Computational Informatics I

CSCI-2300

Fall 2024   Section 01 (CRN 81787)   3 Credits   08/19/2024 to 12/12/2024   Modified 09/06/2024

👤 Instructor

Office: BCB 123

Tel: (229)500-2283 (leave message)

Email: whu@asurams.edu (please use email system here in GeorgiaView to communicate so that

we can keep a track of them)

Office hours: Monday, Wednesday, Friday from 11:00am-12:00pm, 1:00pm-2:00pm

Tuesday, Thursday: 12:00pm-2:00pm

BCB 123

Best way to contact: Please use GeorgiaView email system to contact me, since we can keep a

track of them. Please write down this course info "CSCI 1300.1"

on subject line.

🕐 Class Meeting Times, Class Meeting Location

Monday, Wednesday, Friday, 02:00PM - 02:50PM
Location: Billy C. Black Building, RM139

📘 Course Requirements

RECOMMENDED TEXT

Course materials are provided

You may also visit

1. [A Primer for Computational Biology – Open Textbook (oregonstate.education)](#)
2. [Introduction to Bioinformatics - Arthur M. Lesk.pdf - Google Drive,](#)
3. [SBB1609.pdf (sathyabama.ac.in),](#)
4. [Bookshelf_NBK569562.pdf (nih.gov).](#)

REMARK ABOUT COURSE DESCRIPTION (from ASU Catalog): The catalog description includes two much information, spreads over several subjects. We are not able to cover all of them within one semester.

🖥 Course Description

This course offers an introduction to computational informatics science of how information is represented and transmitted in biological systems. Students will learn Biological Technical Scenes, Patterns and Downloading Datasets (Protein Databanks, SWISS-PROT, EMBL and GenBank), Database Management (Pharmacogenomics and Aggression), Search Engines Algorithms (Intelligent Agents and User Interface Tools Programming with PERL Database), Data Mining (Statistics and Sampling), Web Technologies (Internet Sequence Retrieval System) and Data Visualization (Animation and Visualization Tools)

Requisites

Prerequisites:

None

Corequisites:

None

◎ Course Objectives

As a result of completing this course the student should be able to:

1. know how to use Python to do data visualization
2. understand the basics of DNA, RNA structures.
3. Get familiar some popular algorithms of sequence alignment and fragment assembly
4. Get familiar with the human genes
5. Get familiar with NCBI Blast.

☰ Course Activities

Homework assignments (quiz) (40%)

Homework1: a quiz for lecture notes chapter 1, (50 points), 5% into final grade

Homework 2: a quiz for lecture notes chapter 2, (50 points), 5% into final grade

Homework 3: a quiz for lecture notes chapter 3, (50 points), 5% into final grade

Homework 4: a quiz for lecture notes chapter 4 (50 points), 5% into final grade

Homework 6: a quiz for lecture notes chapter 6, (50 points), 5% into final grade

Homework 7: a quiz for lecture notes chapter 7, (50 points), 5% into final grade

Homework 8 a quiz for lecture notes chapter 8, (50 points), 5% into final grade

Practice using software (40%)

Practice 1: (50 points), 5% into final grade

Practice 2: (50 points), 5% into final grade

Practice 3: (50 points), 5% into final grade

Practice 4: (50 points), 5% into final grade

Practice 5: (50 points), 5% into final grade

Practice 6: (50 points), 5% into final grade

Practice 7: (50 points), 5% into final grade

Practice 8: (50 points), 5% into final grade

Participation (10%)

Syllabus quiz: (1.25 points, 1.25% into final grade)

Attendance: (8.75% total into final grade)

Final exam (10%)

100 points, 10% into final grade.

