.
- Develop intellectual and practical skills across the curriculum, including inquiry and analysis, critical and creative thinking, problem-solving, written and oral communication, information literacy, technological competence, and collaborative learning.
- Acquire tools for effective civic engagement in local through global contexts, including ethical reasoning, intercultural competence, and knowledge of Alaska and Alaska issues.
- Integrate and apply learning, including synthesis and advanced accomplishment across general and specialized studies, adapting them to new settings, questions and responsibilities, and forming a foundation for lifelong learning.

In order to meet these requirements, this course will include substantial emphasis on major concepts in natural science, including:

- Consideration of the scientific method, as it applies to astronomy
- An experimental/laboratory component

[1] See https://catalog.uaf.edu/bachelors/#gurbachelorsdegreestext

- Consideration of the societal relevance of astronomy, and how it interacts with public policy

Major concepts and the scientific method will be discussed in lectures during the first few weeks, and you will apply these ideas in practice during the labs. The societal importance of astronomy will also be discussed in lectures, and a number of homework questions ask you to discuss issues of societal relevance. This course is not designated as Alaska Native Themed.

GER Natural Science courses are required to undergo regular Student Learning Outcomes Assessments. One of the consequences of this is that the University may request additional feedback from you regarding your assessment of the conduct and value of this course.

The course will be closely linked to the assigned textbook (*Universe*, 9th, 10th, or 11th editions) although at times we may cover the topics in a slightly different order.

Course goals and student learning outcomes

Upon completion of this course students will:

- Understand the tools and techniques of scientific study, and how these have been used to establish our current knowledge of the universe.
- Be familiar with the hierarchy of objects that make up the universe, how they are distributed through space, and how Earth is placed in this universe.
- Understand the basic nature of these objects – how they formed, how they behave, and what their ultimate fates are likely to be.
- Be familiar in particular with the solar-system objects that are our near neighbors in space and may one day provide additional options for human habitation and resource extraction.
- Appreciate the societal relevance of astronomy and its connection to other fields of science.

My goal as an instructor is to provide every student with maximum possible opportunity for success. This means that I try to be as flexible as possible with the course requirements, to avoid creating needless hurdles. Nevertheless, some penalties for missed or late work are necessary; my policies in this regard are outlined below.

Instructor information

Instructor:	Dr. Mark Conde	Email: mgconde@alaska.edu
	Office locations:	Reichardt room 110 or 113.
	Office Phone:	474-7741
	Office hours:	9:30-11:00 Tuesday & Thursday, or immediately after class on these days.
Teaching Assistant:	Stone Gardner:	Email: smgardner@alaska.edu Office hours: TBD
Lab Manager:	Joseph Storm:	Email: jhstorm@alaska.edu Office: REIC room 114. Phone: 474-7857
Office Manager:	Liya Billa:	Email: lkbilla@alaska.edu Office: Reichardt room 102 Phone: 474-7339

Target schedule

Week	*Dates*	*Topics (from the textbook Universe)*	*Labs*
1	Aug 25 - Aug 29	Class introduction, Chapter 1	None
2	Sep 01 - Sep 05	Chapters 2-3	Math Review
3	Sep 08 - Sep 12	Chapters 4-5, Quiz 1	1
4	Sep 15 - Sep 19	Chapters 6-7	2
5	Sep 22 - Sep 26	Chapters 8-9, Quiz 2	3
6	Sep 29 - Oct 03	Chapters 10-11	4
7	Oct 06 - Oct 10	Chapters 12-13, Quiz 3	5
8	Oct 13 - Oct 17	Chapters 14-15	6
9	Oct 20 - Oct 24	Chapters 16-17	7
10	Oct 27 - Oct 31	Chapters 18-19, Quiz 4	8
11	Nov 03 - Nov 07	Chapters 20-21	9
12	Nov 10 - Nov 14	Chapters 22-23, Quiz 5	10
13	Nov 17 - Nov 21	Chapter 24, 25	11
14	Nov 24 - Nov 28	Thanksgiving week, Chapter 26	None
15	Dec 01 - Dec 05	Chapters 27-28, Quiz 6	Make-up
16	Dec 08 - Dec 12	Finals week	None
17	Dec 15 - Dec 19	Grades posted by Dec 17	

