

Deep Azure for McKesson

*Navigation of Course Canvas Site
Oct 2017*

McKESSON

*Welcome
to the
Power of Microsoft Azure!*

by Nishava, Inc.

**Dr. Zoran Djordjevic,
Instructor**

Diane Howard, TA

October 10th, 2017

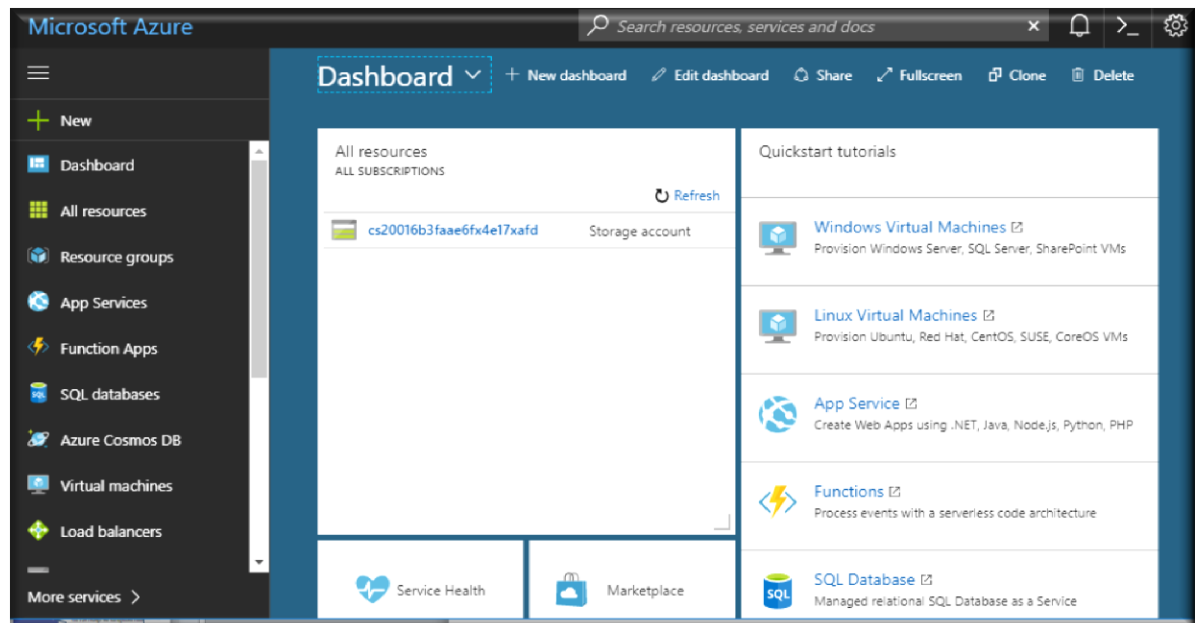
Welcome to the *Deep Azure Oct 2017 course!*

Your Teaching Staff:

Instructor: Zoran B. Djordjević

Teaching Assistants:

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

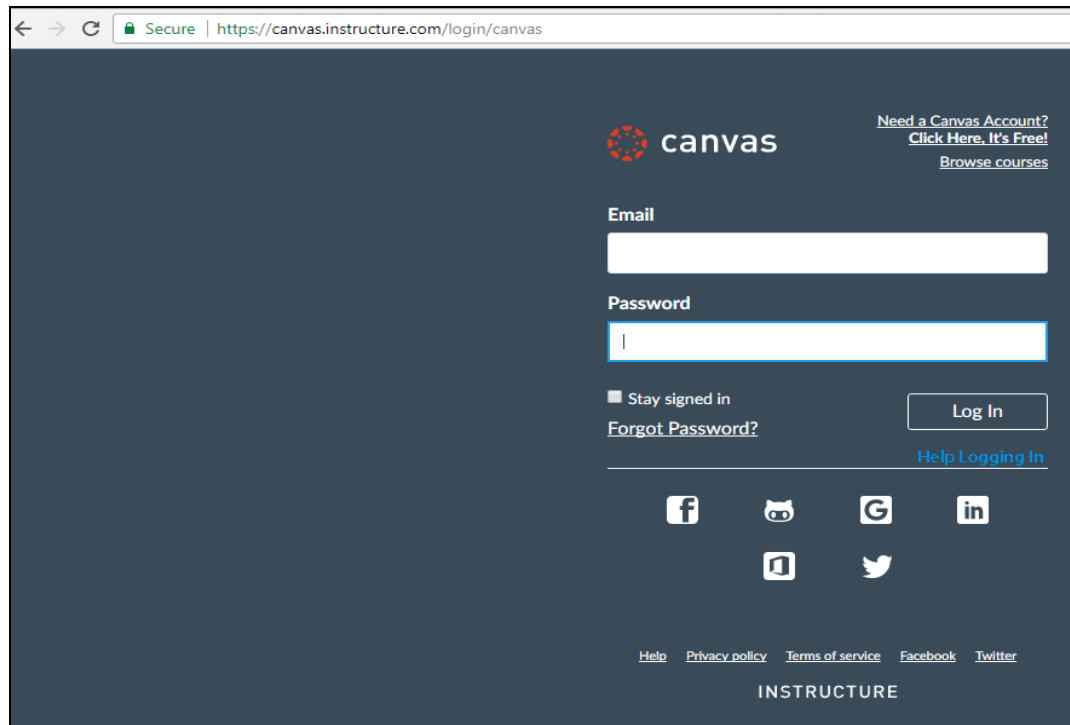


How to Login

- **Course URL:**

First time logging in:

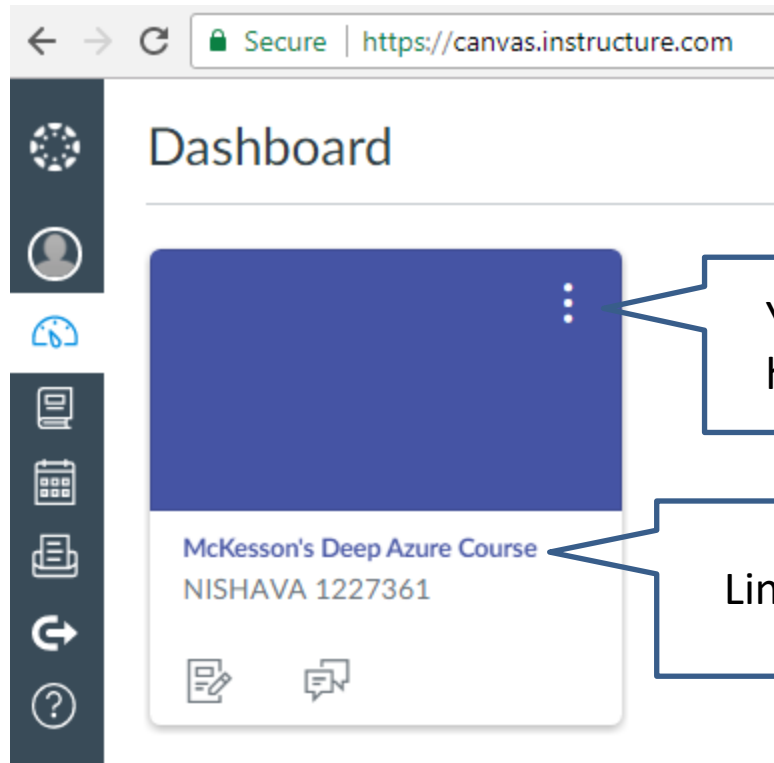
<https://canvas.instructure.com/login/canvas>



A screenshot of the Canvas login page in a web browser. The browser's address bar shows the URL <https://canvas.instructure.com/login/canvas> with a 'Secure' indicator. The page has a dark blue background. At the top right, there is a link: 'Need a Canvas Account? Click Here. It's Free!' and a link below it: 'Browse courses'. The main login area contains an 'Email' input field, a 'Password' input field, a checkbox labeled 'Stay signed in', and a 'Log In' button. Below the password field is a link for 'Forgot Password?'. At the bottom of the login area is a link for 'Help Logging In'. Below the login fields are social media icons for Facebook, GitHub, Google, LinkedIn, and Twitter. At the very bottom, there are links for 'Help', 'Privacy policy', 'Terms of service', 'Facebook', and 'Twitter', followed by the word 'INSTRUCTURE'.

