Deep Azure for McKesson

Navigation of Course Canvas Site
Oct 2017

Diane Howard, TA

October 10th, 2017

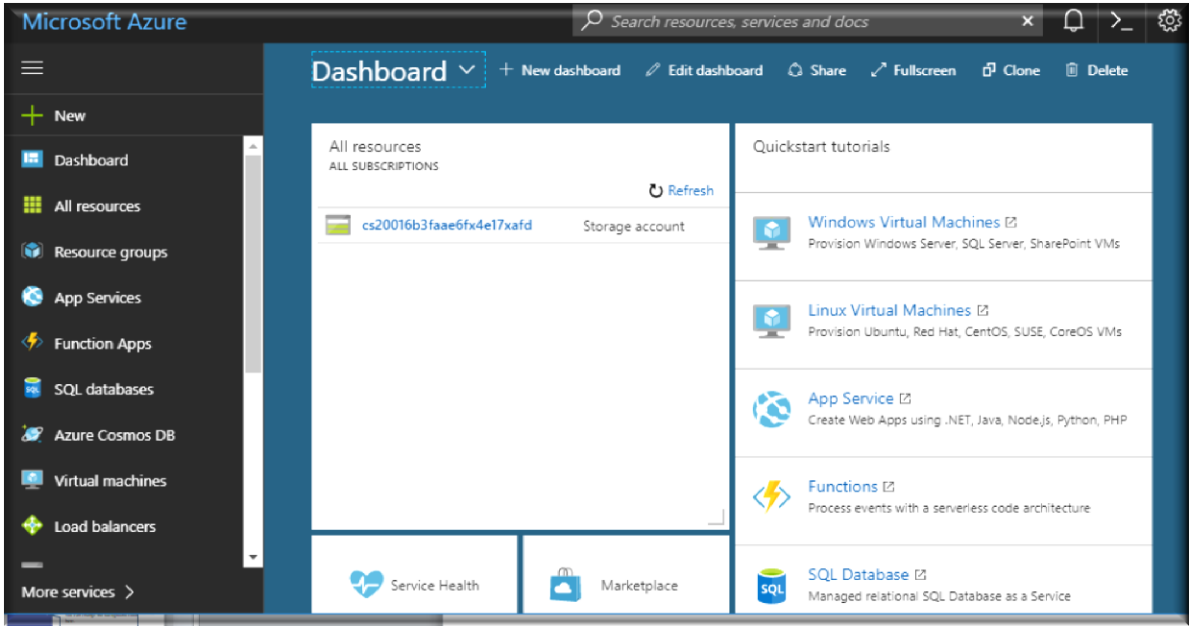
Welcome to the *Deep Azure Oct 2017 course*!

Your Teaching Staff:

Instructor: Zoran B. Djordjević

Teaching Assistants:

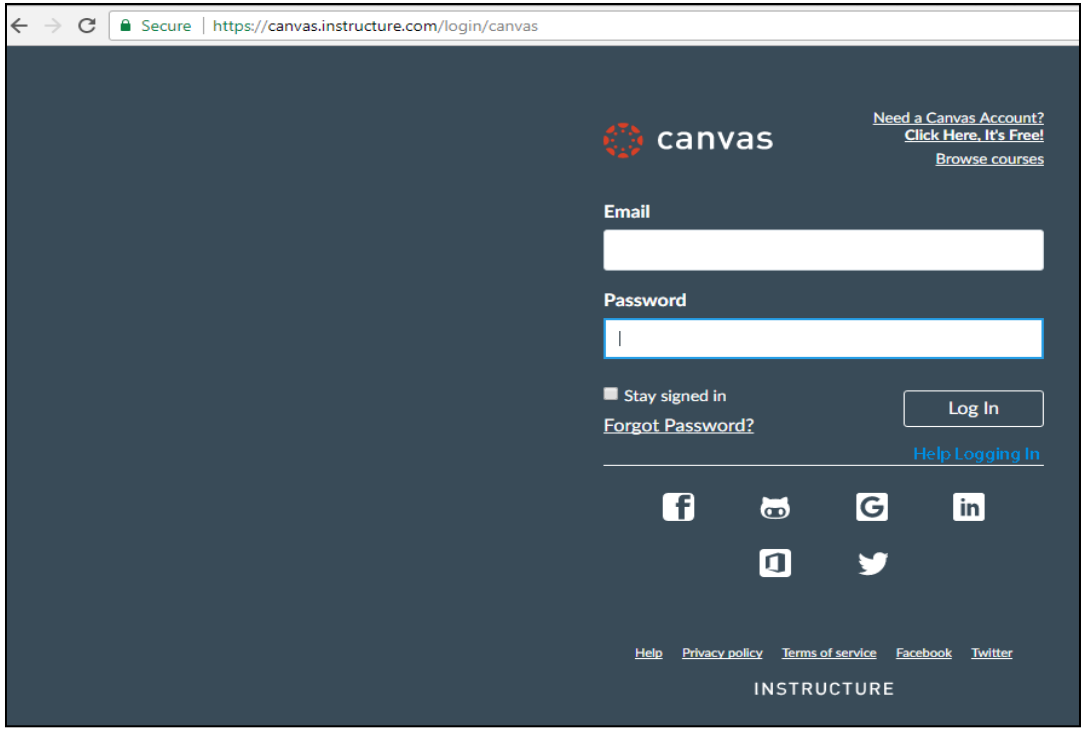
- Claudio Bustamante
- Olena Bolila
- Andrea Hatch
- Diane Howard
- Joan Imrich
- Vallari Joglekar
- Blagoje Djordjevic



