

# SER 321 A Session

**SI Session**

**Thursday, January 16th 2025**

*7:00 pm - 8:00 pm MST*

# Agenda



What is SI?

About Me

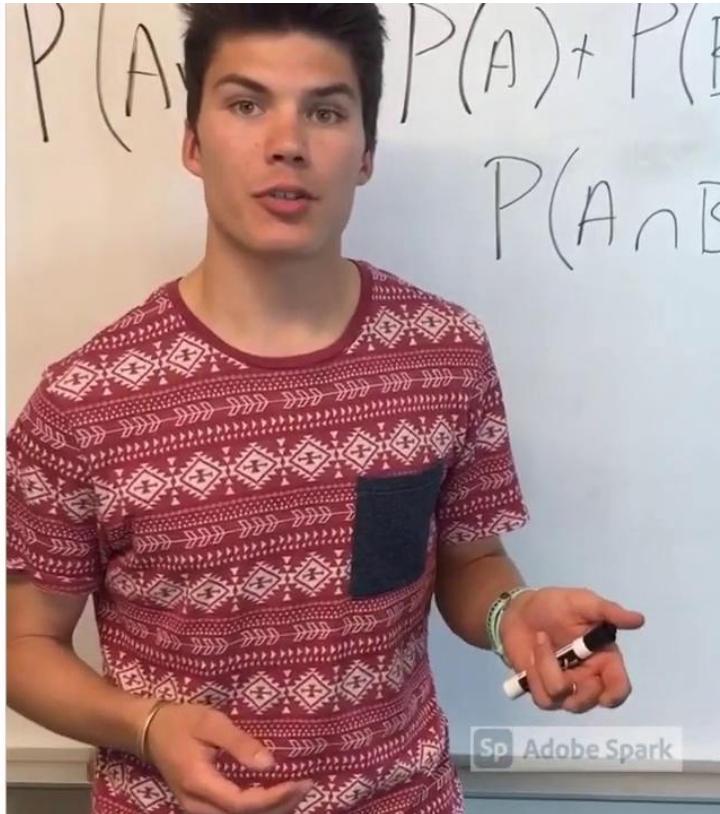
Session Times & Expectations

Course Tips!

# What is SI?

## Informational Video

# What is SI?



# About Me

Katie

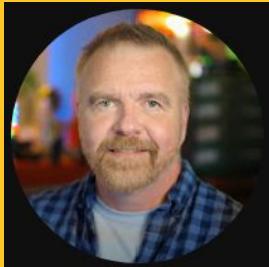
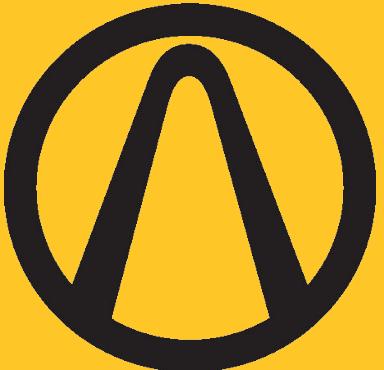
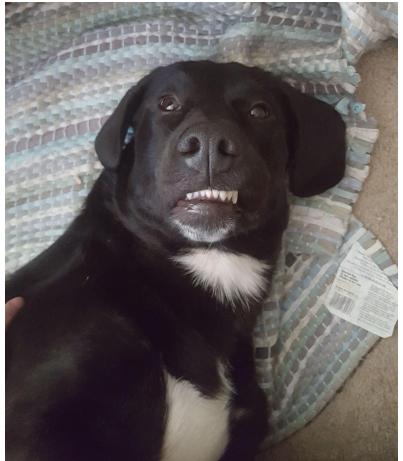
- Born and raised near Chicago, Illinois
  - Moved around within the Northern Suburbs
  - Currently in Grayslake
- Work at a local Italian restaurant
- Received AS from my local Community College
- Transferred to ASU for Software Engineering
- Runs in the family
  - Father is a Software Architect
  - Mother is a Quality Assurance Analyst
- Graduating this semester! 🎉



# About Me

Katie

- Hobbies
  - Gaming
  - Football (Go Bears!)
  - Reading
  - Learning
  - Doggos! 😊



# SI Session Expectations

Thanks for coming to the **SER 321** SI session. We have a packed agenda and we are going to try to get through as many of our planned example problems as possible. This session will be recorded and shared with others.