Note that this is a rather ambitious schedule, requiring us to cover roughly one chapter from *Universe* per lecture. It is unlikely that we will make it all the way to the end of the book as shown here, but I at least want to complete up to Chapter 24.

Epidemic & Sickness Policies

For this class, the lectures and labs will be presented face-to-face. Students attending class should keep up-to-date on the university's policies, practices, and mandates related to illnesses. The COVID-19 policy is available here https://sites.google.com/alaska.edu/coronavirus/.

Be aware that the university has ended its formal pandemic response. Nevertheless, covid-19 will evolve, in currently unknown ways, and on a weekly basis. Procedures and policies will change as needed.

Course components and instructional methods

Instructional materials

Material for this course will be prepared electronically and will be available *over the web via the "Canvas"[2] system* at https://www.uaf.edu/canvas/. Material to be posted this way includes:

- Course syllabus (this document)
- Lecture notes (see comments below)
- Homework problem sets
- Lab notes
- Supplementary handouts

[2] All students should have access to Canvas. Please let me know if you have difficulties with this. I find that the quickest way to access Canvas is via the "quick link" at the top of the UAF home page.

- Online student grades

Lectures

Lectures will be held face-to-face, on Tuesdays and Thursdays from 11:30 am – 1:00 pm in Reichardt room 202.

I will be presenting lectures using a combination of computer slides and additional notes, diagrams etc. drawn by hand on a whiteboard. I will post printable versions of the electronic lecture notes online ahead of time. You should read the lecture notes and the relevant chapter from *Universe* beforehand. Many students may find it helpful to annotate these notes with your own supplemental notes during the lecture.

Labs

Generally, each student will be expected to complete one lab session per week. There are currently two lab sections allocated for this class, meeting in room 252 of the Reichardt building, and run from 2:15pm to 5:15pm on Tuesdays or Thursdays.
No regular lab sessions are scheduled during the first week of class, or during the week of Thanksgiving. Labs in the final week of semester will consist of telescope observing sessions and/or recitations in preparation for the final exam.

There will be a total of 11 labs. Lab write-ups should be completed during the lab, and turned in to the TA at the end of the session. Your worst lab score will be discarded; the remaining 10 scores for your lab participation and write up will contribute to your final grade. Complete lab policies are outlined in more detail in a separate document that will be available from the PHYS165 Canvas site.

Laboratory sessions are a vital part of this course, and should not be missed. To pass this course, ***there is an absolute requirement that you must attend and write up at least 8 of the labs.*** Any student failing to reach this number will automatically fail.

Homework

Homework will be assigned each week during the Thursday lecture, and will be due by 5:00 pm on Friday of the following week. ***All homework will be assigned, submitted, and graded using UAF's "Gradescope" tool.*** This means your completed work must be either scanned or photographed, and uploaded to Gradescope. Here is a link to a series of tutorial videos explaining how to perform various functions in Gradescope, including submitting homework:

- https://www.gradescope.com/get_started#student-submission

There are two reasons for using Gradescope to submit homework. First, it provides verification that your work has been submitted, along with secure storage to prevent any work getting lost. Second, it allows you to submit work at any time, without needing to be on campus or have access to a physical submission box. The reason the homework deadlines are on Friday is to allow you to speak to your lab instructor during the Tuesday or Thursday lab session if you need help with the homework problems. Further, since you will already be on campus to do the lab, this is also an opportunity to use the campus network for your homework submission if you have limited or no internet access from your home.