📅 Course Schedule

When	Topic	Notes

When	Topic	Notes
Lectures Week 1	Python programming language - 1: (1) Variables; (2) Data Structures; (3) Loops	**Module 1: Python programming language 1** Homework 1 is scheduled and due within one week. Practice 1 is scheduled and due within one week.
Lectures Week 2	Python programming language -2: (1) Module NumPy; (2) List, Tuple, Set and Dictionary	**Module 2: Python programming language** Homework 2 is scheduled and due within one week. Practice 2 is scheduled and due within one week.
Lectures Week 3 - Week 4	Python programming language 3 - Module for visulization	Module 3: Python modules for visualization Homework 3 is scheduled and due within one week. Practice 3 is scheduled and due within one week.
Lectures Week 5 - Week 6	Standard Genetic Code: (1) DNA Structure; (2) Nucleic Acid Code vs Amino Acid Code; (3) Translation	Module 4: Standard Genetic Code Homework 4 is scheduled and due within one week. Practice 4 is scheduled and due within one week.

When	Topic	Notes
Lectures Week 7- Week 8	Sequence Alignment: (1) Needleman-Wunsch Algorithm: (2) Smith-Waterman Algorithm; (3) Scoring matrix.	Module 5: Sequence Alignment Homework 5 is scheduled and due within one week. Practice 5 is scheduled and due within one week.
Project with lectures Week 9 - week 10	Fragment Assembling t: (1) Graph assembly; (2) Greedy Graph Assembly; (3) Sequence Assembly Tools	Module 6: Fragment Assembling Homework 6 is scheduled and due within one week. Practice 6 is scheduled and due within one week.
Project 2 with lectures Week 11 - Week 12	NCBI - BLAST: (1) Terminologies; (2) Using BLAST; (3) List of Human Genes;	Module 7: NCBI-BLAST Homework 7 is scheduled and due within one week. Practice 7 is scheduled and due within one week.
Lectures Week 13- Week 14	NCBI - BLAST Applications and Practices	Module 9: NCBI - BLAST Practices HW8 is scheduled Practice 8 is scheduled
Remark	Remark about catalog description: The catalog description includes two much information, spreads over several subjects. We are not able to cover all of them within one semester.	

✔ Method of Evaluation: Course Grading Policy, Assessment, Course Grades

Criteria

Item	Points	Weight to final grade
homework (quizzes)	400	40%
Practice	400	40%
Participation	100	10%
Final exam	100	10%
Total	1000	100%

Breakdown

University System of Georgia Grading Policy

The final grade in the course is defined as follows:

Grade	Range	Notes
A	90 to 100	To achieve this grade the student must display superior performance in his/her course work. This includes demonstrating the ability to process and comprehend complex ideas, and to be able to convey those ideas to others in a clear, intelligent manner. An "A" student will go beyond simple requirements and seek to excel in his/her preparation for and presentation of assigned work. He/she will demonstrate excellence in communication skills and the ability to contextualize material.
B	80 to 89	To achieve this grade the student needs to display above average performance in his/her course work, including demonstrating the ability to process and comprehend complex ideas, while being able to convey those ideas in a clear, intelligent manner. A "B" student will also go beyond minimum requirements in terms of preparation and presentation of assigned work. He/she will demonstrate above average communication skills and ability to contextualize material.
C	70 to 79	For this grade the student must meet the minimum requirements for the course, displaying adequate performance in his/her course work, and adequately demonstrate the ability to comprehend complex ideas, while also being able to convey those ideas in a like manner. A "C" student demonstrates competence in terms of preparation and presentation of assigned work. He/she will demonstrate adequate communication skills and ability to contextualize materials.

Grade	Range	Notes
D	60 to 69	A student receiving this grade is performing below the minimum requirements for the course. This could include failure to complete or turn in assignments on a timely basis, or failure to adequately demonstrate the ability to comprehend or convey complex ideas. A "D" student performs below the average in terms of preparation and presentation of assigned work. He/she may not be demonstrating adequate communication skills or ability to contextualize materials.
F	Below 60	A student receiving this grade has failed to meet the requirements of the course, including failure to complete or turn in assignments, or failure to demonstrate ability to comprehend or convey complex ideas. An "F" student has not performed in a manner satisfactory to the standards of the class.
I	Incomplete	**The Grade of "I" (Incomplete):** The grade of "I" is given only to students whose completed coursework has been qualitatively satisfactory but who have been unable to complete all course requirements because of illness or other extenuating circumstances beyond their control. The instructor retains the right to make the final decision on granting a student's request for an "I".