- If after this you want to see additional examples, please visit the drop-in tutoring center.
- We will post the link in the chat now and at the end of the session.
- Please keep in mind we are recording this session and it will be made available for you to review 24-48 hours after this session concludes.
- Finally, please be respectful to each other during the session.

# Interact with us:

## Zoom Features



### **Zoom Chat**

- Use the chat feature to interact with the presenter and respond to presenter's questions.
- Annotations are encouraged.

# SER 321

## Session Schedule

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Sunday

11:00 - 12:00 AM MST

7:00 - 8:00 PM MST

7:00 - 8:00 PM MST

# SER 321

## Slack Overview

The screenshot shows a Slack interface with the following details:

- Header:** Search bar with "Search Arizona State University".
- Left Sidebar:** A sidebar with various icons and a list of channels and direct messages. The channel **# si\_channel** is highlighted with a yellow box.
- Channel Header:** "# si\_channel" with tabs for **Messages**, **Resources**, **Bookmarks** (which is also highlighted with a yellow box), and a plus sign.
- Message Timeline:**
  - A message from **Canvas updated** at 12:42 PM: "Katie Grinnell made updates to Resources."
  - A message from **Katie Grinnell** at 9:00 AM: "Hi Everyone! 🍀"
- Text Content:** Katie's message continues:

My name is Katie and I am excited to announce that I will be your SI Leader for this semester for SER 321!

SI stands for Supplemental Instruction and I will be holding three, one-hour SI sessions weekly. During these sessions we will review content, do practice problems, learn study skills, and so much more! I will be here to help you all along your studying journey for SER 321. I can't wait to get to know you and study together!

  - Our sessions will be held starting **Thursday, January 16th** (unless otherwise told):
    - Tuesdays, 11:00-12:00 am MST, ONLINE
    - Thursdays, 7:00-8:00 pm MST, ONLINE
    - Sundays, 7:00-8:00 pm MST, ONLINE
  - Zoom Link for all sessions (unless otherwise told):
    - <https://asu.zoom.us/j/87455733697>
  - Google Sheet for all Session Recordings:
    - [Spreadsheet](#)
      - To access this link, you will need to be signed into your [ASU Gmail Account](#).
- Bottom Bar:** Includes icons for bold, italic, underline, etc., and a message input field.

# SER 321

## Slack Overview

Arizona St...

Search Arizona State University

2025SpringA-X-SER321-35

Home

DMs

Activity

Later

Unreads

Threads

Huddles

Drafts & sent

External Connections

bree Nkimpact

+ Add external people

Starred

# si\_channel

# si\_channel

Messages  Resources  Bookmarks +

Add Bookmark

Session Slides  
asu.instructure.com

Recordings Spreadsheet  
docs.google.com

Course Repo  
github.com

Join Session

amehlhase316 / ser321examples

Code Issues 1 Pull requests 2 Actions Projects

ser321examples Public

master 1 Branch 0 Tags

# SER 321

## Slack Overview

The screenshot shows the Slack desktop application interface. At the top, there's a search bar with the placeholder "Search Arizona State University". Below the search bar, the channel "# si\_channel" is selected, indicated by a dark grey background. The channel header includes tabs for "Messages", "Resources" (which is underlined, indicating it's active), "Bookmarks", and a "+" sign. On the far right of the header, there are icons for notifications, messages, and other settings.

The left side of the screen features a sidebar with various sections:

- Home**: Shows a small thumbnail of a person and the text "2025SpringA-X-SER321-35".
- DMs**: Shows a small thumbnail of a person and the text "Unreads".
- Threads**: Shows a small thumbnail of a person and the text "Threads".
- Huddles**: Shows a small thumbnail of a person and the text "Huddles".
- Drafts & sent**: Shows a small thumbnail of a person and the text "Drafts & sent".
- Activity**: Shows a small thumbnail of a person and the text "External Connections". Below it, a list item "bree Nkimpact" has a plus sign next to it, followed by "Add external people".
- Later**: Shows a small thumbnail of a person and the text "Starred". Below it, a list item "# si\_channel" is highlighted with a dark grey background.
- Templates**: Shows a small thumbnail of a person and the text "Channels". Below it, a list of channels starts with "# finalexam".
- Automation**: Shows a small thumbnail of a person and the text "assignment6". Below it, a list of channels continues with "# assignment5", "# assignment4", "# assignment3", "# assignment2", "# assignment1", "# example\_repo", "# servers", "# random", "# general", "# studentemployment\_w...", and "+ Add channels".
- More**: Shows a small thumbnail of a person and the text "Direct messages".