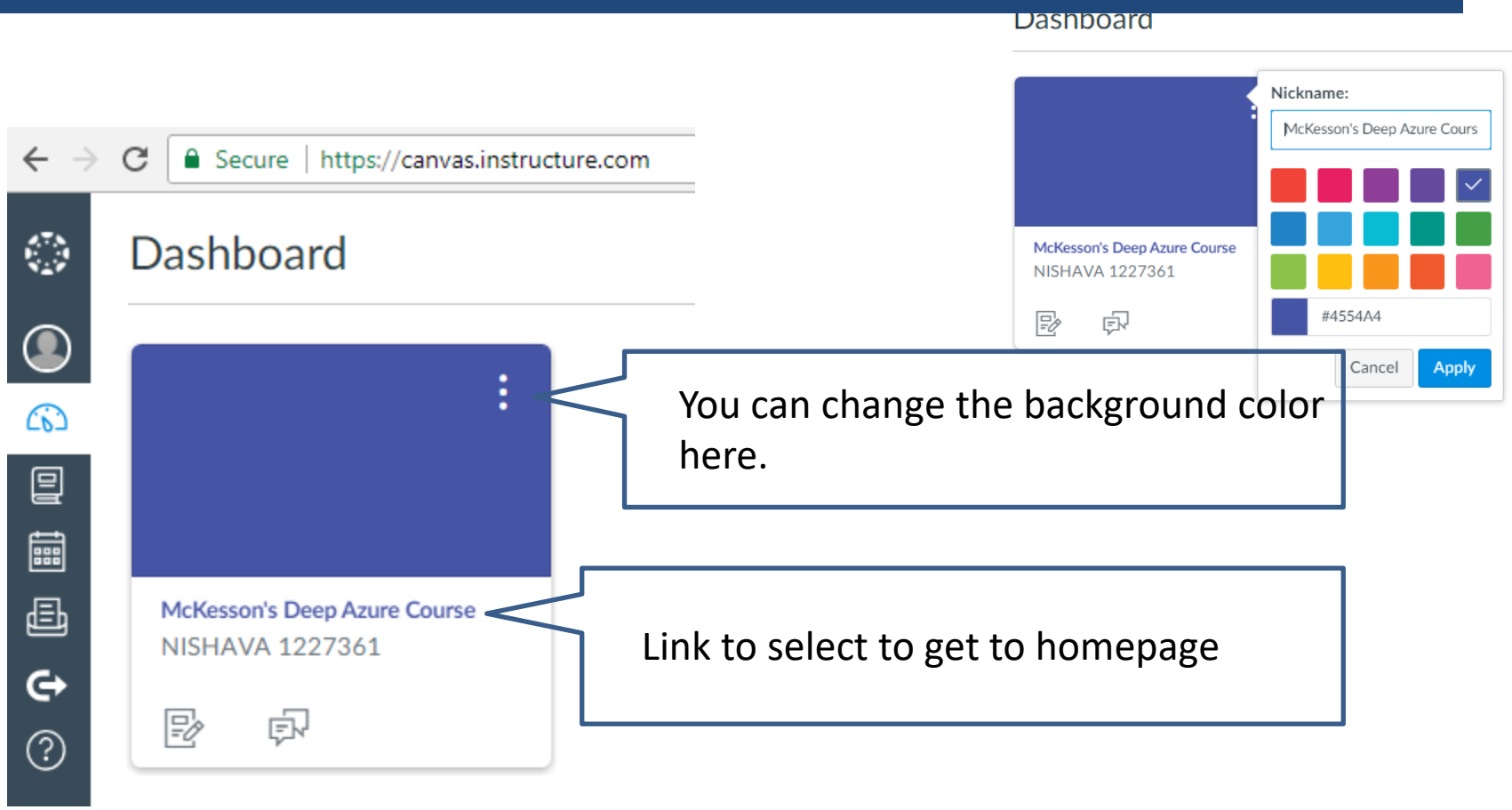
How to Login

- **Course URL:**

First time logging in:
https://canvas.instructure.com/login/canvas

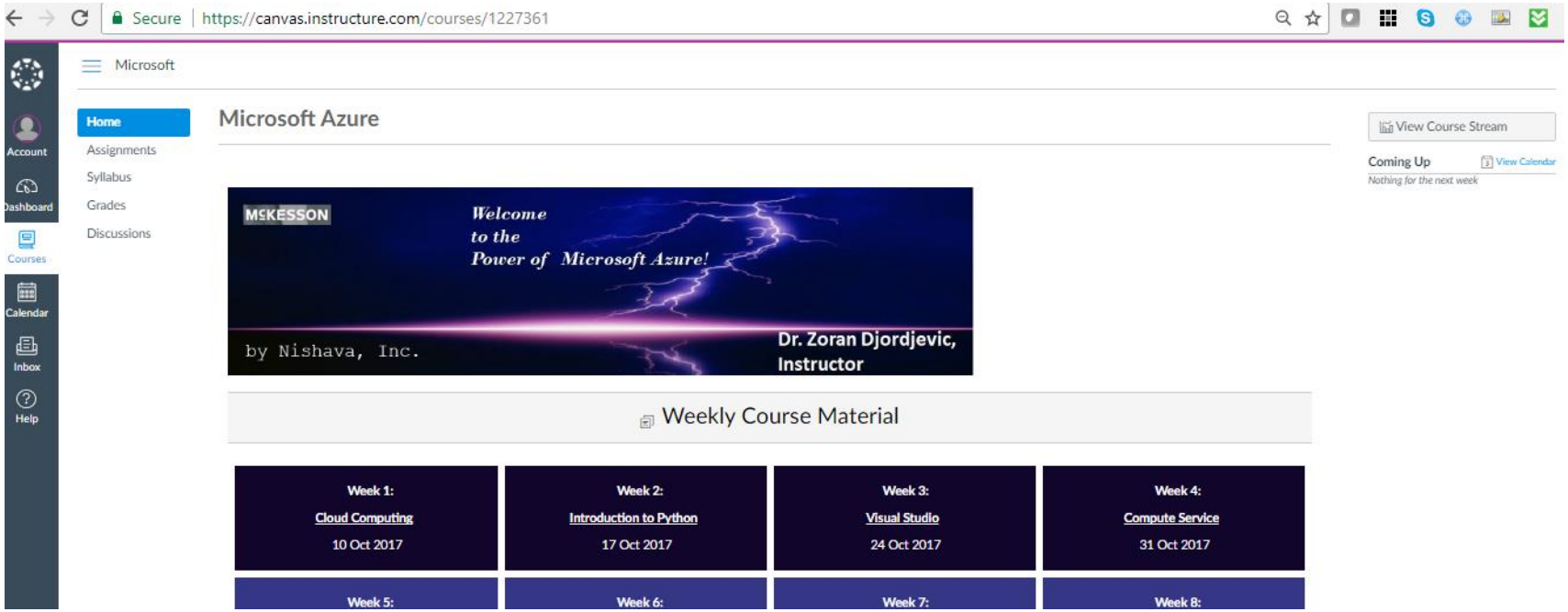


Your Dashboard

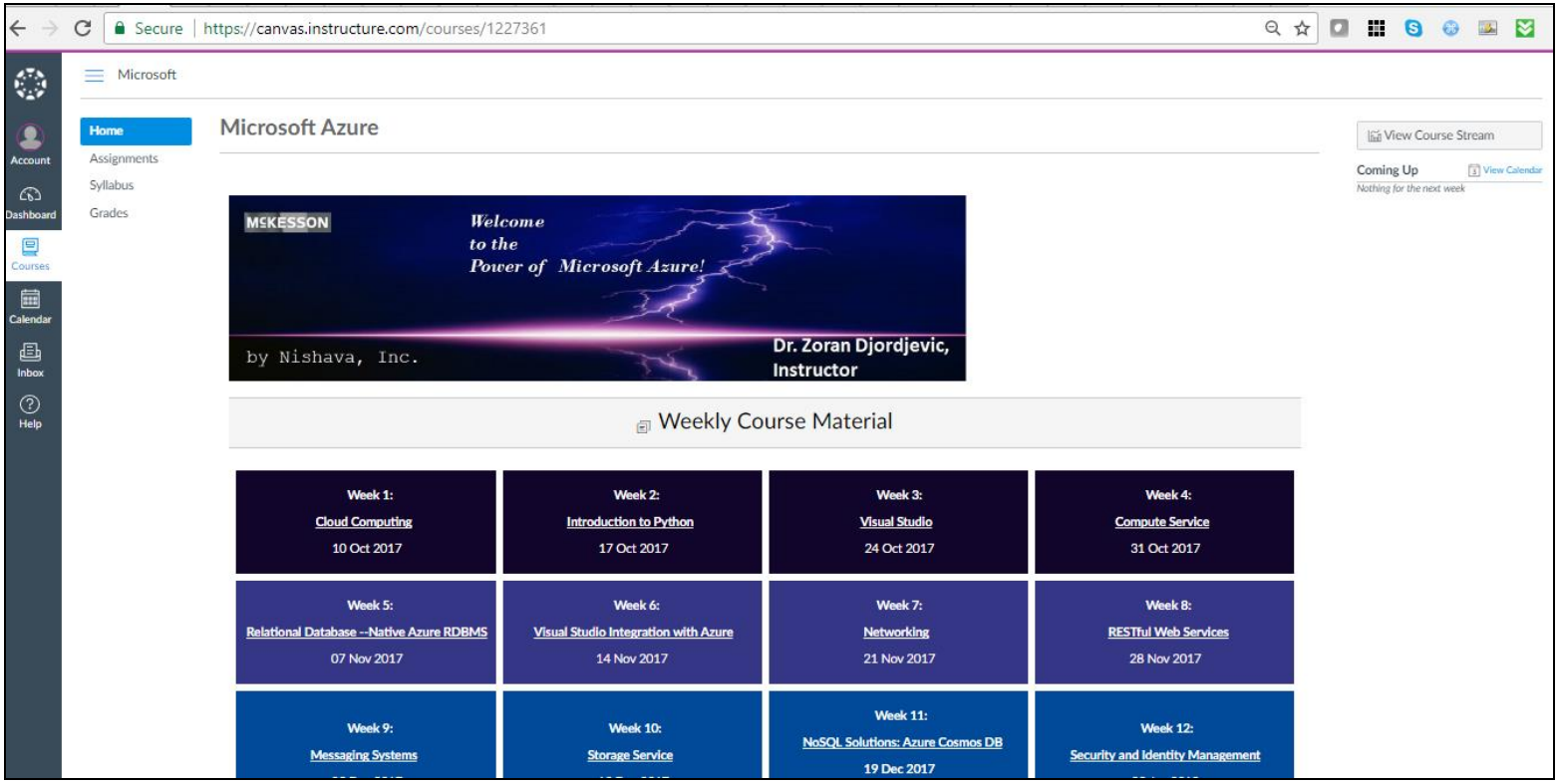


Course Home Page

https://canvas.instructure.com/courses/1227361



Example Weekly Folder



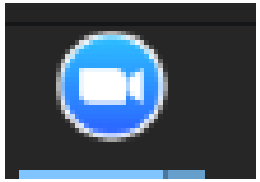
Attending Lectures

- **You can follow every lecture using Zoom Live Link:**

  https://zoom.us/j/6890474449

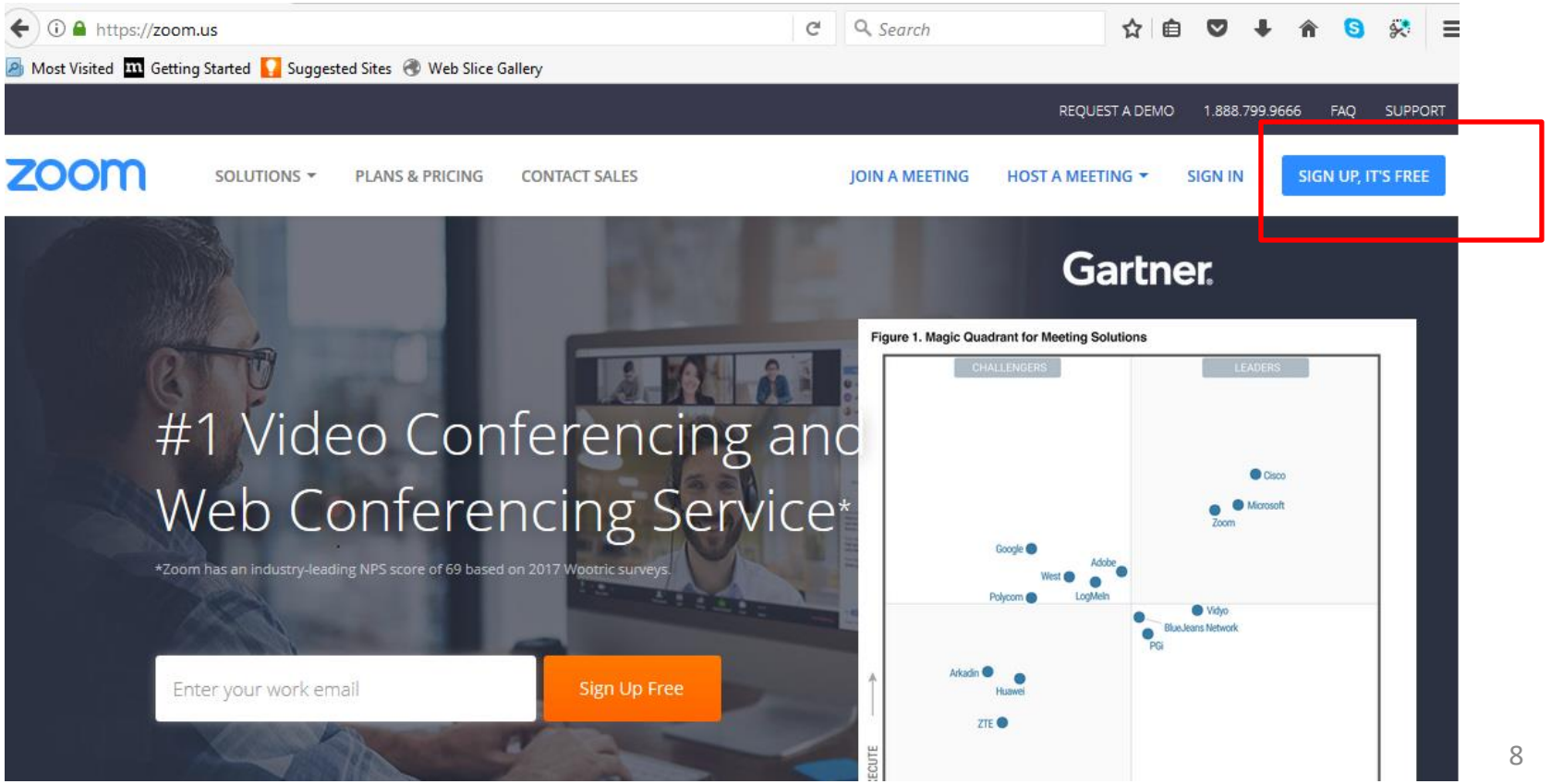