Please realize that even if you submit a correct solution to a problem, your grader may not recognize it as correct if it's poorly presented. To maximize your chance of scoring well, your homework should:

- Be neatly laid out
- Be largely free from crossing-out and over-writing
- Include some verbal description explaining the approach and reasoning that you used to solve the problem
- Use grammatically correct English and be well enough written that the grader can understand what you're trying to say

If necessary, I may decide to delay the homework deadline dates, to ensure that we have covered the relevant material in class before tackling it as homework.

Exams and Quizzes

There will be six 20-minute quizzes during the semester and one two-hour final exam. The preliminary dates for these are

- Quizzes: Sep 11, Sep 25, Oct 9, Oct 30, Nov 13, and Dec 4.
- Final:[3] 1– 3p.m., Wednesday, December 10

Quizzes will be held in-person, at the end of every second Thursday's lecture, during the last 20 minutes of our regularly scheduled class time. Only your best 5 quiz scores will contribute to your final grade. Your lowest quiz score will be discarded and will make no contribution. If necessary, I may decide to adjust the dates when we do quizzes, to ensure that we have covered the relevant material in class before tackling it in a quiz. Quizzes and the final exam make a large contribution to your final grade. I try to make these as easy as possible, and past experience has been that most students perform well on these tests.

Course policies

Grading

The course grade be determined in accordance with UAF's overarching grading policies, which are published here: https://catalog.uaf.edu/academics-regulations/grades/

Four course components will contribute to your final grade: homework, labs, quizzes, and a final exam. Each of these components, apart from the final exam, is itself composed of multiple individual assignments or tests. These four components will contribute to the final grade as follows:

- Homework: 24% (2% each for 12 assignments)
- Best 10 out of 11 labs: 30% (3% each for 10 labs)
- Best 5 out of 6 quizzes: 25% (5% each for 5 quizzes)
- One two-hour final exam: 21% (Makes up 100%)

I will post all grades online, using the UAF's "Canvas" system. All registered students have access to this system for checking their grades. Please do *check that we have posted all your grades correctly*, and let me know if you think there is an error. Also, please make a copy of any grading results that you feel may be incorrect. It will help me understand your concern if you can show me exactly the grading feedback that you received.

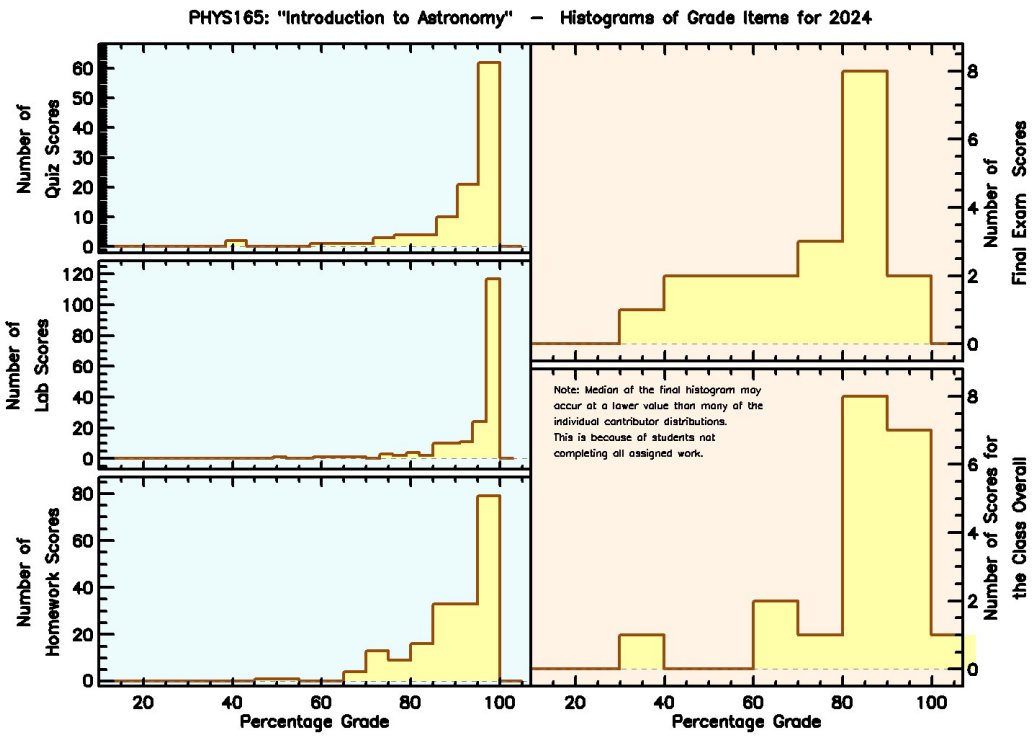
Please be aware that although Canvas may provide a running estimate of your overall score for the class, that estimate may not be 100% accurate. This is because it may not total the contributing grades in quite the same way as I describe above. (It does not drop the lowest lab or quiz score, for