**Resources**

- [Course Repo](#)
- [Gradle Documentation](#)
- [GitHub SSH Docs](#)
- [Linux Man Pages](#)
- ...

# SER 321

## Making a Request

☰ DEV-2025Spring-SER321-02-SI > Discussions

1. Post in the Canvas Discussion Board
2. Post in the #si\_channel
3. Send me a DM on Slack

2025 DEV

Home

Announcements

Syllabus

Modules

Discussions

Files

All

Search by title or author...

+ Add Discussion

Settings

▼ Pinned Discussions

Make a Request!



▼ Discussions

Ordered by Recent Activity

B I S | ⌂ | ⌂ ⌂ | ⌂ | ⌂ | ⌂/ ⌂

Message #si\_channel

I cannot cover assignments directly,  
but I **can** cover related concepts.

Katie Grinnell

● Active

🕒 1:10 PM local time

Message

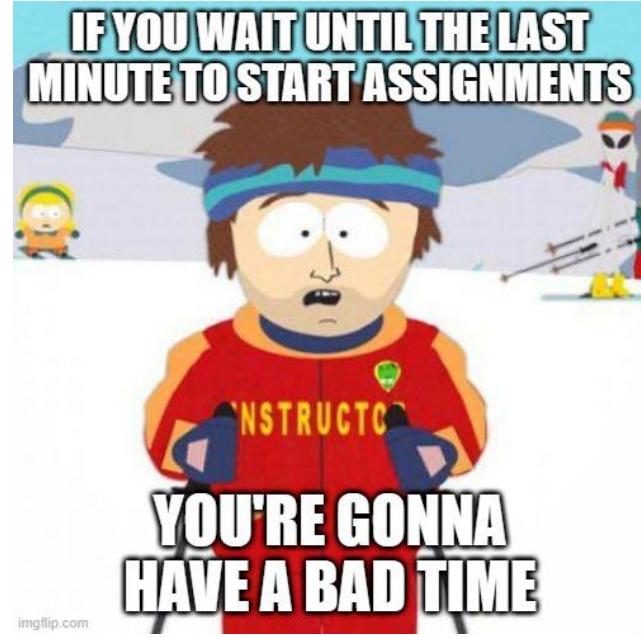
Huddle

⋮

**SER 321**

**Tips for Success!**

**START  
ASSIGNMENTS  
ASAP**

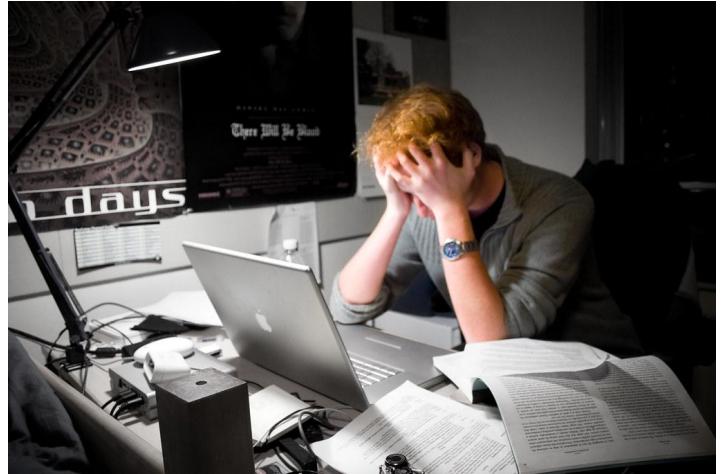


# SER 321

## Tips for Success!

Troubleshooting Skills are **HUGE**

Looking to find the *balance*

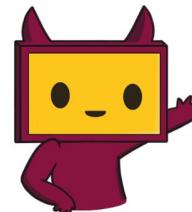


# SER 321

## Tips for Success!

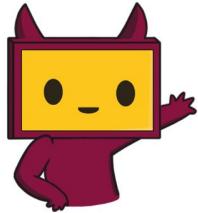
- Start assignments ASAP
  - Read the entire document first!
  - Be sure to checkout the Assignment Helper Docs!
  - Try to group related requirements into sections
- Commit **a lot**
- Use the [Course Repo](#) - it's there for a reason!
- Monitor the slack channels!
- Ask questions right away - Sparky!

If a PDF is required,  
COMPLETE IT AS YOU MAKE PROGRESS!