✳ Course Policies

General Statement

This syllabus contains the policies and expectations that have been established for this course. These policies and expectations are intended to create a productive learning atmosphere for _all students_. Please bring any concerns you may have to my attention.

To create and preserve a course atmosphere that optimizes teaching and learning, all students share the responsibility of creating a positive learning environment. Students are expected to conduct themselves in a manner that does not disrupt teaching or learning, and they are expected to follow these standards:

Course discussions should be civilized and respectful to everyone and relevant to the topic we are discussing. Discussion forums (online or face-to-face) are meant to allow for a variety of viewpoints. This can only happen if we respect one another and our differences.

I will begin in-class and/or online live sessions promptly at the designated time and students are expected to be on time to these sessions. In addition, class will end at the designated time. Please refrain from engaging in other tasks during the online session as it is disruptive to me and to others around you.

Course Attendance Policy

Please refer to the current Academic Catalog (https://www.asurams.edu/academic-affairs/academic-catalogs/) for the attendance policy.

"Attendance" and participation are required. You will be expected to participate in ongoing discussions of the lesson topics and to interact with other students and your instructor regularly. If for any reason you are unable to participate by the due dates listed in the course Calendar it is your responsibility to inform your instructor. Be sure to read and observe the procedures below.

In the online environment, problems associated with power outages, networks being down, and ISP troubles inevitably result in legitimate reasons for delays; however, you should still be prepared to deliver your work by the stated deadlines. If you have a problem, let your instructor know as soon as possible. Your instructor will determine if the seriousness of your problem warrants turning in an assignment late without penalty.

Time Commitment

Taking an online course is not easier or faster. On the contrary, it will take as much time as taking a face-to-face class or more. If you normally go to class 3 hours per week per course, you will need to devote that same amount of time to your online course. In addition to online time, you should spend time studying and working with course materials several hours per week offline. It will be helpful to set aside regular study time when you can work uninterrupted. Offline time could be spent in composing messages to post online, reading, studying, and working on projects.

The amount of time it will take you to complete the work for this course will depend on many factors, which will vary with each individual. As a general rule, in this course you will be expected to

- Log in regularly to check messages from your instructor and other students.
- Check the Calendar for announcements from your instructor.
- Study, read online materials, and work all assigned problems for each lesson.
- Contribute to discussions and group projects in thoughtful and substantive ways.
- Complete all course work and assignments in the time allowed.

Attendance Verification & Semester Dates (For Online Courses)

IMPORTANT - In order to confirm your attendance and participation in this course, you must complete the Mandatory Syllabus Quiz AND the Introductions discussion activity by the first Friday of the semester at noon. BOTH of these activities are required and can be found within the START HERE module.

Please note: failure to complete these activities may result in you being removed from the course.

Participation dates for the term can be found in the News widget on your course homepage. The participation activity is required and can be found within the Course Content's Syllabus and Start Items folder.

🏛 University Policies

Academic Integrity

Please see the ASU [Student Code of Conduct (https://www.asurams.edu/docs/legal-affairs/policies/AY%202021%202022%20Student%20Code%20of%20Conduct.pdf)](https://www.asurams.edu/docs/legal-affairs/policies/AY%202021%202022%20Student%20Code%20of%20Conduct.pdf) for rules on academic honesty/integrity.

The consequence for a violation of the Academic Honesty Code is "zero points" for the assignment.

Definitions and Examples

The examples and definitions given below are intended to clarify the standards by which academic honesty and academically honorable conduct are to be judged.

