

SER 321 B Session

SI Session

Sunday, October 20th 2024

7:00 pm - 8:00 pm MST

Agenda



What is SI?

About Me

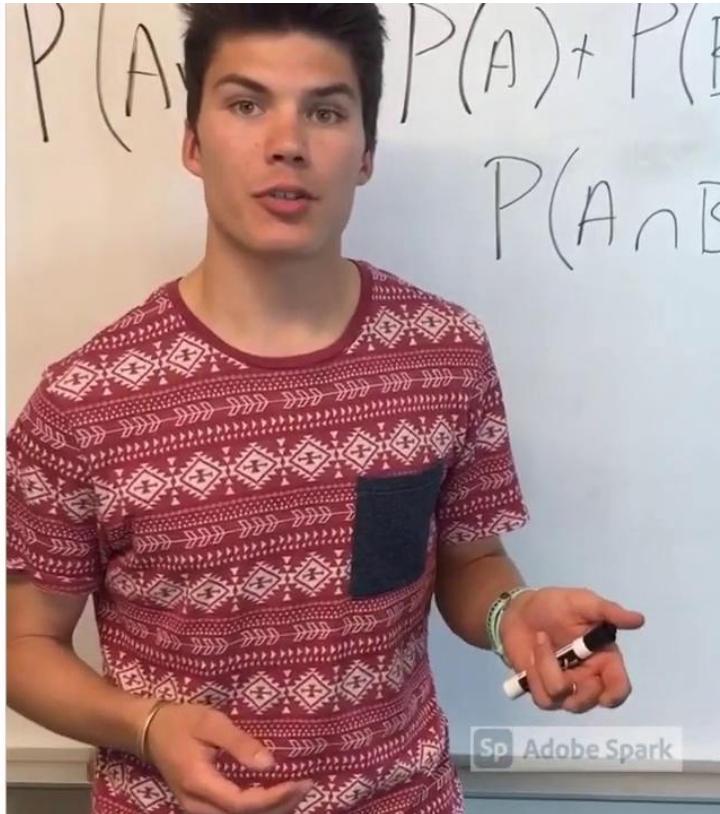
Session Times & Expectations

Course Tips!

What is SI?

Informational Video

What is SI?



About Me

Katie

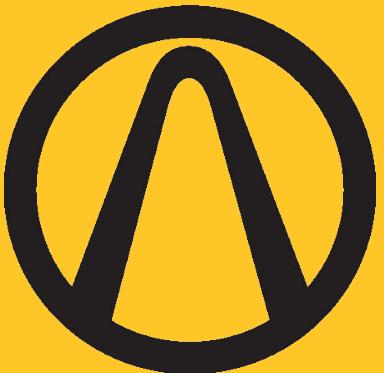
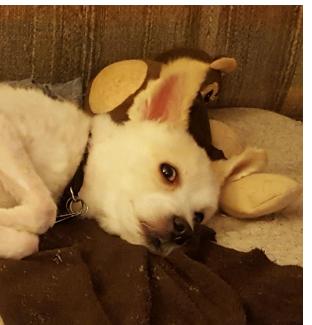
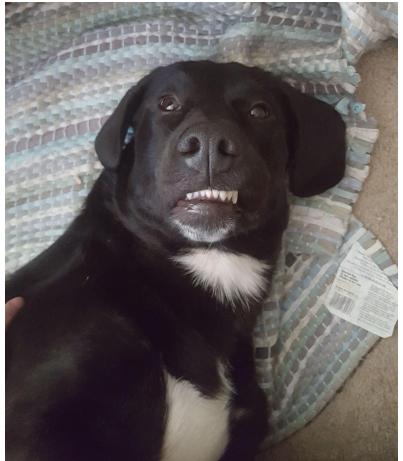
- Born and raised near Chicago, Illinois
 - Moved around within the Northern Suburbs
 - Currently in Grayslake
- Work at a local Italian restaurant
- Received AS from my local Community College
- Transferred to ASU for Software Engineering
- Runs in the family
 - Father is a Software Architect
 - Mother is a Quality Assurance Analyst
- Graduating Spring 2025 