- **Lectures will be recorded for online viewing and posted in the weekly recorded lectures in each of weekly folders.**

- **After you go to Zoom you have to download the Zoom app. It will be in your tray and look like:**

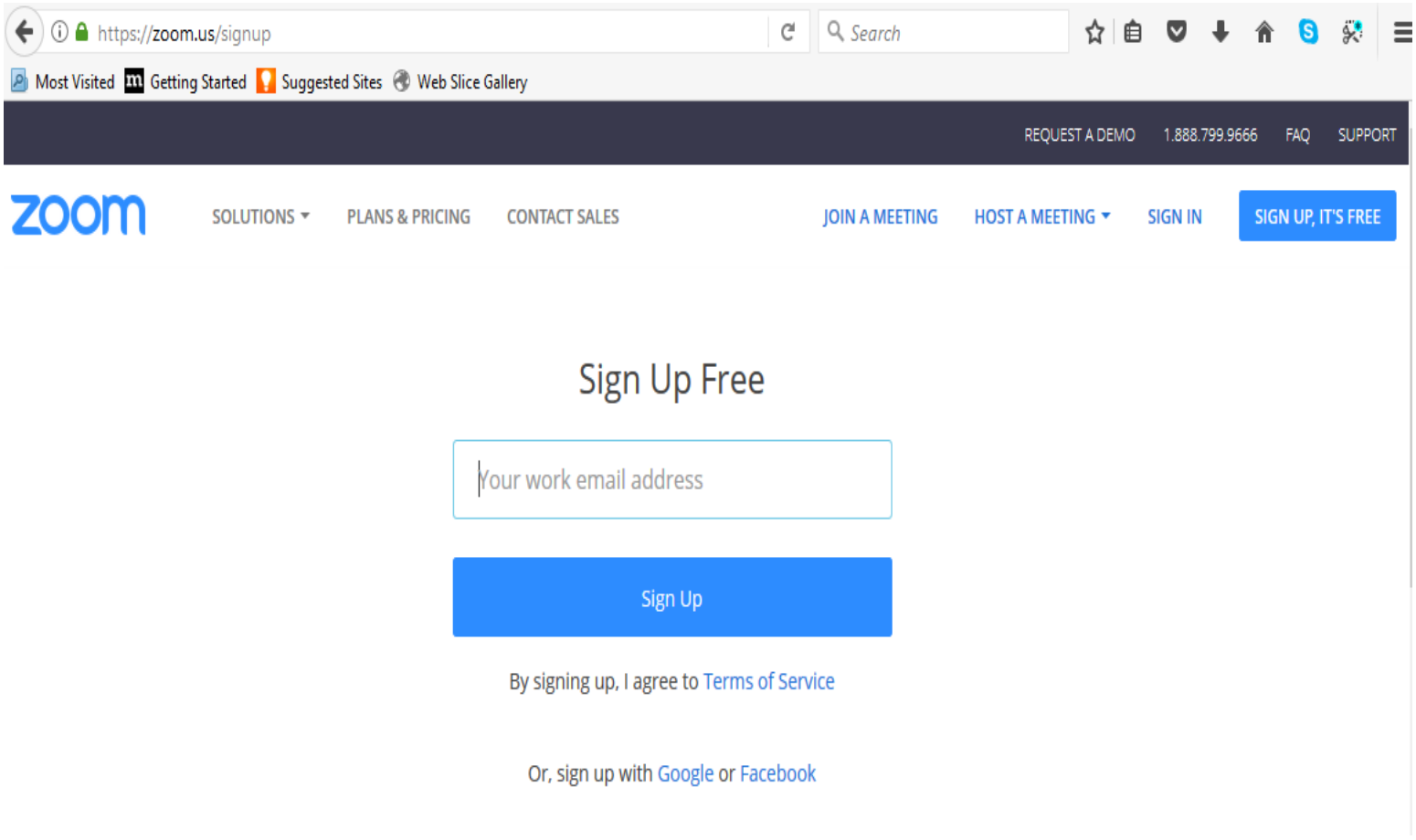


Another way to get into our Zoom course: Signup for a Zoom account

- Go to Zoom: https://www.zoom.us

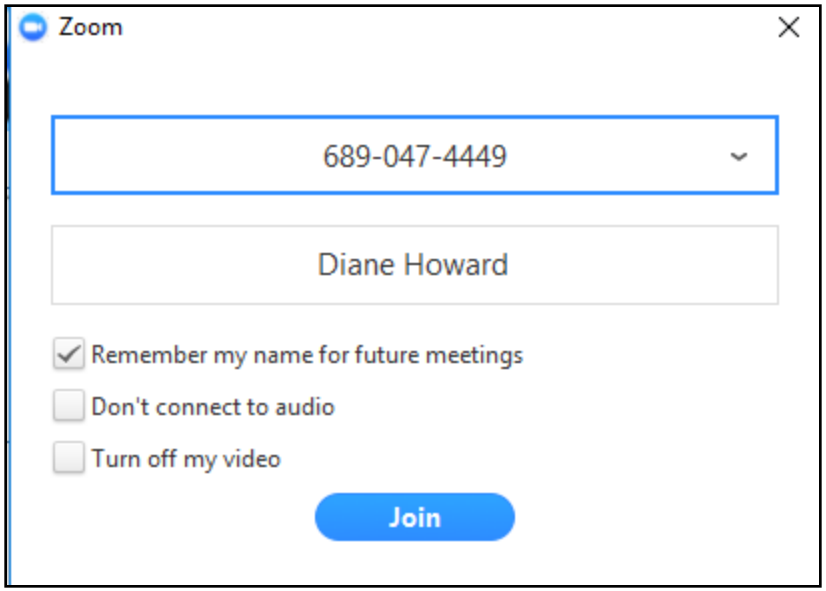


Enter your work email address



Enter Zoom ID (use this for Lectures and Labs)