- Plagiarism
- Cheating on examinations
- Unauthorized Collaboration
- Falsification
- Multiple Submissions
- Evidence and Burden of Proof

The list is merely illustrative of the kinds of infractions that may occur, and it is not intended to be exhaustive. Moreover, the definitions and examples suggest conditions under which unacceptable behavior of the indicated types normally occurs. However, there may be unusual cases that fall outside these conditions that also will be judged unacceptable by the academic community.

Plagiarism

NOTE: TurnItIn, a plagiarism detection system, is often used by ASU faculty members.

Plagiarism is presenting another person's work as one's own. Plagiarism includes any paraphrasing or summarizing of the works of another person without acknowledgment, including the submitting of another student's work as one's own. Plagiarism frequently involves a failure to acknowledge in the text, notes, or footnotes the quotation of the paragraphs, sentences, or even a few phrases written or spoken by someone else.

The submission of research or completed papers or projects by someone else is plagiarism, as is the unacknowledged use of research sources gathered by someone else when that use is specifically forbidden by the instructor. Failure to indicate the extent and nature of one's reliance on other sources is also a form of plagiarism.

Self-plagiarism is submitting your own work for multiple assignments or across multiple courses.

The student is responsible for understanding the legitimate use of sources, the appropriate ways of acknowledging academic, scholarly, or creative indebtedness, and the consequences of violating this responsibility.

Cheating on Examinations

Cheating on examinations involves giving or receiving unauthorized help before, during, or after an examination. Examples of unauthorized help include the use of notes, texts, "crib sheets," websites, electronic documents or notes, and computer programs during an examination (unless specifically approved by the instructor), or sharing information with another student during an examination (unless specifically approved by the instructor). Other examples include intentionally allowing another student to view one's own examination and forbidden collaboration before or after an examination.

Unauthorized Collaboration

Submission for academic credit of a work product, developed in substantial collaboration with other person or source but represented as one's own effort, is unauthorized. Seeking and providing such assistance is a violation of academic honesty. However collaborative work specifically authorized by an instructor is allowed.

Falsification

It is a violation of academic honesty to misrepresent material or fabricate information in an academic exercise, assignment or proceeding. Some examples of falsification are:

- false or misleading citation of sources
- the falsification of the results of experiments or of computer data
- false or misleading information in an academic context in order to gain an unfair advantage.

Multiple Submissions

It is a violation of academic honesty to submit substantial portions of the same work for credit more than once without the explicit consent of the instructor(s) to whom the material is submitted for additional credit. In cases in which there is a natural development of research or knowledge in a sequence of courses, use of prior work may be desirable, or required. However, the student is responsible for indicating in writing, that the current work submitted for credit is cumulative in nature.

Evidence and Burden of Proof

In determining whether or not academic dishonesty has occurred, guilt must be proven by a preponderance of the evidence. This means that if the evidence that academic dishonesty occurred produces a stronger impression and is more convincing compared to opposing evidence, then academic dishonesty has been proven. In other words, the evidence does not have to be enough to free the mind from a reasonable doubt but must be sufficient to incline a reasonable and impartial mind to one side of the issue rather than to the other. Evidence as used in this statement can be any observation, admission, statement, or document that would either directly or circumstantially indicate that academic dishonesty has occurred. Electronic means may be used to monitor student work for the inappropriate use of the work of others.

Integration of Technology

The use of technology is integral to the course design. You should have access to a computer (e.g., computer lab, library, home, or work), general knowledge of the operation and care of a computer, and know some basic troubleshooting techniques. You should also have some basic understanding of how to use the Internet to seek, find, and retrieve information. Should you experience technical difficulties, please consult Information Technology Services, https://www.asurams.edu/technology/, for assistance with common issues.

All candidates should have a workable (functioning) ASU e-mail account, know how to send and retrieve e-mail messages with and without an attached file, know how to attach a file to an e-mail message, and how to download and open attached files. To ensure that you receive timely communications, it is your responsibility to notify the professor immediately of any changes to your e-mail address. All candidates should also know how to access the course in GAVIEW and be able to complete and submit assignments.