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

10:00 - 11:00 AM MST

7:00 - 8:00 PM MST

7:00 - 8:00 PM MST

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Slack Overview

The screenshot shows a Slack interface with a dark theme. At the top, there's a search bar with the text "Search Arizona State University". The left sidebar has a tree view of channels and direct messages. A yellow box highlights the "Bookmarks" tab in the top navigation bar. The main channel, "# si_channel", is active. A message from Katie Grinnell at 7:30 PM says: "@channel 🌻 Hi Everyone! 🌻 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!" Below the message, a bulleted list provides session details:

- Our sessions will be held starting **Sunday October 20th** (unless otherwise told):
 - Tuesdays, 10:00-11:00 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/86351956689>
- Google Sheet for all Session Recordings:
 - [Spreadsheet](#)
 - To access this link, you will need to be signed into your [ASU Gmail Account](#)

At the bottom, there's a message input field with placeholder text "Message #si_channel" and a toolbar with various icons.

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Slack Overview

The screenshot shows a Slack interface with a dark theme. On the left is a sidebar with the following sections:

- Home
- DMs
- Activity
- Later
- Channels
 - # si_channel (highlighted)
 - # assignment6
 - # finalexam

The main area shows a channel named "# si_channel". At the top of this channel are three pinned items, each with a yellow arrow pointing to it from the bottom of the image:

- Join Session (asu.zoom.us)
- Recordings (docs.google.com)
- Session Slides (asu.instructure.com)

A search bar at the top right says "Search Arizona State University". A notification badge in the top right corner shows "66".

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Slack Overview

The screenshot shows the Slack interface for the SER 321 team. The left sidebar displays various channels and direct messages. The main channel, "# si_channel", is currently selected and active. The "Resources" tab is highlighted, showing a list of links:

Resources

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

The Slack interface includes a search bar at the top, a sidebar with navigation icons, and a header with user information and settings.

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Making a Request

☰ DEV-2024Summer-SER321-01-SI > Discussions

2024 DEV

Home

Announcements

Files

Syllabus

Modules

Discussions

All

Search by title or author...



+Discussion



▼ Pinned Discussions

[Make a Request!](#)

All Sections



▼ 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

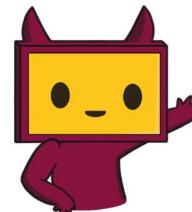
⋮

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Tips for Success!

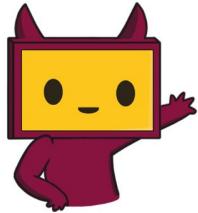
- Start assignments ASAP
 - Read the entire document first!
 - Be sure to checkout the Assignment Helper Docs!
 - Try to group related requirements into sections
- Commit **a lot**
- Use the [Course Repo](#) - it's there for a reason!
- Monitor the slack channels!
- Ask questions right away - Sparky!

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



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Sparky Demo



Search Arizona State University

si_channel

Messages Resources Bookmarks +

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 😊 @

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Tips for Success!

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

These videos layout the foundation of this course;

PLEASE DO NOT SKIP THEM!

What is a distributed system?

How is it different?

Why do we care?

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Tips for Success!

Troubleshooting Skills are **HUGE**

Looking to find the *balance*



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Setup

You will need **two** systems

Your MAIN device

Secondary Device

AWS EC2 Instance

Linux VM



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Setup

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

Java 17 or **18**

Gradle 7.4.2

User Guide

GIT

SSH Guide

Watch the [Gradle Canvas Videos!](#)

Videos cover:

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

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'),  
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          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.

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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'),  
          "Set by Gradle, since nothing provided: https://gph.is/2y76sj4",  
          C.      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	

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Network Layer - IP

Given the following IP address, identify the...

Port

128.148.32.110 **8080**

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Network Layer - IP

Given the following IP address, identify the...

Subnet

128.148.32.110:8080

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Network Layer - IP

Given the following IP address, identify the...

Network

128.148.32.110:8080

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Network Layer - IP

Given the following IP address, identify the...