[3] The UAF final exam schedule is published here: https://www.uaf.edu/reg/general-info/finals.php

example.) Also, in some circumstances, the running estimate may be based solely upon grades received for assignments that have been turned in; missing assignments may be ignored. However, the actual grade will be calculated from all assignments, including those not turned in, which will be assigned a score of zero. Clearly, Canvas will significantly over-estimate the final grade if it fails to account for these scores of zero. Nevertheless, the running grade estimate can be a useful guide for students who are aware of these caveats.

Final grades will be returned as letter grades with plus/minus modifiers. These will be derived from your overall percentage grade. The approximate conversions for each letter grade will be as follows. A: ≥90%; B: 75% to 90%; C: 60% to 75%; D: 50% to 60%; F: <50%. Plus/minus modifiers will subdivide each main grade into three equally spaced sub-levels.

For those who are interested in actual data to illustrate how challenging this class might be, the figure below shows histograms of overall scores for the various course components for the class of 2024.



These results are very typical of the more than ten years that have taught this course previously. As you can see, submitted work usually scores highly. **By far the strongest risk factor for a low grade in this class is due to failure to complete and submit assigned work.** Even so, it is typical for two-thirds or more of the final grades to be above 80%.

Attendance

UAF policy[4] states that "you are expected to adhere to the class attendance policies set by your instructors." I do not typically record attendance, and I do not have a "one size fits all" attendance policy. I do know from years of classroom experience that low attendance almost always results in

[4]See http://catalog.uaf.edu/academics-regulations/attendance/

low or failing grades. So, in cases of significantly low attendance, I will follow-up with relevant students to see if any accommodations could help. Students with very low attendance and who are not turning in work may be subject to an instructor-initiated withdrawal (depending on extenuating circumstances.)

The university of Alaska Fairbanks recognizes that students can encounter circumstances beyond their control that do require extended absences, for example:

- Bereavement
- Personal illness or injury
- Serious illness of a friend, family member or loved one
- Military obligations
- Jury service
- Other emergency or obligatory situations

I am committed to maximizing student success as much as possible, which means I will gladly work with any student to try to accommodate situations like these.

Class participation

There is no requirement for you to participate actively in class by asking questions or joining discussions, and there is no grade component based on this. Nevertheless, I encourage discussion questions at any time during the lectures. Because we have a large amount of material to cover, I may defer answering lengthy or numerous questions until after class.

Low or Incomplete Grades

It is important to understand the implications of receiving a letter grade of "C" or below for this course. The table below (published in 2013)[5] is the most recent explicit statement I can find regarding these policies. I have not been able to locate a more current replacement. So be aware that policies may have changed (although, again, I do not think this is very likely).