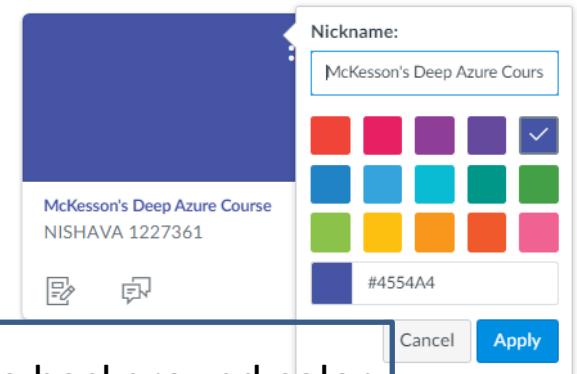
Your Dashboard

Dashboard



You can change the background color here.

Link to select to get to homepage



Course Home Page

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

The screenshot shows a web browser window with the URL <https://canvas.instructure.com/courses/1227361>. The page is titled "Microsoft Azure" and features a large banner with the text "Welcome to the Power of Microsoft Azure!" and "Dr. Zoran Djordjevic, Instructor". The banner also includes the "McKESSON" logo and "by Nishava, Inc.". Below the banner is a section titled "Weekly Course Material" with a grid of eight weeks. The first four weeks are visible, each with a title and a date. The left sidebar contains navigation links for Account, Dashboard, Courses, Calendar, Inbox, and Help. The top right corner has a search bar and a "View Course Stream" button. The bottom right corner has a "Coming Up" section with the text "Nothing for the next week" and a "View Calendar" button.

Microsoft Azure

Home

Assignments

Syllabus

Grades

Discussions

View Course Stream

Coming Up

Nothing for the next week

View Calendar

McKESSON

Welcome to the Power of Microsoft Azure!

Dr. Zoran Djordjevic, Instructor

by Nishava, Inc.

Weekly Course Material

Week 1:	Week 2:	Week 3:	Week 4:
Cloud Computing	Introduction to Python	Visual Studio	Compute Service
10 Oct 2017	17 Oct 2017	24 Oct 2017	31 Oct 2017
Week 5:	Week 6:	Week 7:	Week 8:

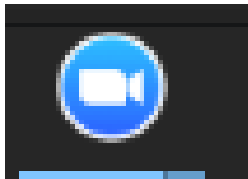
Example Weekly Folder

The screenshot shows a web browser window with the URL <https://canvas.instructure.com/courses/1227361>. The page is for a course titled "Microsoft Azure". On the left is a sidebar with navigation links: Account, Dashboard, Courses, Calendar, Inbox, and Help. The main content area has a "Home" tab selected, with sub-links for Assignments, Syllabus, and Grades. A banner image for "MEKESSON" says "Welcome to the Power of Microsoft Azure!" and is "by Nishava, Inc." and "Dr. Zoran Djordjevic, Instructor". To the right of the banner are links for "View Course Stream" and "Coming Up" (with a "View Calendar" link). Below the banner is a section titled "Weekly Course Material" containing a 3x4 grid of weekly topics and dates.

Week 1:	Week 2:	Week 3:	Week 4:
Cloud Computing 10 Oct 2017	Introduction to Python 17 Oct 2017	Visual Studio 24 Oct 2017	Compute Service 31 Oct 2017
Relational Database --Native Azure RDBMS 07 Nov 2017	Visual Studio Integration with Azure 14 Nov 2017	Networking 21 Nov 2017	RESTful Web Services 28 Nov 2017
Messaging Systems 05 Dec 2017	Storage Service 12 Dec 2017	NoSQL Solutions: Azure Cosmos DB 19 Dec 2017	Security and Identity Management 26 Dec 2017