# SER 321

## Sparky Demo



Search Arizona State University

# si\_channel

Messages Resources Bookmarks +

2X 2024FallB-X-SER321-65255

Unreads Threads Drafts & sent

External Connections Starred # si\_channel

Channels # assignment6 # finalexam # example\_repo # servers # assignment3 # assignment5 # tech # announcements # assignment2 # feedback # assignment4 # assignment1 # general # random # studentemployment\_w... Add channels Direct messages

Katie Gr @channel

Ask a Question

Workspace: 2024FallB-X-SER321-65255

Select to privately ask the teaching team, we will contact you 🚀

Send privately

Unfortunately, it is not possible to attach images yet. If you need to attach an image you would need to share it through a link, e.g. <http://placekitten.com/500/500> or for public questions in a thread.

Hints for formatting your message see this [page](#)

Select the relevant channel to ask your question!

Channel

si\_channel

Question

Write something

Cancel Submit

Message #si\_channel

Aa 😊 @

# SER 321

## Tips for Success!

Be sure to watch the [Distributed Systems Intro Videos](#)

2025 Spring A

Home

Announcements

Syllabus

Modules

Accessibility

ASU Course Policies

Time in AZ

Slack

Honorlock ASUO

After Hours Tutoring

ASU Tutoring

Assignments

Collapse All

▶ Welcome

Complete All Items

▼ Intro and Review

📄 Distributed Systems Intro and expectations

📄 Review: Gradle, Command line

📄 Review: Git/GitHub

# SER 321

## Tips for Success!

Watch the [Gradle Canvas Videos](#)!

Videos cover:

- Build Structure
- Plugins
- Tasks
- Commands (build, clean, run, and test)
- Arguments

# SER 321

## Setup

You will need **two** systems

Your MAIN device

Secondary Device

AWS EC2 Instance

Linux VM



# SER 321

## Setup

Both systems ***need...***

Java 17 or **18**

Gradle 7.4.2

User Guide

GIT

SSH Guide

**SER 321****Gradle**

Which if statement will execute with

`gradle SocketClient -Phost=localhost -Pnumber=5 ?`

```
if (project.hasProperty("host") && project.hasProperty("message") && project.hasProperty("number")) {  
    args(project.getProperty('host'),  
          project.getProperty('message'),  
          project.getProperty('number'));  
}  
else if (project.hasProperty("host") && project.hasProperty("message")) {  
    args(project.getProperty('host'),  
          project.getProperty('message'));  
}  
else if (project.hasProperty("host") && project.hasProperty("number")) {  
    args(project.getProperty('host'),  
          "Set by Gradle, since nothing provided: https://gph.is/2y76sj4",  
          project.getProperty('number'));  
}  
else if (project.hasProperty("host")) {  
    args(project.getProperty('host'));  
}
```

**SER 321****Gradle**

Which if statement will execute with

`gradle SocketClient -Phost=localhost -Pnumber=5 ?`

```
if (project.hasProperty("host") && project.hasProperty("message") && project.hasProperty("number")) {  
    args(project.getProperty('host'),  
          project.getProperty('message'),  
          project.getProperty('number'));  
}  
else if (project.hasProperty("host") && project.hasProperty("message")) {  
    args(project.getProperty('host'),  
          project.getProperty('message'));  
}  
else if (project.hasProperty("host") && project.hasProperty("number")) {  
    args(project.getProperty('host'),  
          "Set by Gradle, since nothing provided: https://gph.is/2y76sj4",  
          project.getProperty('number'));  
}  
else if (project.hasProperty("host")) {  
    args(project.getProperty('host'));  
}
```

C.

# SER 321

## Gradle

Which if statement will execute with  
gradle SocketClient ?

```
if (project.hasProperty("host") && project.hasProperty("message") && project.hasProperty("number")) {  
    args(project.getProperty('host'),  
          project.getProperty('message'),  
          A.      project.getProperty('number'));  
}  
} else if (project.hasProperty("host") && project.hasProperty("message")) {  
    args(project.getProperty('host'),  
          B.      project.getProperty('message'));  
}  
} else if (project.hasProperty("host") && project.hasProperty("number")) {  
    args(project.getProperty('host'),  
          C.      "Set by Gradle, since nothing provided: https://gph.is/2y76sj4",  
          project.getProperty('number'));  
}  
} else if (project.hasProperty("host")) {  
    D. args(project.getProperty('host'));  
}
```

**SER 321****Gradle**

Which if statement will execute with  
gradle SocketClient ?

```
if (project.hasProperty("host") && project.hasProperty("message") && project.hasProperty("number")) {  
    args(project.getProperty('host'),  
          project.getProperty('message'),  
          A.      project.getProperty('number'));  
} else if (project.hasProperty("host") && project.hasProperty("message")) {  
    args(project.getProperty('host'),  
          B.      project.getProperty('message'));  
} else if (project.hasProperty("host") && project.hasProperty("number")) {  
    args(project.getProperty('host'),  
          C.      "Set by Gradle, since nothing provided: https://gph.is/2y76sj4",  
          project.getProperty('number'));  
} else if (project.hasProperty("host")) {  
    D. args(project.getProperty('host'));  
}
```

NONE!