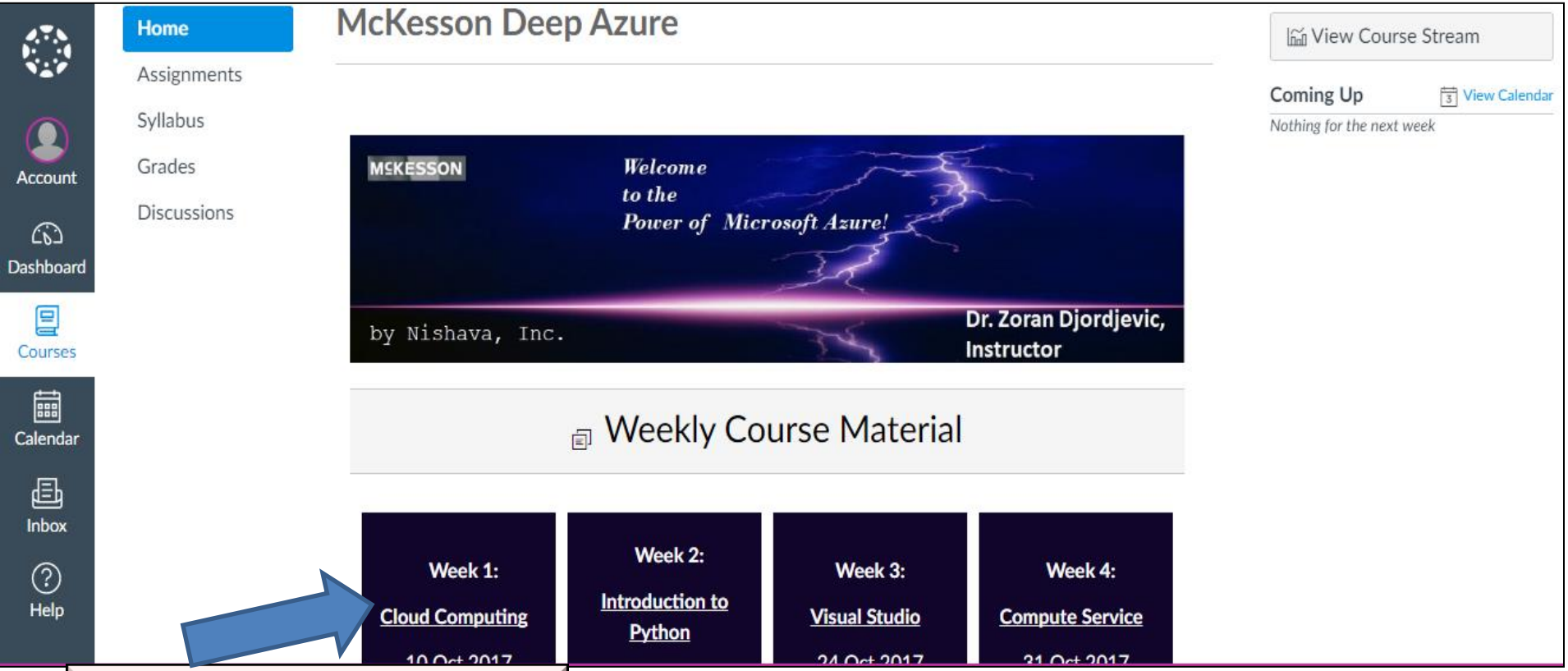
- Our Zoom ID is: 689-047-4449



Attending Labs

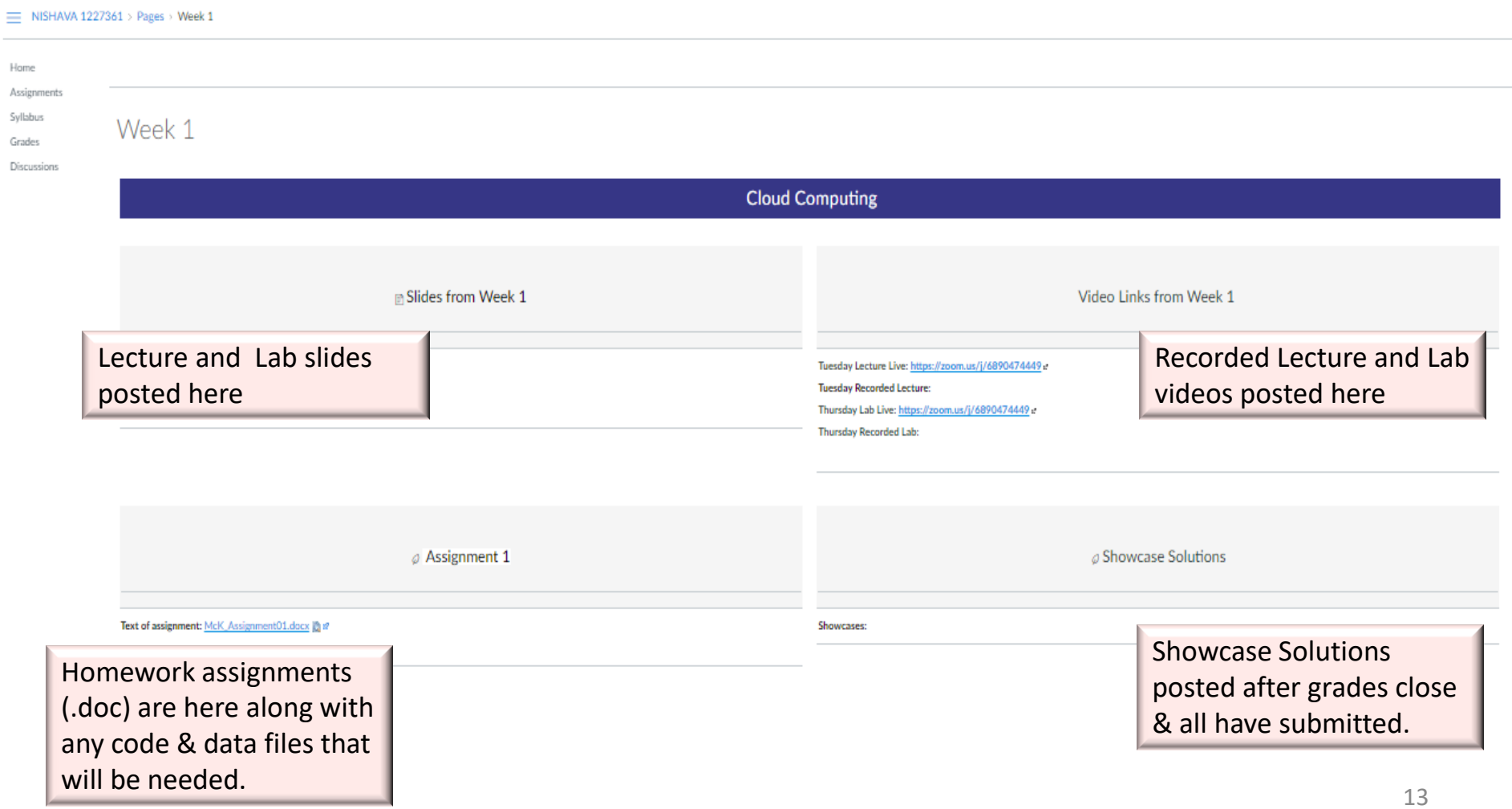
- Labs are held on Thursday evenings weekly by teaching staff and are optional.
- Starting time: 6:00 (CST)
- Review of new concepts and/or previous week's problems.
- How to attend? Use Zoom Link: https://zoom.us/j/6890474449
- Labs are also recorded and posted in the weekly folder under the Video Links from Week 1 section (far right).