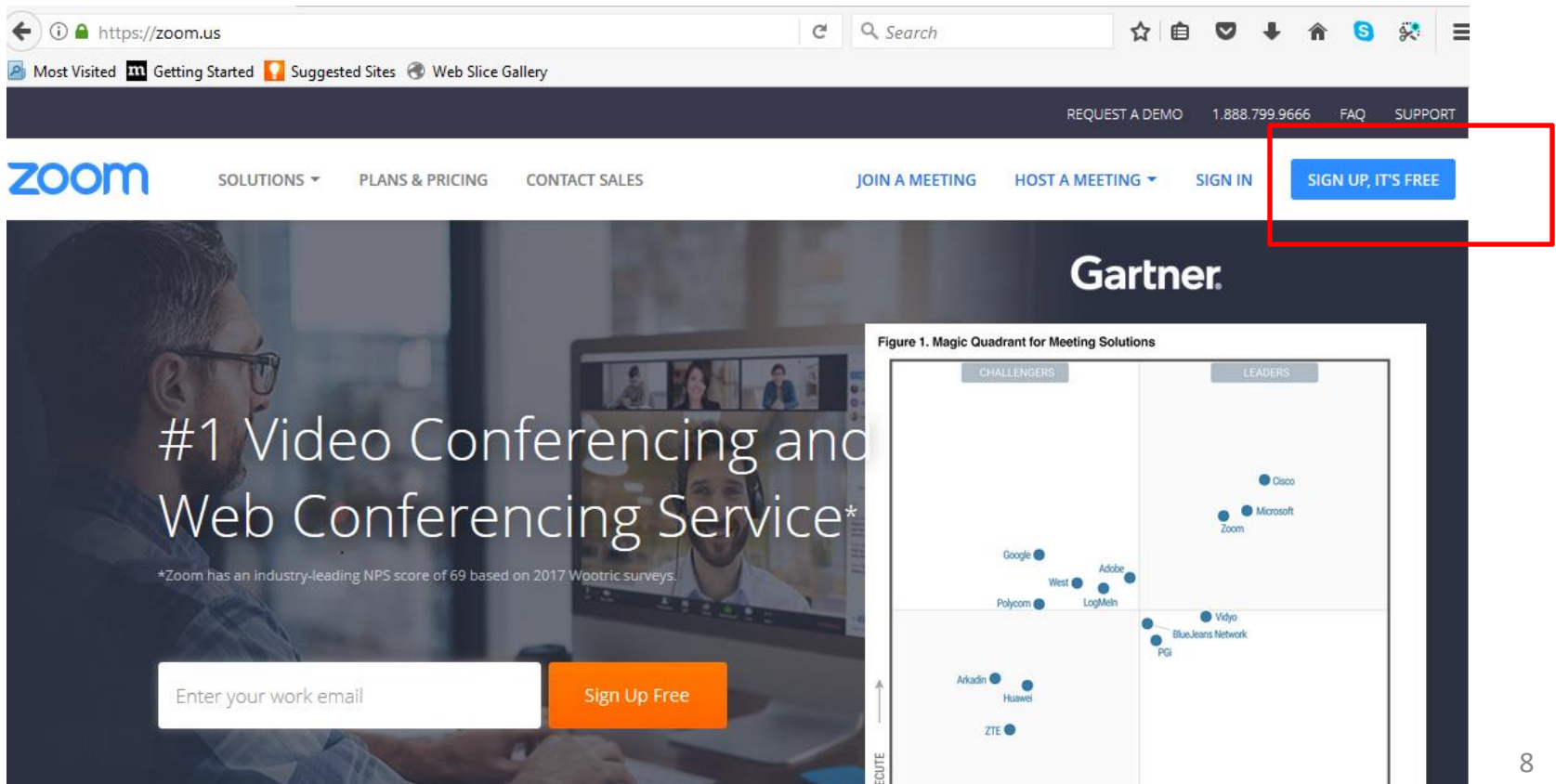
Attending Lectures

- 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>



The screenshot shows the Zoom website homepage. The browser address bar displays <https://zoom.us>. The navigation bar includes links for [REQUEST A DEMO](#), [1.888.799.9666](#), [FAQ](#), and [SUPPORT](#). The main navigation menu features [zoom](#), [SOLUTIONS](#), [PLANS & PRICING](#), [CONTACT SALES](#), [JOIN A MEETING](#), [HOST A MEETING](#), [SIGN IN](#), and a highlighted [SIGN UP, IT'S FREE](#) button. The main content area features a large banner with the text "#1 Video Conferencing and Web Conferencing Service*" and a "Sign Up Free" button. A Gartner Magic Quadrant for Meeting Solutions chart is also visible, showing Zoom in the Leaders quadrant.