How could we change that?

**SER 321****OSI Model**

Unit

Layer

What we are *really*  
talking about

Data	Application	
Data	Presentation	
Data	Session	
Segment	Transport	
Packet	Network	
Frame	Data Link	
Bits	Physical	

**SER 321**

**Network Layer - IP**

Given the following IP address, identify the...

Port

128.148.32.110 **8080**

**SER 321**

**Network Layer - IP**

Given the following IP address, identify the...

Subnet

128.148.32.110:8080

**SER 321**

**Network Layer - IP**

Given the following IP address, identify the...

Network

128.148.32.110:8080

**SER 321**

**Network Layer - IP**

Given the following IP address, identify the...

Host

128.148.32.110:8080

# SER 321

## TCP/UDP

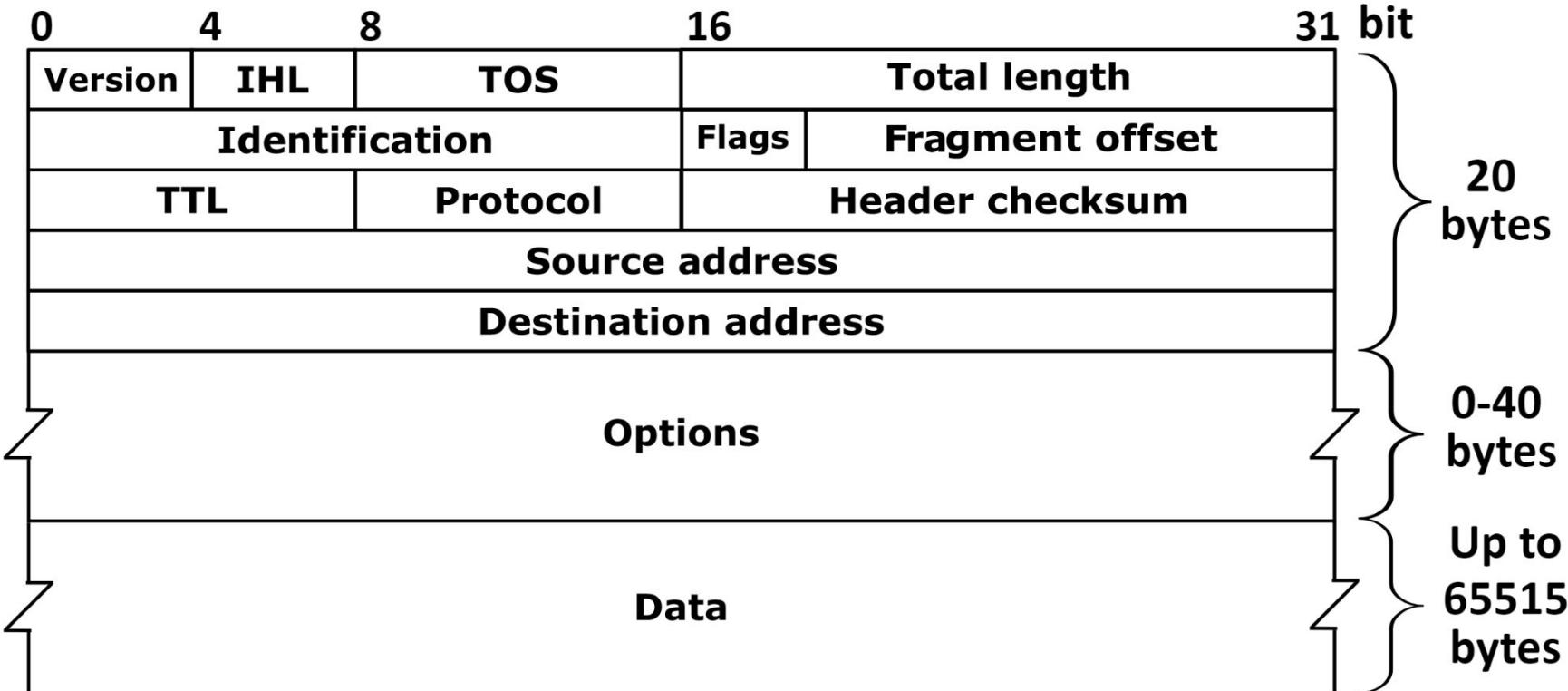
TCP	UDP

SER 321

Headers

What type of header is this?