Here is a link to a document published by UAF in 2020 that describes potential impacts that low grades may have on Financial Aid & VA Education Benefits:

- https://www.uaf.edu/provost/files/Grade%20and%20Status%20Implications.pdf

This course follows the University of Alaska Fairbanks Incomplete Grade Policy: "The letter "I" (Incomplete) is a temporary grade used to indicate that the student has satisfactorily completed (C or better) the majority of work in a course but for personal reasons beyond the student's control, such as sickness, has not been able to complete the course during the regular semester. Negligence or indifference are not acceptable reasons for an "I" grade."

Needless to say, a grade of "F" represents a failure. Zero grade points will be awarded, and the course must be re-taken to receive credit.

[5] https://www.uaf.edu/uafgov/files/Info-to-Publicize-C_Grading-Policy-UPDATED-May-2013.pdf

Grade / Grade Points	Definition and academic implications
C+ (2.3) C (2.0) C- (1.7)	"C" (including C+ and C-) indicates a satisfactory level of acquired knowledge and performance in completion of course requirements. **C- (1.7) is the <u>minimum</u> acceptable grade that undergraduate students may receive for courses to count toward the major or minor degree requirements, or as a prerequisite for another course. A minimum grade of C (2.0), however, MAY be required by specific programs for prerequisite and / or major / minor courses. Please consult specific program listings in the UAF Catalog.** **C- (1.7) is the <u>minimum</u> acceptable grade required for all Core (X) Courses.**
D+ (1.3) D (1.0) D- (.7)	"D" (including D+ and D-) indicates a minimal level of acquired knowledge and minimal performance in completion of course requirements. This grade does not satisfy requirements for courses in the major, minor, Core, or graduate programs.

Table updated 5/21/2013

Missed or late work

A make-up quiz will be offered if a student misses a quiz due to illness, clash with another UAF commitment, or other genuine emergency. Determination of whether circumstances justify this make-up will be at the discretion of the instructor. An unexcused absence will lead to 0 points earned on that quiz.

The Physics Department typically offers opportunities for students to perform in-person make-ups for missed labs(s) during the last week of the semester. Students will normally be allowed to make up at least one missed lab this way. Making up more than one missed lab will be at the discretion of the lab teaching assistant – whether this is possible will depend on availability of lab equipment and TA time, both of which are in turn dependent on the level of demand for make-ups.

Problem sets will generally not be accepted after the due date, without evidence of illness or genuine emergency. Students having documented clashes with other UAF commitments may pre-arrange alternate homework submission deadlines with me. All decisions regarding late homework or alternate deadlines will be at the discretion of the instructor.

Codes of conduct

<u>Behavior in class and on campus</u>

It is the responsibility of each student to be informed about the policies for student conduct and safety at the University of Alaska. You are encouraged to read these policies at https://www.uaf.edu/titleix/title-ix-at-uaf/index.php and https://uaf.edu/csrr/student-conduct/, and links therein. I am committed to providing a welcoming, safe, and inclusive classroom experience for all students. This means that all students in my class are expected to:

- Treat everyone with respect
- Foster welcoming, collaborative, and supportive class interactions
- Adhere to federal, state, and local laws, including permitting regulations

The following behaviors are unacceptable and will result in immediate reporting to UAF authorities:

- Physical or verbal abuse or assault
- Sexual misconduct
- Discrimination, harassment, or bullying based on age, color, disability, genetics, gender, gender identity and expression, marital status, nationality, parenthood, pregnancy, race, religion, sex, sexual orientation, or veteran status
- Intimidation, threats, retaliation, and coercion
- Behavior that endangers the health and safety of oneself or others
- Illegal activity, including possession or use of federally illegal substances
- Smoking inside the building
- Disregard for the physical property of others
- Inconsiderate or offensive behavior

Reporting misconduct

Students at this university are protected against sexual harassment and discrimination (Title IX), and minors have additional protections. Please be aware that if I notice or am informed of certain types of misconduct, then **I am required to report it** to the appropriate authorities.