Gartner

#1 Video Conferencing and Web Conferencing Service*

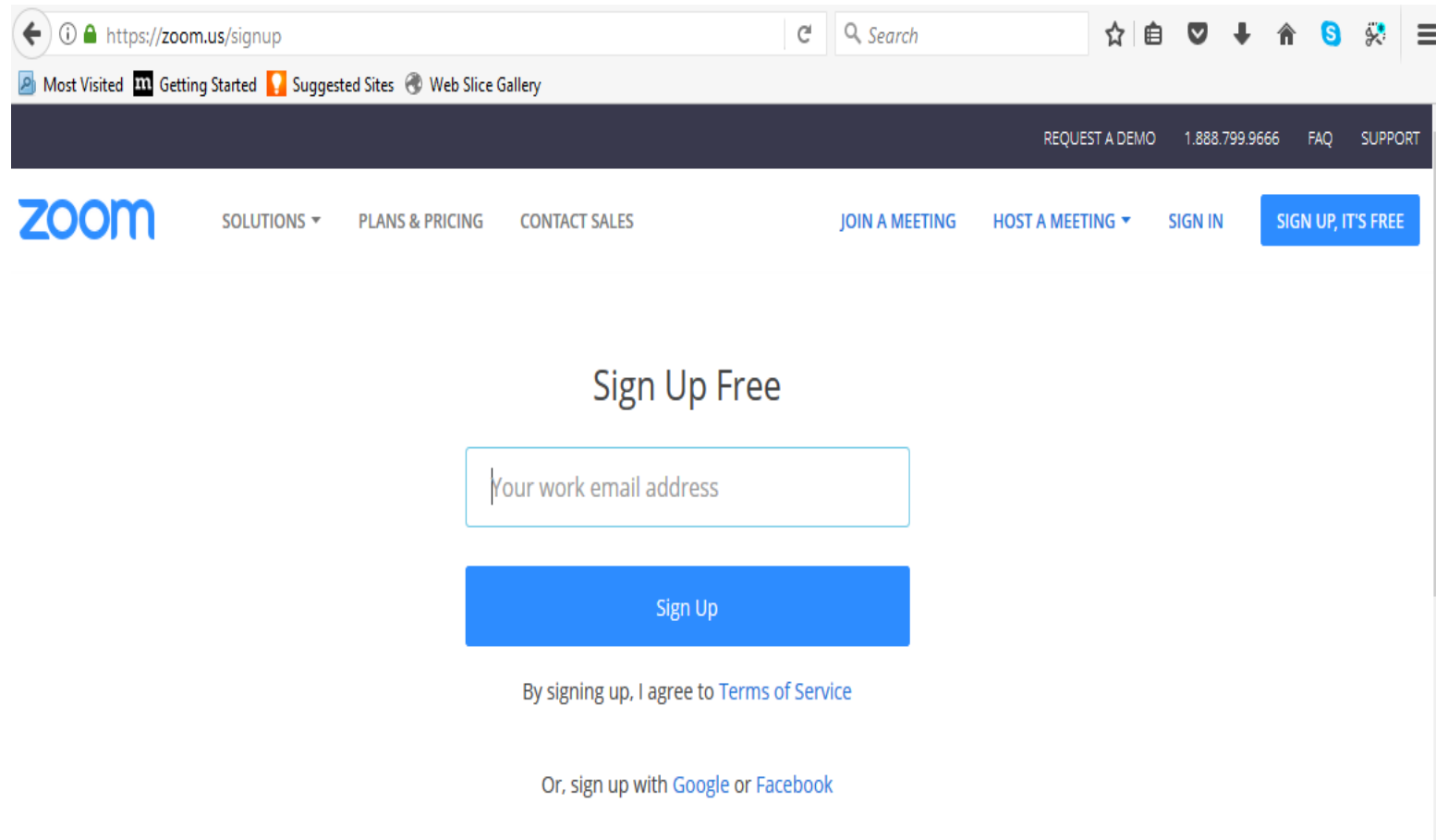
*Zoom has an industry-leading NPS score of 69 based on 2017 Wootric surveys.