*NOTE: "ASU RAMmail account is the university's official means of electronic communication with students. Students are required to use the ASU website (www.asurams.edu (https://www.asurams.edu)) and RAMmail for important university's official information on financial aid, current class schedule, registration holds, account balances, etc. In order to communicate with students by other means as needed, each student is required to provide the university with his/her current telephone number(s) and mailing address via BannerWeb."

Student Services

Technical Assistance:

Having a correctly configured computer will help ensure your success in your courses. Check the information at http://www.usg.edu/usgweb/d2lchecker/ (http://www.usg.edu/usgweb/d2lchecker/) to be sure that your computer meets all the necessary technical requirements for hardware and software. Links to the plug-ins (special free software) that you will need are provided.

For technical assistance, contact Albany State's Help Desk at 229-500-HELP (4357) Monday - Friday, between 8:00 a.m. and 8:00 p.m. or check out the frequently asked question knowledge base, available 24/7 at https://d2lhelp.view.usg.edu/ (https://d2lhelp.view.usg.edu/). For live support after 8:00 p.m. EST Monday through Friday or during weekends and holidays, call 855-772-0423.

ePortfolio Assistance:

As of July 2022, ASU has implemented a new ePortfolio system with our platform provider, **Digication**. An ePortfolio is a collection of work (evidence) in an electronic format that showcases learning over time. Refer to Ram Potential (https://asurams.digication.com/rampotential/home), ASU's metafolio, for basic "getting started" information. Additional tutorials and videos are available on Digication's Support site (https://support.digication.com/).

For technical assistance, contact Albany State's Distance Learning Department at 229.500.2907 Monday - Friday, between 8:00 a.m. and 5:00 p.m., or email asuonline@asurams.edu (mailto:asuonline@asurams.edu?Subject=ePortfolio%20Assistance). For support after 5:00 p.m. EST Monday through Friday or during weekends and holidays, email support@digication.com (mailto:support@digication.com?Subject=ASU%20ePortfolio%20Assistance%20Request).

Early Alert at ASU:

The purpose of this program is to give undergraduate students early academic assistance and advice so that they succeed in this class. Your instructors will submit the names of students who are absent from class, have late/missing assignments, or who fail quizzes/exams to Student Success for outreach and follow-up via phone, email, text, and class/residence hall visits. Resources may include one-on-one assistance with time management, developing a study plan, finding tutoring opportunities, and/or connecting with appropriate offices to address common barriers to success. You are encouraged to respond promptly and positively to these communication efforts.

Tutoring:

Online tutoring resources for ASU students are available 24/7. These resources provide tutoring in a variety of subjects including writing assistance, essay review, mathematics, nursing, and IT support for Microsoft Office. To access these resources, simply click the icon on the toolbar from within your online course and follow the prompts.

Additionally, Albany State offers on-campus tutoring in the [Centers for Academic Excellence (https://www.asurams.edu/academic-affairs/Inactive/learning-centers/index.php)](https://www.asurams.edu/academic-affairs/Inactive/learning-centers/index.php), as well as Tutoring on Demand (TOD) during hours of operation. You can also access TOD from the Study Aids tab to join online tutoring via WebEx.

To connect with additional resources in classroom skills, major exploration, and degree planning, please schedule an appointment with your academic advisor by going to [EAB (https://asurams.campus.eab.com/)](https://asurams.campus.eab.com/) or contact ASU Student Success at [studentsuccess@asaurams.edu (mailto:studentsuccess@asaurams.edu)](mailto:studentsuccess@asaurams.edu) or 229.500.2927.

Accessibility Services:

If you are a student who is disabled as defined under the Americans with Disabilities Act and require assistance or support services, you must notify your instructor prior to attempting any activities or assessments in this course. In order to receive special accommodations, students must provide documentation from the accessibility services office.