For more information on your rights as a student and the resources available to you to resolve problems, please go the following site: https://www.uaf.edu/orca/index.php.

UA is an AA/EO employer and educational institution and prohibits illegal discrimination against any individual: https://alaska.edu/nondiscrimination/.

Academic integrity

The University of Alaska is a federally accredited tertiary academic institution which, among other things, means it is committed to requiring and maintaining strong standards of academic integrity for all faculty, staff, and students. Current standards relating to student academic integrity and misconduct are published here:

- https://www.uaf.edu/orca/student-conduct/academic-misconduct.php

It should go without saying that students are expected to do their own original work for all assignments. Copying from other students or indeed from any source that is not your own work constitutes plagiarism. Failure to comply with UAF policies may be considered academic misconduct and may result in a failing grade (either for individual portions of work, or for the entire course, depending on severity.) Serious cases will be referred to university authorities for possible further disciplinary action.

Policy on use of artificial intelligence tools

You are free to use AI tools for homework and lab write-ups. However, you should be aware that research has demonstrated that over-dependence on these tools can actually harm your ability to solve problems and to think creatively.

You should also understand that these models can at times produce entirely fictitious and fabricated outputs, for example incorrect “facts” and fake citations. Image generation models are particularly unreliable for scientific use, and can occasionally generate highly offensive products. You will be responsible for any inaccurate, biased, offensive, or otherwise unethical content you submit regardless of whether it originally comes from you or an AI model.

If you turn in work that includes material generated by an AI program, it should be cited like any other reference material, but with an additional indication that it was the result of AI (and so

should be treated with due caution.) Submitting output from an AI program as your own original work is plagiarism and, if detected, will be treated as such. In my experience, the most effective way to use AI in a class like this is as a "smart research assistant". AI can be very helpful for providing a quick summary of what is known about a particular topic, or to provide explanations of specific topics or questions that you do not understand. But, once again, always treat output from an AI tool as unverified suggestions, rather than established facts. While many people use AI as a writing assistant, it is most effective in this application if you're striving for prose that is bland and mediocre. You need to believe that you can do better. Whether or not you succeed is unimportant; you will benefit greatly benefit from at least trying. (And, once again, submitting verbatim text generated by an AI tool is plagiarism.)

Student responsibilities

It is the responsibility of all students to be aware of the various requirements of the class. This includes knowing what work is required, when the deadlines are, and how this work should be turned in. These requirements are clearly outlined in the syllabus, and multiple reminders will be given in class. Lack of awareness of a requirement will not be regarded as an acceptable rationale for failing to meet it.

The department takes great care to ensure that all submitted work is graded fairly and that the resulting scores are correctly credited to the students who submitted the work. Nevertheless, scores occasionally do get entered incorrectly or missed altogether. It is the responsibility of students to check their scores in Canvas frequently, and to notify the instructor and/or TA immediately any discrepancy is noted.

Course requirements and materials

Prerequisites

As per the UAF catalog:

- Prerequisites: Placement in WRTG F111X; placement MATH F105.
- Co-requisites: PHYS F165L.

Alternatively, regardless of the stated prerequisites, students may enroll in this class if given permission by the instructor.

Textbooks

Required:

- *Universe*, 9th, 10th, or 11th Editions, by Freedman, Geller, & Kaufmann (W.H. Freeman & Co.)

Recommended additional reading: There are numerous excellent 100-level astronomy books available now. Any of the recent ones would likely be helpful for this course.

Note that online notes will be provided. However, these will make frequent reference to the more extensive treatment of topics that appears in the book.

Calculators

You will need access to a calculator to complete some of the homework problems. Calculators will also be permitted during quizzes and the final exam, although I rarely pose problems on these tests that require one. You will not need anything elaborate; an easy-to-use basic scientific calculator is all that you will need. Remember that it is much more important to present the correct reasoning for solving a problem than it is to arrive at the correct numerical value. Please, explain your reasoning when presenting solutions to homework and exam problems. I will award partial points for correct reasoning, if presented, even if the final answer is incorrect or incomplete.