Navigation of the Course Site



Weekly Lectures, Video links and Labs
& Homeworks are here

Weekly Folders



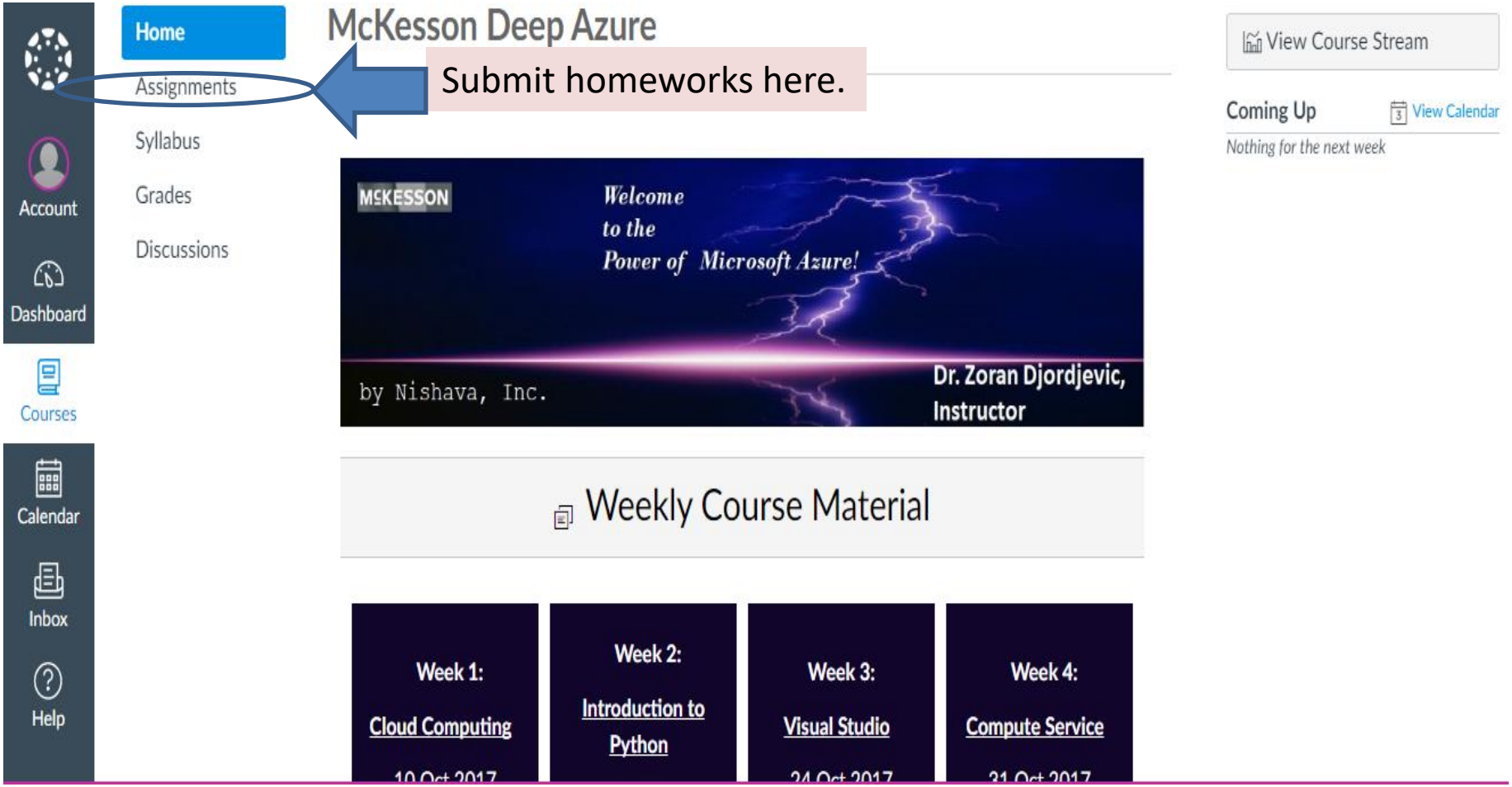
Lecture and Lab slides posted here

Recorded Lecture and Lab videos posted here

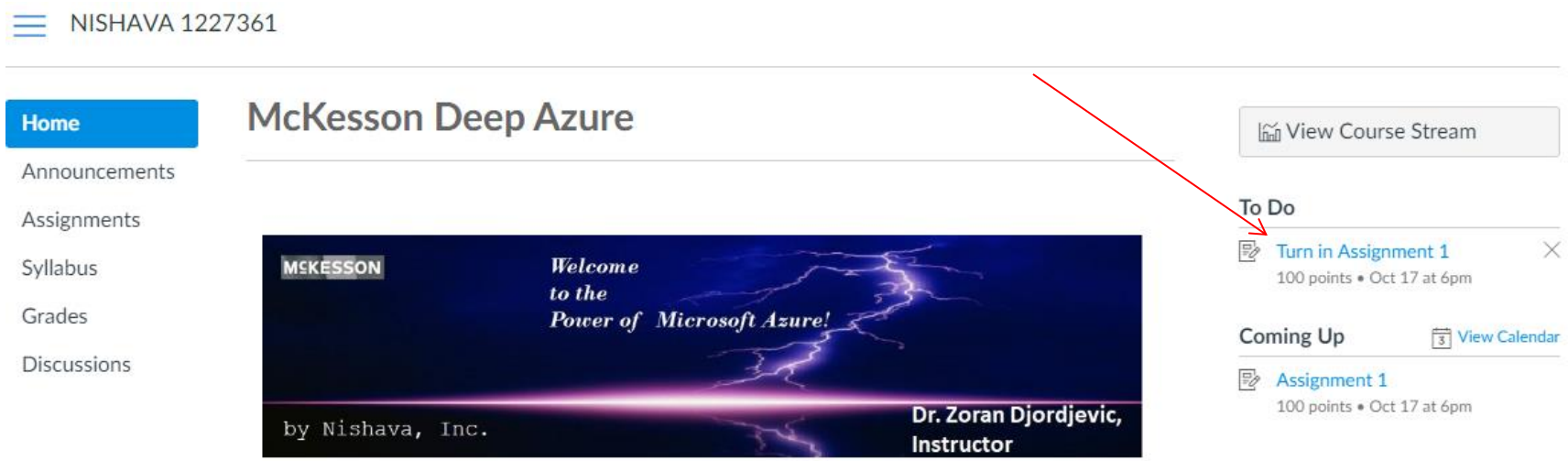
Homework assignments (.doc) are here along with any code & data files that will be needed.

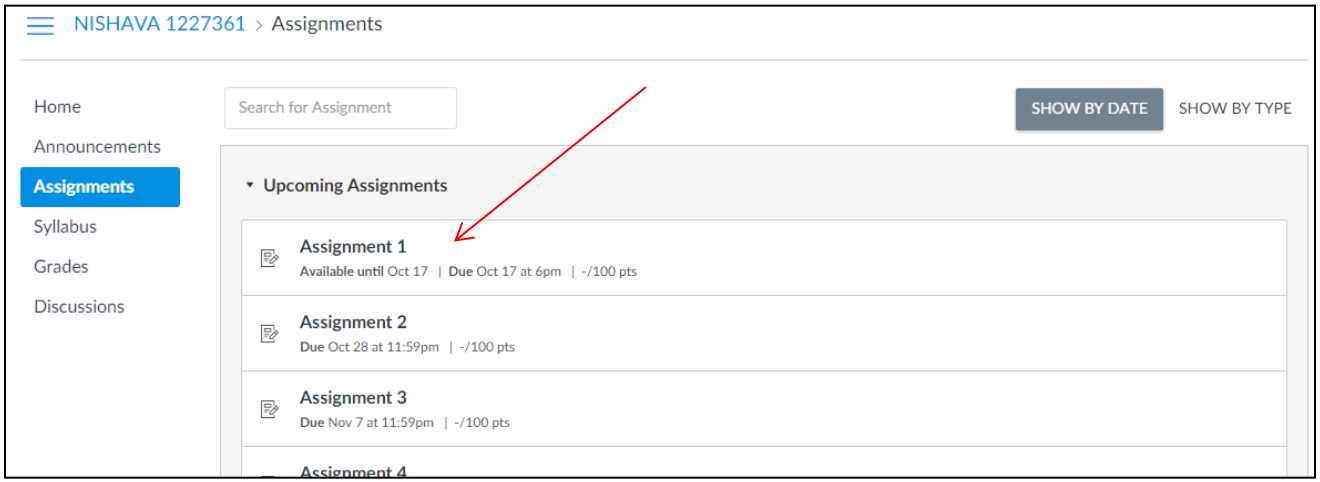
Showcase Solutions posted after grades close & all have submitted.