Please contact the Office of Accessibility Services ([https://www.asurams.edu/student-affairs/counseling-disability-services/index.php (https://www.asurams.edu/student-affairs/counseling-disability-services/index.php)](https://www.asurams.edu/student-affairs/counseling-disability-services/index.php) or 229-500-2013) for additional information regarding accessibility services.

Class Excuse Request

Currently, a student may request a class excuse from the Office of Student Support under qualifying circumstances that present an immediate crisis impeding a student's ability to attend classes. Upon a student's return to campus, he or she must provide the Office of Student Support supporting documentation that verifies his or her reason for being absent from classes. Once supporting documentation has been verified by the Office of Student Support, a class excuse will be sent to each professor of the requesting student via university email. Ultimately, class excuses issued by the Office of Student Support only serve as **requests** for professors to allow students to make up missed assignments and quizzes.

- [Class Excuse Form (https://cm.maxient.com/reportingform.php?AlbanyStateUniv&layout_id=19)](https://cm.maxient.com/reportingform.php?AlbanyStateUniv&layout_id=19)

Class Cancellation Policy

Please refer to the current [Academic Catalog (https://www.asurams.edu/academic-affairs/academic-catalogs/)](https://www.asurams.edu/academic-affairs/academic-catalogs/) for the class cancellation policy.

Inclement Weather and Catastrophic/Pandemic Readiness Statement

In the event of a campus emergency due to unintended disturbances, the syllabi and course delivery are subject to change. This includes course requirements, deadlines and grading percentages. First, review all information on the ASU homepage for information and important announcements. Second, if

the course is not able to meet face-to-face, students should immediately log onto GaVIEW and read any announcements and/or alternative assignments or by contacting your instructor (see contact information above).

Important University Dates

Please refer to the [ASU Online Calendar (https://ousearch.omniupdate.com/texis/search/redir.html?query=calendar&pr=albany&prox=page&rorder=500&rprox=750&rdfreq=500&rwfreq=750&rlead=750&rdepth=31&sufs=1&order=r&uq=&bestbet=calendar%2C+academic+calendar%2C+student+calendar&groups=default&u=https%3A//www.asurams.edu/enrollment-management/office_of_the_registrar/academic-calendar/index.php&link)](https://ousearch.omniupdate.com/texis/search/redir.html?query=calendar&pr=albany&prox=page&rorder=500&rprox=750&rdfreq=500&rwfreq=750&rlead=750&rdepth=31&sufs=1&order=r&uq=&bestbet=calendar%2C+academic+calendar%2C+student+calendar&groups=default&u=https%3A//www.asurams.edu/enrollment-management/office_of_the_registrar/academic-calendar/index.php&link) for additional information.

Additional Campus Policies

Policies regarding the following areas can be located at: [http://www.asurams.edu/syllabi-links (http://www.asurams.edu/syllabi-links)](http://www.asurams.edu/syllabi-links)

- Counseling and Accessibility Services
- Sexual Misconduct Information
- Student Code of Conduct
- Campus Carry Policy
- University Learning Centers

Student Well-Being

I want you to succeed and your academic success depends heavily on your personal health and well-being. Stress is a normal part of the college experience, but it can sometimes be compounded by unexpected setbacks, events, or life changes. ASU offers counseling services on-campus at 229.500.2013 as well as through a 24/7 Support Line at 833.855.0083. ASU counseling services cost students nothing, are completely confidential, and in no way are connected to your academic record.