Support Services

Homework help

I have set the weekly homework deadline to be on Friday evening. This was chosen so that you can (and should) speak to your lab TA during your lab class if you need additional homework help. The TA will have seen my solution to each problem, so they know what I am expecting. They can help you understand what is being asked, how to tackle the problem, and how to present your solution. The Physics Department also provides homework help, and you are welcome to use this service.

Academic Advising Center

The University also has an Academic Advising Center on the 6th floor of the Rasmuson Library that is open from 8 am-5 pm, Monday-Friday, and is contactable via phone at 907-474-6396. After-hours virtual appointments offered most evenings during the week until 7:00 pm. The advising center can help with all student matters, from study tips to help with understanding the University's formal mechanisms for academic appeals. (See also http://www.uaf.edu/advising/) Nanook Navigator can be used to schedule an academic advising appointment with your current academic advisor.

Complaints and concerns

You are always welcome to discuss your concerns with me. However, if you have a concern that you feel cannot be resolved by discussion with me, you may wish to contact the Physics Department chair, Dr. Truffer, the CNSM Dean's office, or your academic advisor.

Student Health and Counseling Center

The University provides health and counseling services through its Student Health and Counseling Center, which is located at 612 N. Chandalar Drive, on the 2nd floor of the Whitaker Building (the same building as Fire and Police, across from the bus turn around.) Their web site is at http://www.uaf.edu/chc/. The center will see students on an appointment basis. The number to call for an appointment is 474-7043. It is best to do so at 8:00 AM in the morning, because they are scheduled daily on a first come first serve basis.

Disabilities and/or Special Needs

Every qualified student is welcome in my classroom. As needed, I am happy to work with you, disability services, veterans' services, rural student services, etc. to find reasonable accommodations. Disability services are provided free of charge, and are available to any student

who qualifies as a person with a disability. Student seeking special accommodations for a disability must first discuss their needs with Disability Services. Call 474-5655 to schedule an appointment.

UAF Disability Services is located in the Eielson Building, room 110. Extensive support is available, as described at http://www.uaf.edu/disability/

Effective communication: Students who have difficulties with oral presentations and/or writing are strongly encouraged to get help from the UAF Communication Center (uaf-commcenter@alaska.edu, https://www.uaf.edu/speak/) and the UAF Writing Center (907-474-5314, Rasmuson Library 6th floor, https://www.uaf.edu/writing-center/), and/or CTC's Learning Center (604 Barnette Street room 102, 907-455- 2903, https://www.ctc.uaf.edu/student-services/student-success-center/).

Emergency Notification Plan

Students will receive emergency notifications via phone or email. Please check your UAOnline account to confirm your emergency notification settings. For more information, please refer to the Student Handbook. In cases where you do not have access to your devices, as your instructor, I will take responsibility to relay any emergency notifications.

Syllabus Addendum

UAF requires all syllabi to include the following addendum. It specifies UAF's official position with regard to a number of important issues. Should there be any inconsistencies between this addendum and the course-specific syllabus presented above, the policies described in the addendum are the ones that will apply.

Syllabus Addendum (Revised 8/5/2025)

Student protections statement: The university respects and upholds the principles of due process and a fair and equitable process as specified in the Board of Regents' Policy 09.02 Student Rights and Responsibilities. For more information regarding the rights and responsibilities of students, refer to the Office of Rights, Compliance and Accountability website. You are encouraged to read the Board of Regents' policy carefully to fully understand your responsibilities to our community.

We strive to create a safe and respectful environment for all members of our community. If you have questions about expectations of you as a student or believe your rights are being violated, we encourage you to reach out to the Office of Rights, Compliance and Accountability for help. UAF reserves the right to suspend, expel or take other necessary and appropriate action in cases where a student is unable or unwilling to uphold community standards and campus safety.