Submitting Your Homework

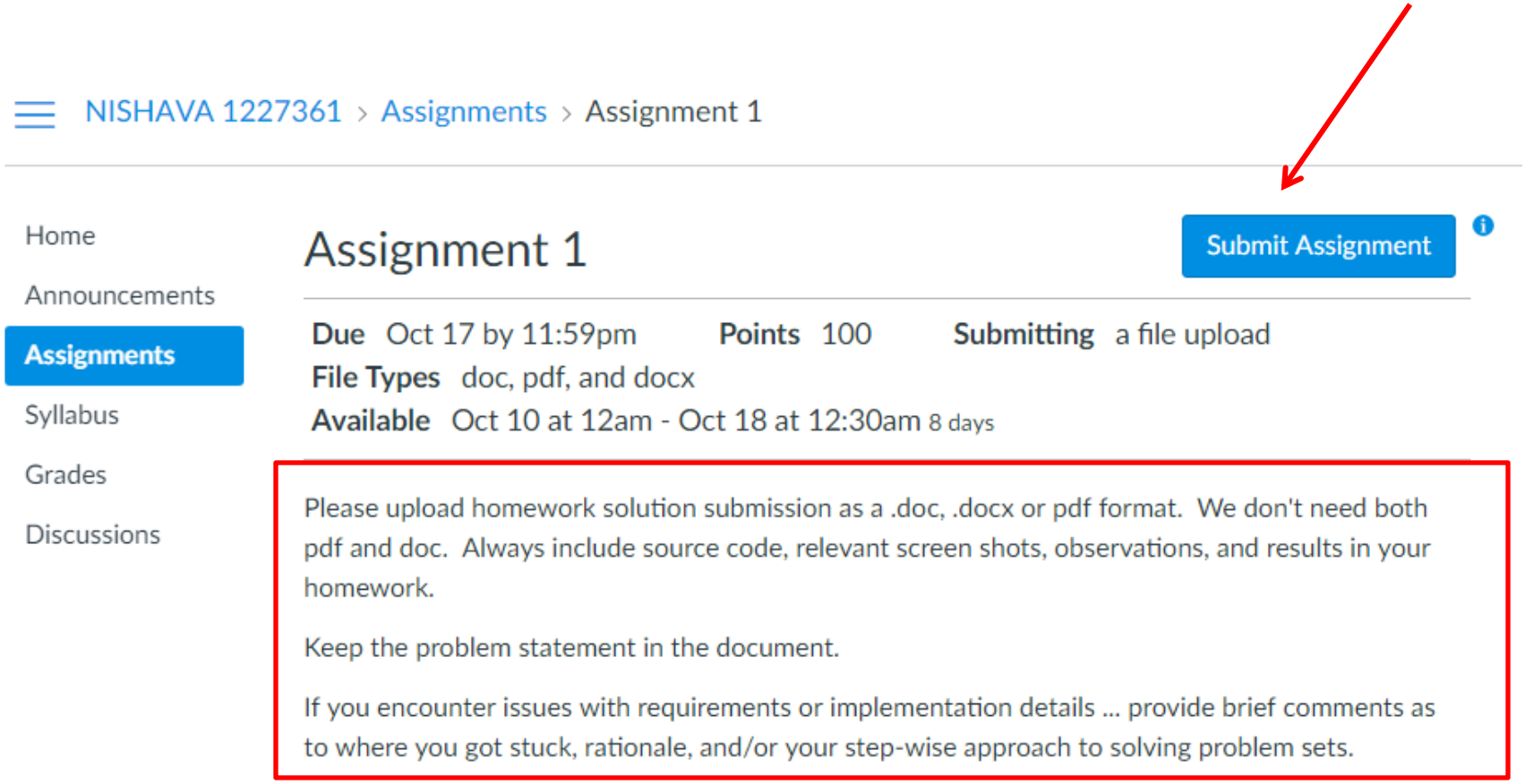


Where to submit assignments





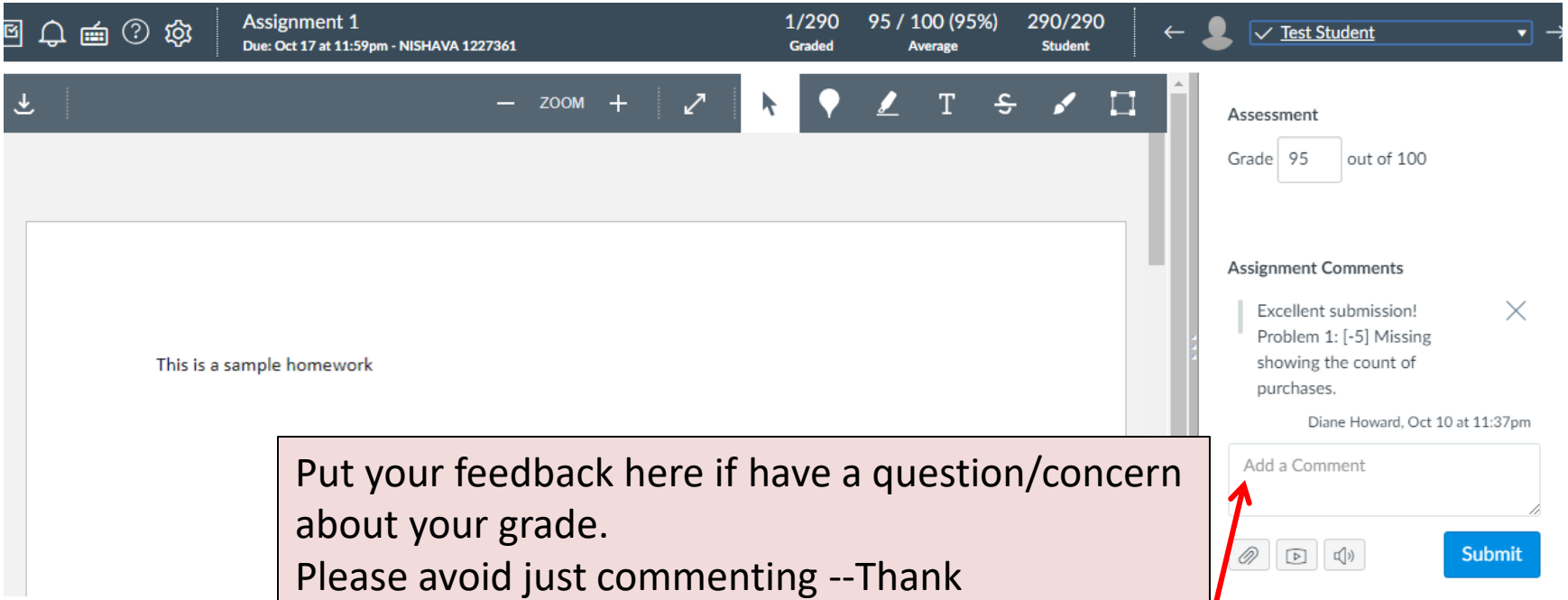
Assignment 1 Submission



Homework Info

- Document your steps: Take screen shots, include snippets of your code and show your steps in the solutions.
- No need to show error messages or long output.
- If you didn't solve a problem then just document the issue for partial credit. Let us know where you stopped.
- Approximately 14 homework assignments. One Final Project.
- All Homework solutions = 100 points; Final Project = 200 Points (note: tentatively planned)
- Qualitative Grading reported to you: Complete/Incomplete/Excused (note: tentatively planned)
- TAs will provide feedback on your homework solutions.