IP Header



## TCP or UDP Header?

**SER 321**

**Scratch Space**

## Upcoming Events

### SI Sessions:

- ~~Sunday, January 19th at 7:00 pm MST - CANCELLED (MLK Day)~~
- Tuesday, January 21st at 11:00 am MST
- Thursday, January 23rd at 7:00 pm MST

### Review Sessions:

- TBD

# Questions?

## Survey:

<https://asuasn.info/ASNSurvey>



# More Questions?

## Check out our other resources!

tutoring.asu.edu

The screenshot shows the ASU Academic Support Network homepage. At the top, there's a yellow header with the ASU logo and the text "Academic Support Network". Below the header, there's a navigation bar with links for "Services", "Faculty and Staff Resources", and "About Us". A red button labeled "University College" is visible. The main section features a large yellow banner with the text "Academic Support". Below the banner, there's a brief description of the service: "Academic Support Network (ASN) provides a variety of free services in-person and online to help currently enrolled ASU students succeed academically." There are also sections for "Services" and "Online Study Hub" with images and descriptions.

Academic Support Network (ASN) provides a variety of free services in-person and online to help currently enrolled ASU students succeed academically.

## Services



### Subject Area Tutoring

Need in-person or online help with math, science, business, or engineering courses? Just hop into our Zoom room or drop into a center for small group tutoring. We'll take it from there.

[Need help using Zoom?](#)

[View the tutoring schedule](#)

[View digital resources](#)

[Go to Zoom](#)



### Writing Tutoring

Need help with undergraduate or graduate writing assignments? Schedule an in-person or online appointment, access your appointment link, or wait in our drop-in queue.

[Access your appointment link](#)

[Access the drop-in queue](#)

[Schedule Appointment](#)



### Online Study Hub

Join our online peer communities to connect with your fellow Sun Devils. Engage with our tools to search our bank of resources, videos, and previously asked questions. Or, ask our Tutorbot questions.

Now supporting courses in Math, Science, Business, Engineering, and Writing.

[Online Study Hub](#)

1 -

[Go to Zoom](#)

[Need help using Zoom?](#)

[View the tutoring schedule](#)

[View digital resources](#)

1. Click on 'Go to Zoom' to log onto our Online Tutoring Center.
2. Click on 'View the tutoring schedule' to see when tutors are available for specific courses.



# More Questions? Check out our other resources!

[tutoring.asu.edu/online-study-hub](https://tutoring.asu.edu/online-study-hub)

Online Study Hub

Online peer communities for students and tutors, YouTube channels, and Tutorbots.



## What are online peer communities?

Individual courses have an online peer community that allows you to connect with your peers to post and answer questions and to develop study groups.



## How can tutoring center videos help?

Videos can help supplement the learning you're doing in and outside of class and include step-by-step methods for how to understand concepts.



## How does the Tutorbot work?

You can ask the Tutorbot questions about course concepts and the Tutorbot will recommend additional resources and examples to help address your questions.

ASU Academic Support Network

Arizona State University Services Faculty and Staff Resources About Us

University College

Select a subject

- Any -

Apply

Business

## ACC 231

Uses of Accounting Info I

Peer Community

## ACC 241

Uses of Accounting Info II

Peer Community

## CIS 105

Computer Applications and Information Technology

Peer Community

Don't forget to check out  
the Online Study Hub  
for additional resources!

# Expanded Writing Support Available

Including Grammarly for Education, at no cost!



 Activate your Grammarly for Education account now!

Use the button below and we'll use your ASU login to create a Grammarly for Education premium account. See ya on the AI side!

[Sign up](#)

\*Available slots for this pilot are limited



[tutoring.asu.edu/expanded-writing-support](https://tutoring.asu.edu/expanded-writing-support)

## Additional Resources

- [Course Repo](#)
- [Gradle Documentation](#)
- [GitHub SSH Help](#)
- [Linux Man Pages](#)
- [OSI Interactive](#)