For more information on your rights as a student and the resources available to you to resolve problems, please go to the following site: https://catalog.uaf.edu/academics-regulations/students-rights-responsibilities/.

Disability services statement: I will work with the Office of Disability Services to provide reasonable accommodation to students with disabilities.

ASUAF advocacy statement: The Associated Students of the University of Alaska Fairbanks, the student government of UAF, offers advocacy services to students who feel they are facing issues with staff, faculty, and/or other students specifically if these issues are hindering the ability of the student to succeed in their academics or go about their lives at the university. Students who wish to utilize these services can contact the Student Advocacy Director by visiting the ASUAF office or emailing asuaf.office@alaska.edu.

Student Academic Support:

- Communication Center (907-474-7007, uaf-commcenter@alaska.edu, Student Success Center, 6th Floor Room 677 Rasmuson Library)

- Writing Center (907-474-5314, uaf-writing-center@alaska.edu, Student Success Center, 6th Floor Room 677 Rasmuson Library)
- UAF Math Services (907-474-7332, uaf-traccloud@alaska.edu)

Drop-in tutoring, Student Success Center, 6th Floor Room 672 Rasmuson Library)

1:1 tutoring (by appointment only), 6th Floor Room 677 Rasmuson Library

Online tutoring (by appointment only) available

https://www.uaf.edu/dms/mathlab/, available at the Student Success Center

- Developmental Math Lab (Gruening 406, https://www.uaf.edu/deved/math/)
- The Debbie Moses Learning Center at CTC (907-455-2860, 604 Barnette St, Room 102, https://www.ctc.uaf.edu/student-services/student-success-center/)
- For more information and resources, please see the Academic Advising Resource List https://www.uaf.edu/advising/students/index.php

Student Resources:

- Disability Services (907-474-5655, uaf-disability-services@alaska.edu, 110 Eielson Building)
- Student Health & Counseling **[free counseling sessions available]** (907-474-7043, https://www.uaf.edu/chc/appointments.php, Whitaker Building, Room 206, Health, Safety & Security Bldg - same building as Fire and Police)
- Office of Rights, Compliance and Accountability (907-474-7300, uaf-orca@alaska.edu, 3rd Floor, Constitution Hall)
- Associated Students of the University of Alaska Fairbanks (ASUAF) or ASUAF Student Government (907-474-7355, asuaf.office@alaska.edu, Wood Center 119)

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and employment. Contact information, applicable laws, and complaint procedures are included on UA's statement of nondiscrimination available at www.alaska.edu/nondiscrimination.

For more information, contact:

UAF Office of Rights, Compliance and Accountability

1692 Tok Lane

3rd floor, Constitution Hall, Fairbanks, AK 99775
907-474-7300
uaf-orca@alaska.edu

Additional syllabus statement for courses that include off-campus programs and research activities:

University Sponsored Off-Campus Programs and Research Activities

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1. UA is an Equal Opportunity/Equal Access employer, educational institution and provider and prohibits illegal discrimination against any individual: http://www.alaska.edu/nondiscrimination.
2. Incidents can be reported to your university's Equity and Compliance office (listed below) or online reporting portal. University of Alaska takes immediate, effective, and appropriate action to respond to reported acts of discrimination and harassment.
3. There are supportive measures available to individuals that may have experienced discrimination.
4. University of Alaska's Board of Regents' Policy & University Regulations (UA BOR P&R) 01.02.020 Nondiscrimination and 01.04 Sex and Gender-Based Discrimination Under Title IX, go to: http://alaska.edu/bor/policy-regulations/.
5. UA BOR Policies & University Regulations apply at all university owned or operated sites, university sanctioned events, clinical sites and during all academic or research related travel that are university sponsored.

For further information on your rights and resources visit the student placement guidelines page of the equity and compliance site.