Homework Grades/Comments

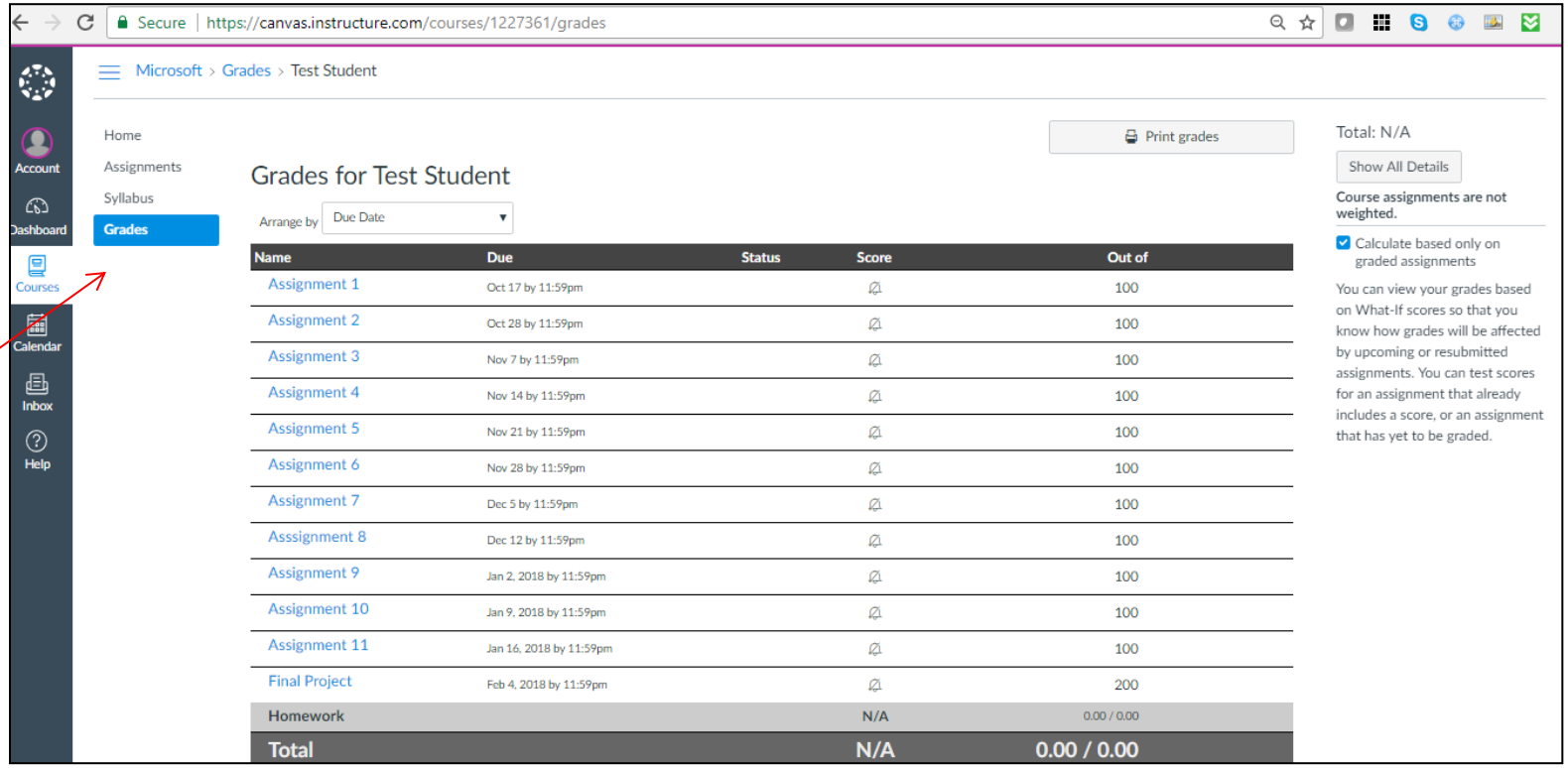


Put your feedback here if have a question/concern about your grade.
Please avoid just commenting --Thank You.
We easily miss grading comments!
If we don't respond to your comment notify your TA grader via Canvas Inbox.

Homework Due Date

- One week after lecture on Tuesday, 11:59 PM (CST) Houston Time
- There are no late submissions. Submit even partial homework for credit/feedback.
- Homework is assigned weekly.
- There is also a final project. More later…
- There are no tests or quizzes.

Where are your Grades Posted?



Discussion Posts

- We will be using **Piazza at this URL**:

  https://piazza.com/class/j8klqkd1xtkbq

  For registration you should go here:

  https://piazza.com/nishava
- You should have received an email invitation to sign up for Piazza. Please enroll. The activation code is: ZN1227361
- You could use Canvas Discussion Board. This board is hard to follow, and we might disable it after 2 weeks and use Piazza entirely.

Piazza Links

Signup Link:

piazza.com/nishava/fall2017/zn1227361

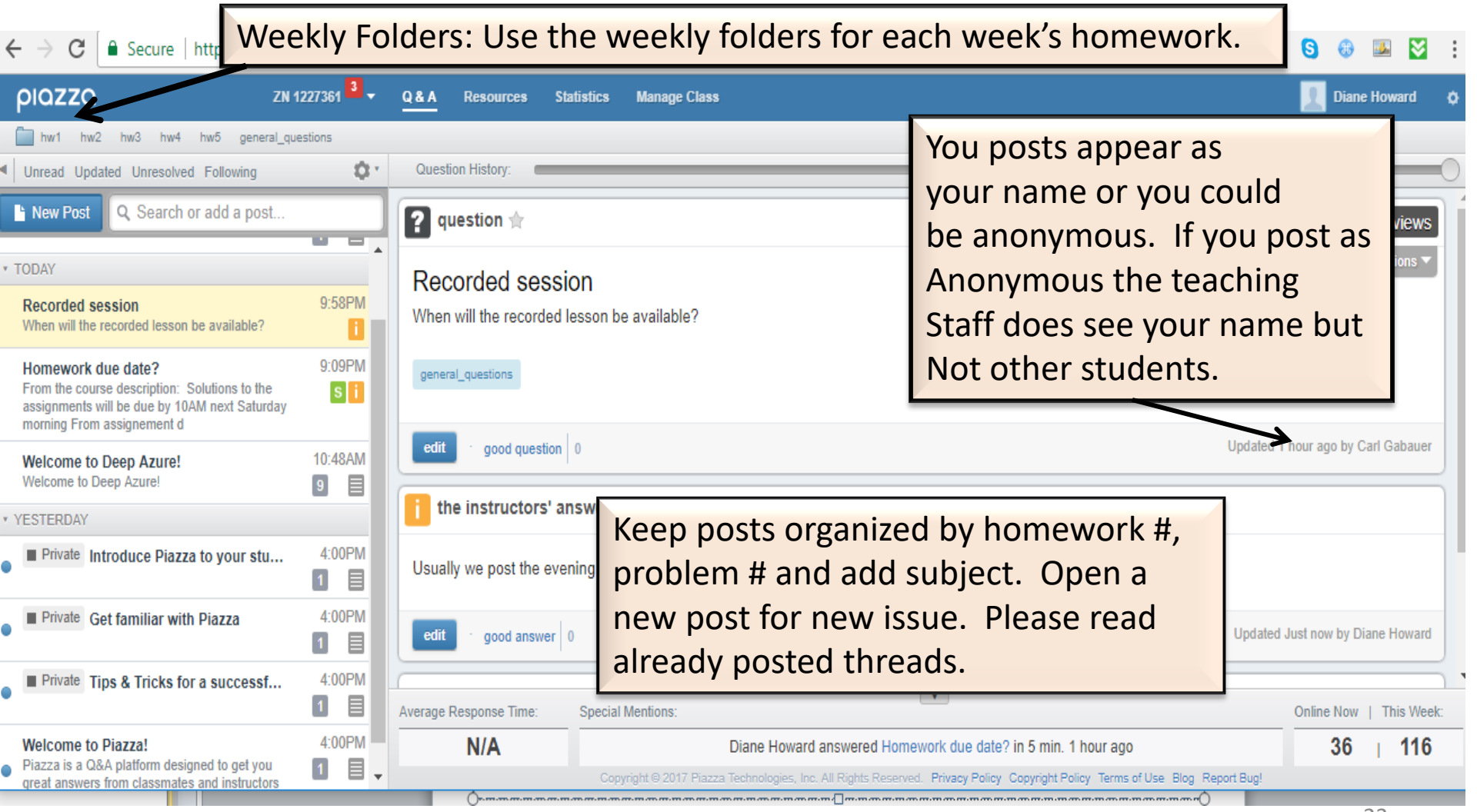
Access Code: zn1227361

Course link to Piazza:

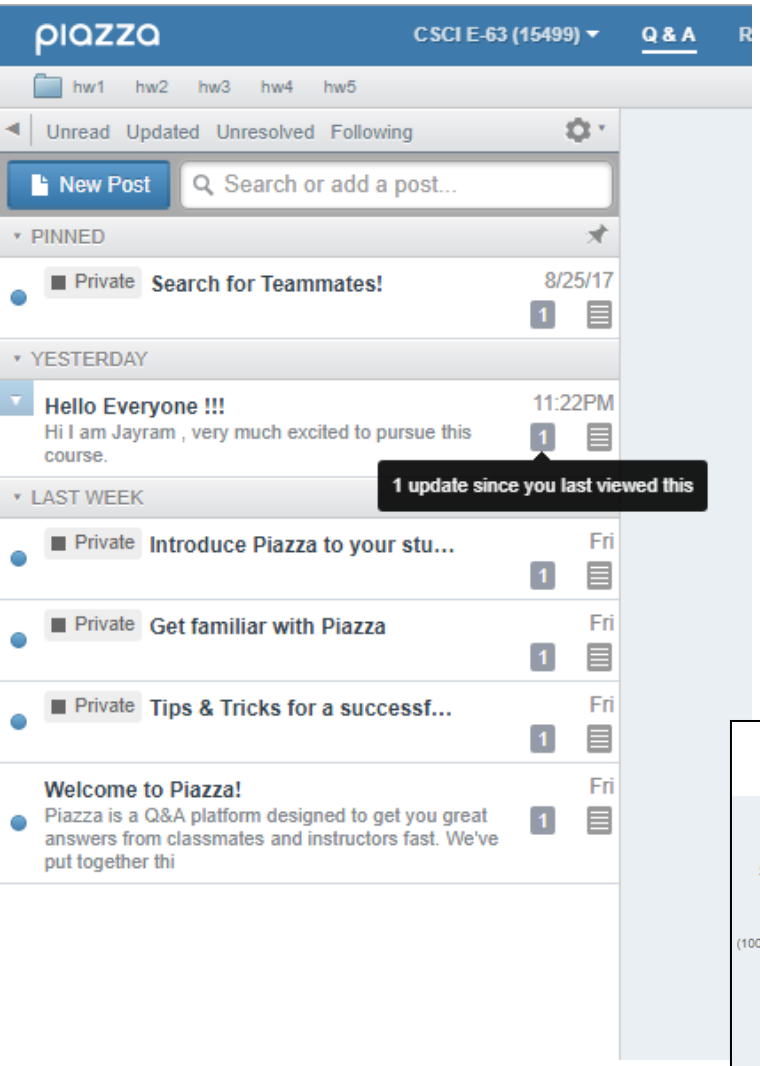
https://piazza.com/class/j8klqkd1xtkbq

To be added soon… There will be a link in your left Canvas Panel to reach Piazza through Canvas.

Piazza Q&A Page



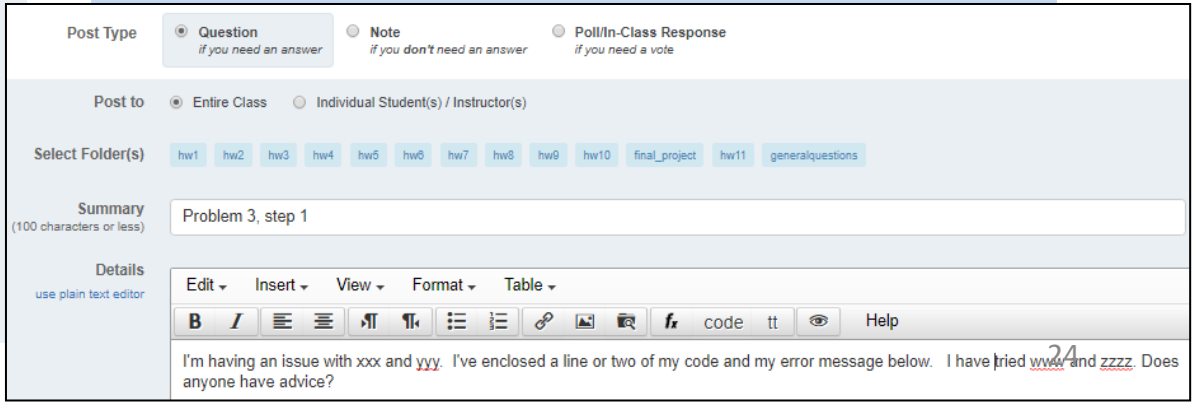
Piazza Discussions



- Post your questions for the weekly homework in the homework folder.

- Piazza is primarily for students to help other students in homework issues – configuration Issues, error messages, etc. TAs will monitor Piazza posts.
- Please do not put your code on Piazza. Just a line or two is good.

- Example Piazza post:



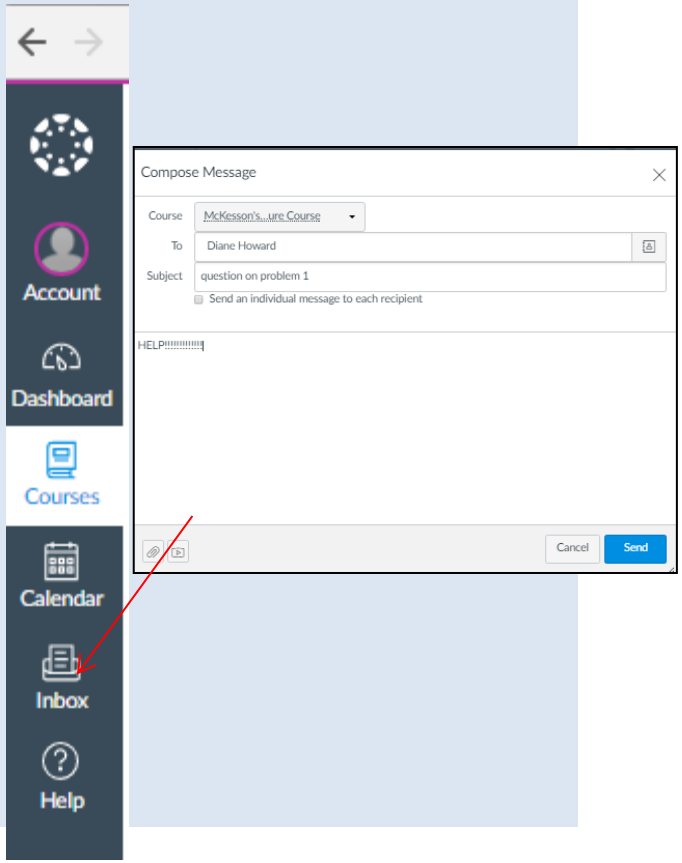
How to Reach Teaching Staff

- **Use Canvas Inbox for messages to teaching staff.**

Instructor: Zoran Djordjevic (zdjordje@nishava.com)
Teaching Assistants:

- Claudio Bustamante
- Olena Bolila
- Andrea Hatch
- Diane Howard
- Joan Imrich
- Vallari Joglekar
- Blagoje Djordjevic

(TAs do not provide their email addresses)



Useful Canvas Documentation

https://community.canvaslms.com/community/answers/guides

If there's a broken link, etc in the web site please contact TA: Diane Howard via Canvas Message.

Do not contact Canvas!

Course Syllabus

https://s3.amazonaws.com/deepazure/class_syllabus/Class+Syllabus+Nishava+Deep+Azure.pdf

- Topics and/or the ordering of topics may change per discretion of instructor.

Tentative Class Syllabus.

Class	Date	Topic
1	**10/10/2017**	**Cloud computing**: General benefits of the Cloud, Cloud architecture, business drivers, main providers, overview of security issues, XaaS Cloud based "as a Service" offerings. Establishing Azure account. Azure Portal a unified console that simplifies management of Azure resources. Starting and using basic services.
2	**10/17/17**	**Introduction to Python:** A practical guide to Python constructs, Data Frames and Numpy arrays. Jupyter notebook, Python in Visual Studio
3	**10/24/17**	**Visual Studio:** Review of C#, Basic Integration of VS and Azure
4	**10/31/17**	**Compute Service:** Linux and Windows VMs and other computational resources. VM Scale Sets. Introduction to containers. Service Fabric. Batch jobs using containers. CLI and PowerShell interfaces to Azure
5	**11/07/17**	**Azure SQL Database, Azure App Services (Web Apps, Web sites)**
6	**11/14/17**	**Relational Database:** Native Azure RDBMS (SQL Server, MySQL). Oracle in Azure. **Data Factory and Data Category:** data integration service, used to compose data storage, movement, and processing services into automated data pipelines.
7	**11/21/17**	**RESTful Web Services:** Design of REST endpoints, Java and Python REST APIs. Construction of stateful and stateless REST web service. Deploying a REST Web service in a container.
8	**11/28/17**	**Messaging Systems:** Kafka, Azure Service Bus Queue Storage, Queues, Topics, Relays
9	**12/05/17**	**Storage :** File oriented storage: Blob storage, File Storage, Azure Data Lake, HDFS (Hadoop Distributed File System). Events Hubs, IoT Hubs.
10	**12/12/17**	**NoSQL Solutions: Azure Cosmos DB,** a globally distributed and horizontally scalable database with global distribution across any

ANY QUESTIONS? HOLLER ANYTIME IN CANVAS INBOX. HAVE FUN IN THE COURSE!