Host

128.148.32.110:8080

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TCP/UDP

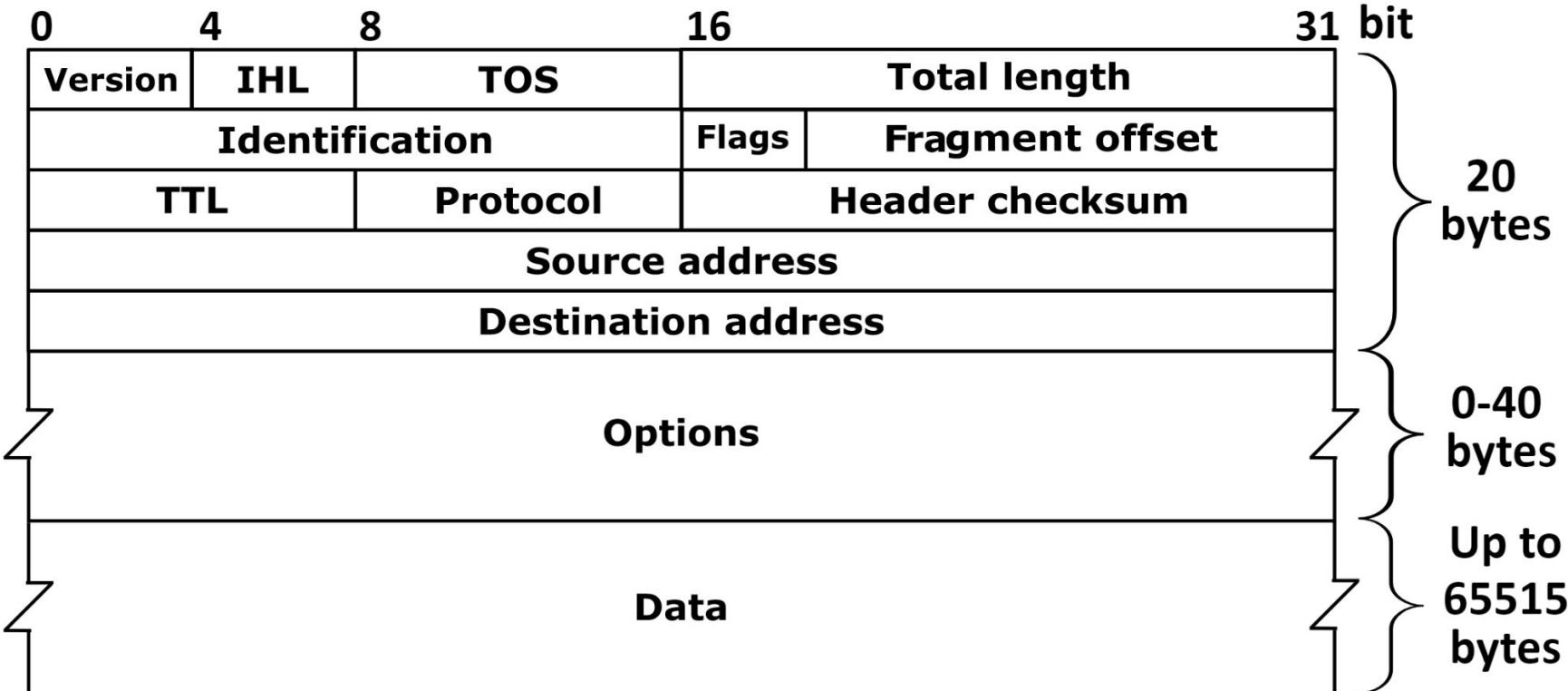
TCP	UDP

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Headers

What type of header is this?

IP Header



TCP or UDP Header?

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Scratch Space

Upcoming Events

SI Sessions:

- Tuesday, October 22nd at 10:00 am MST
- Thursday, October 24th at 7:00 pm MST
- Sunday, October 27th 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](#)



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](#)

[View digital resources](#)



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

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!

Select a subject

- Any -

Apply

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

Additional Resources

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