Enter your work email [Sign Up Free](#)

Figure 1. Magic Quadrant for Meeting Solutions

CHALLENGERS	LEADERS
Google	Zoom
West	Microsoft
Adobe	
LogMeIn	
Polycom	
Arkadin	BlueJeans Network
Huawei	Vidyo
ZTE	PGI

Enter your work email address



The screenshot shows the Zoom website's sign-up page. At the top, a browser address bar displays 'https://zoom.us/signup'. Below the browser, a dark navigation bar contains links for 'REQUEST A DEMO', '1.888.799.9666', 'FAQ', and 'SUPPORT'. The main navigation bar includes the Zoom logo, 'SOLUTIONS', 'PLANS & PRICING', 'CONTACT SALES', 'JOIN A MEETING', 'HOST A MEETING', 'SIGN IN', and a prominent blue 'SIGN UP, IT'S FREE' button. The central content area features the heading 'Sign Up Free' above a text input field labeled 'Your work email address'. Below the input field is a large blue 'Sign Up' button. At the bottom, a line of text states 'By signing up, I agree to Terms of Service', and another line offers 'Or, sign up with Google or Facebook'.

https://zoom.us/signup

Most Visited Getting Started Suggested Sites Web Slice Gallery

REQUEST A DEMO 1.888.799.9666 FAQ SUPPORT

zoom SOLUTIONS PLANS & PRICING CONTACT SALES JOIN A MEETING HOST A MEETING SIGN IN SIGN UP, IT'S FREE

Sign Up Free

Your work email address

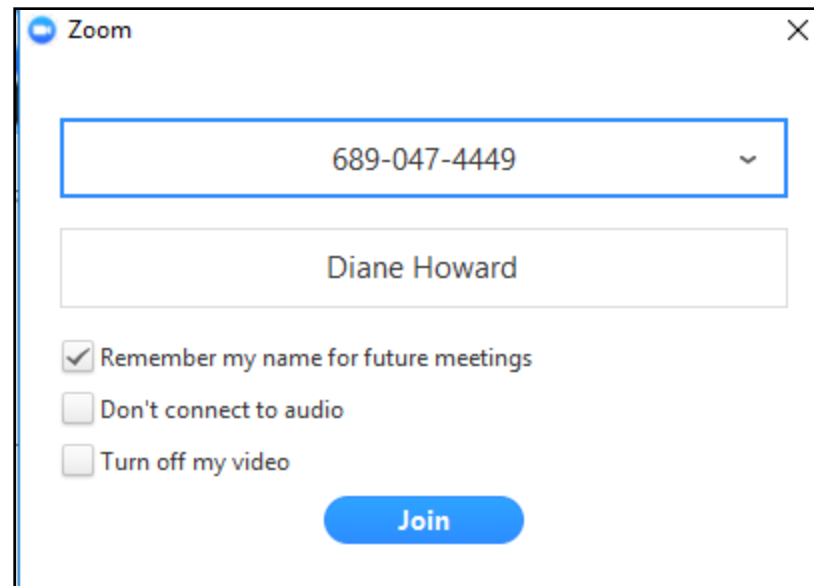
Sign Up

By signing up, I agree to [Terms of Service](#)

Or, sign up with [Google](#) or [Facebook](#)

Enter Zoom ID (use this for Lectures and Labs)

- Our Zoom ID is: 689-047-4449

A screenshot of the Zoom application window for joining a meeting. The window has a title bar with the Zoom logo and a close button. Inside, there is a dropdown menu showing the Zoom ID '689-047-4449'. Below that is a text field containing the name 'Diane Howard'. There are three checkboxes: 'Remember my name for future meetings' (checked), 'Don't connect to audio' (unchecked), and 'Turn off my video' (unchecked). At the bottom is a blue 'Join' button.

