

CS61A - AMAN

WELCOME!



WHO AM I?

AMAN SHAH

- ▶ From Edison, NJ
- ▶ Pronouns are he/him/his
- ▶ 8th semester Applied Math and CS Student
- ▶ Took 61A Spring '18, AI for 2 semesters, CSM Mentor for 4, TA 4 times previously
- ▶ Netflix Addict, former game addict, somehow always manages to do stupid things



AGENDA

- ▶ Section Logistics
- ▶ Ice Breaker (sorry...)
- ▶ Activity: Lost on the Moon
- ▶ About CS61A (My Perspective)

SECTION LOGISTICS

HOW DISCUSSIONS WORK PT.1

▶ Goals:

- ▶ Review recent material
- ▶ Work on problems(individually and in groups)
- ▶ Make everyone comfortable / willing to ask questions
- ▶ Have you guys get to know each other

Discussion:

W 6:30PM - 8:00PM PDT

Lab:

W 9:30AM - 11:00AM PDT

Email:

amanshah2711@berkeley.edu

Office Hours:

consult oh.cs61a.org

HOW DISCUSSIONS WORK PT.2

- ▶ Structure
 - ▶ Mini-lecture
 - ▶ Selected Problems from Worksheet
- ▶ Comments
 - ▶ Ask questions, whenever!!!
 - ▶ I very much value all feedback!!!
 - ▶ Access slides from go.cs61a.org/aman

Discussion:

W 6:30PM - 8:00PM PDT

Lab:

W 9:30AM - 11:00AM PDT

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HOW DISCUSSIONS WORK PT.3

- ▶ Participation (~around 12 points total)
 - ▶ Need to get 5 points / go to 5 disc. for full credit
 - ▶ Today does not count
 - ▶ go.cs61a.org/aman-survey
 - ▶ Covid Stuff
- ▶ Contact
 - ▶ Always free to email
 - ▶ If you ever want to talk over zoom, or meet in person just email me

Discussion:

W 6:30PM - 8:00PM PDT

Lab:

W 9:30AM - 11:00AM PDT

Email:

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ICE BREAKER

1. We will break into groups of 4
2. Come up with something you all have in common
3. Being incoming students, wearing glasses, or super easy things won't count

* Highly encourage, especially for new students, share some contact info like email or fb so you have people to talk to about 61a

ACTIVITY: LOST ON THE MOON

WHAT NASA THINKS

Item	NASA's Reasoning	NASA's Rank
Box of matches	No oxygen to sustain flame, virtually worthless	15
Food concentrate	Efficient means of supplying energy requirements	4
50 feet of nylon rope	Useful in scaling cliffs, tying injured together	6
Parachute silk	Protection from sun's rays	8
Solar-powered portable heating unit	Not needed unless on dark side	13
Two .45 caliber pistols	Possible means of self-propulsion	11
One case of dehydrated milk	Bulkier duplication of food concentrate	12
Two 100-pound tanks of oxygen	Most pressing survival need	1
Stellar map (of the moon's constellations)	Primary means of navigation	3
Self-inflating life raft	CO ₂ bottle in military raft may be used for propulsion	9
Magnetic compass	Magnetic field on moon is not polarized; worthless for navigation	14
5 gallons of water	Replacement for tremendous liquid loss on lighted side	2
Signal flares	Distress signal when mother ship is sighted	10
First-aid kit containing injection needles	Needles for vitamins, medicines, etc., will fit special aperture in NASA space suits	7
Solar-powered FM receiver-transmitter	For communication with mother ship; but FM requires line-of-sight transmission and short ranges	5

HOW'D YOU DO

- ▶ 0-25, excellent
- ▶ 26-32, good
- ▶ 33-55, fair
- ▶ 56-70, oops
- ▶ 71-112, oh well

ABOUT CS61A

MY THOUGHTS ON THE COURSE

- ▶ More of a course in problem solving than in programming
- ▶ Simultaneously a lot and not a lot of content
- ▶ ALL OF YOU CAN SUCCEED!

MY RECOMMENDATIONS

- ▶ Start assignments early!
- ▶ There is no substitute for practice! Do practice exams and challenging problems
- ▶ Avoid cramming at all costs
- ▶ Get help whenever you need it

Practice >>>>> discussion / hw / lab / projects >>>>> lecture

RESOURCES

Academic Resources:

- ▶ Me (Anytime you see me, via email, or appt.)
- ▶ Any course staff member
- ▶ Office hours
- ▶ Tutoring Sections

Mental Health Resources

Campus Resources

Counseling and Psychological Services* **(510)642-9494**

CAPS supports the emotional, psychological, educational, social, and cultural development of all UC Berkeley students through a wide range of multiculturally based counseling, psychiatric, career, consultation, training, and educational services.

After-Hours Assistance Line* **(855)817-5667**

Call for consultation with a counselor and provide as a crisis resource to students outside of CAPS business hours.

Center for Support and Intervention **(510)664-4218**

Consult regarding concerns about students experiencing and/or causing distress and for cross-departmental information sharing.

PATH to Care Center* **(510)642-1988; 24/7 Care Line: (510)643-2005**

Call for affirming, empowering, and confidential support for those that have experienced gendered violence, including sexual harassment, dating and intimate partner violence, sexual assault, stalking, and sexual exploitation.

Office for the Prevention of Harassment and Discrimination **(510)643-7985**

OPHD takes reports alleging discrimination and harassment on the basis of categories including race, color, national origin, gender, age, and sexual orientation/identity, which includes allegations of sexual harassment and sexual violence.

<https://uhs.berkeley.edu/news/current-services>

**THANKS FOR COMING! FEEL
FREE TO STAY AND ASK
QUESTIONS**