Counseling and Student Accessibility Services (CSAS) offers students of all backgrounds, races, religious beliefs, sexual orientations, gender identifies, abilities, ethnicities, and cultures a safe place to discuss and resolve issues that interfere with personal and academic goals. CSAS recognizes and honors the complex intersectionality of all aspects of a person's identity and presenting concerns. All enrolled ASU students are eligible for free counseling services. You may call the 24/7 Support Line at 833.855.0083 to speak with or schedule in-person and virtual appointments with licensed mental health professionals. You may also schedule an appointment by calling 229.500.2013 or in person at their office: Suite 170, Billy C. Black Building. Office hours are Monday-Friday, 8:00 a.m. - 5:00 p.m. I strongly encourage you to take advantage of this valuable resource if you are interested or find yourself struggling and in need of additional support. You can also use the QR codes to contact CSAS as well as to access the ASU Wellness Hub.
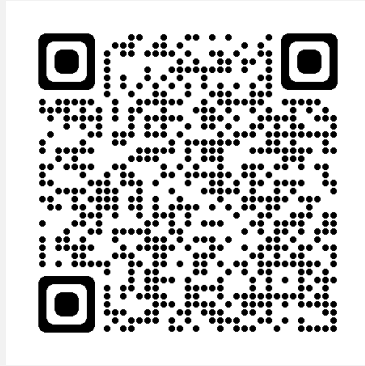
Counseling and Student Accessibility Services	ASU Wellness Hub

Student Health Services

The Mission of Albany State University Student Health Services (ASU-SHS) is to provide a quality, cost-effective episodic health care delivery system to meet basic holistic health care needs to presently enrolled students. Further, the ASU-SHS provides current health promotional programs and medical counseling referrals for students as appropriate or when urgent situations occur. ASU-SHS is available on east and west campuses and you can access ASU-SHS at the following link and QR code.

https://www.asurams.edu/student-affairs/health-services/index.php (https://www.asurams.edu/student-affairs/health-services/index.php)

ASU Student Health Services

Sexual Assault

If you experience rape/sexual assault and think you might still be in danger, if you are on campus call 229.430.4711, if you are off campus call 911 and stay on the phone with them. For emotional support, advocacy, or information following a sexual assault, you can contact CSAS, contact the ASU Wellness Hub, or call the ASU Police Department at 229.430.4711. ASU PD has advocates with whom you can talk. If you are not comfortable calling ASU PD, you can call the RAINN National Sexual Assault Hotline 24/7 at 1.800.656.HOPE (1.800.656.4673).

Suicidal thoughts

If you are having suicidal thoughts, you can contact CSAS or the ASU Wellness Hub, but if you are not comfortable contacting CSAS, you can call, text, or chat the 988 Suicide and Crisis Lifeline at 988. You can also web chat with someone through Lifeline Chat at the following link or QR code
https://988lifeline.org (https://988lifeline.org)

Lifeline Chat

LGBTQ Safe Zones

Over the next few months, the university will be partnering with faculty and staff to house Safe Zone Spaces across the ASU campuses. The Safe Zone Project is to help educate people about sexual orientation and gender identity/expression issues and to create a visible network of allies to provide support to the ASU lesbian, gay, bisexual, transgender, queer, and questioning (LGBTQ) community. However, until the training has been completed, we look for a heart shaped LGBTQ Progress Pride sticker to find those who are willing to help and support you as you navigate your life. If you see this sticker on an office door, you know you can feel safe with your questions.

LQBTQ Safe

Student Food and Personal Items Pantry

The mission of the Student Food and Personal Items Pantry (hereinafter the Buck Bank) is to alleviate food insecurity among ASU students by providing emergency food to ASU students in need. They aim to alleviate the barriers associated with food insecurity to support student success at ASU and to ensure that no student goes hungry because of a lack of income or access to food.

All currently enrolled ASU students are eligible to use the Student Food and Personal Items Pantry. Students confidentially can [“Make a Request for Goods” (https://app.pantrysoft.com/login/asubuckbank)](https://app.pantrysoft.com/login/asubuckbank) online. In addition, students can schedule a date and time for pick-up that best meets their schedule using this online portal. The office is in the East Campus Student Center (Green Zone) on the 1st and 3rd Wednesdays and Fridays of each month between the hours of 8:30 a.m. – 12:00 p.m. and 1:30 p.m. 4:30 p.m. To access more information and request assistance visit the following link or QR code ([www.asurams.edu/pantry (http://www.asurams.edu/pantry)](http://www.asurams.edu/pantry))

ASU Student Food and Personal Items Pantry