Zoom

689-047-4449

Diane Howard

☒ Remember my name for future meetings

☐ Don't connect to audio

☐ Turn off my video

Join

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

The screenshot shows the course site for 'McKesson Deep Azure'. On the left is a dark sidebar with icons and labels for 'Home', 'Account', 'Dashboard', 'Courses', 'Calendar', 'Inbox', and 'Help'. The main content area has a blue 'Home' button and links for 'Assignments', 'Syllabus', 'Grades', and 'Discussions'. Below these is a large banner with a lightning bolt background, reading 'Welcome to the Power of Microsoft Azure!' by Nishava, Inc., with Dr. Zoran Djordjevic as the instructor. To the right, there's a 'View Course Stream' button and a 'Coming Up' section showing 'Nothing for the next week'. Below the banner is a 'Weekly Course Material' section with four cards for Week 1 to Week 4. A blue arrow points to the Week 1 card.

McKesson Deep Azure

[Home](#)
[Assignments](#)
[Syllabus](#)
[Grades](#)
[Discussions](#)

McKESSON *Welcome to the Power of Microsoft Azure!*
by Nishava, Inc. **Dr. Zoran Djordjevic, Instructor**

[View Course Stream](#)

Coming Up [View Calendar](#)
Nothing for the next week

[Weekly Course Material](#)

Week 1:	Week 2:	Week 3:	Week 4:
Cloud Computing	Introduction to Python	Visual Studio	Compute Service
10 Oct 2017		24 Oct 2017	31 Oct 2017

Weekly Lectures, Video links
and Labs
& Homeworks are here

Weekly Folders

≡ NISHAVA 1227361 > Pages > Week 1

Home
Assignments
Syllabus
Grades
Discussions

Week 1

Cloud Computing

📄 Slides from Week 1

Lecture and Lab slides posted here

📺 Video Links from Week 1

Tuesday Lecture Live: <https://zoom.us/j/6890474449>

Tuesday Recorded Lecture:

Thursday Lab Live: <https://zoom.us/j/6890474449>

Thursday Recorded Lab:

Recorded Lecture and Lab videos posted here

📎 Assignment 1

Text of assignment: [McK_Assignment01.docx](#) 📎

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

📎 Showcase Solutions

Showcases:

Showcase Solutions posted after grades close & all have submitted.

Submitting Your Homework

The screenshot shows the course interface for 'McKesson Deep Azure'. A blue arrow points from a pink callout box to the 'Assignments' link in the left sidebar. The sidebar also includes links for Home, Syllabus, Grades, Discussions, Account, Dashboard, Courses, Calendar, Inbox, and Help. The main content area features a welcome banner for 'McKESSON' by Nishava, Inc., with a lightning bolt graphic and the text 'Welcome to the Power of Microsoft Azure!'. The instructor is listed as Dr. Zoran Djordjevic. Below the banner is a 'Weekly Course Material' section with four cards for Week 1 through Week 4, each with a topic and a date.

McKesson Deep Azure

Submit homeworks here.

Home

- Assignments
- Syllabus
- Grades
- Discussions

Account

Dashboard

Courses

Calendar

Inbox

Help

McKESSON

Welcome to the Power of Microsoft Azure!

by Nishava, Inc.

Dr. Zoran Djordjevic,
Instructor

Weekly Course Material

Week 1:	Week 2:	Week 3:	Week 4:
<u>Cloud Computing</u>	<u>Introduction to Python</u>	<u>Visual Studio</u>	<u>Compute Service</u>
10 Oct 2017		24 Oct 2017	31 Oct 2017

[View Course Stream](#)

Coming Up [View Calendar](#)

Nothing for the next week

Where to submit assignments

☰ NISHAVA 1227361

Home

Announcements

Assignments

Syllabus

Grades

Discussions

McKesson Deep Azure



View Course Stream

To Do

[Turn in Assignment 1](#) ×
100 points • Oct 17 at 6pm

Coming Up

[View Calendar](#)

[Assignment 1](#)
100 points • Oct 17 at 6pm

Weekly Course Material

☰ NISHAVA 1227361 > Assignments

Home

Announcements

Assignments

Syllabus

Grades

Discussions

Search for Assignment

SHOW BY DATE

SHOW BY TYPE

▼ Upcoming Assignments

Assignment 1
Available until Oct 17 | Due Oct 17 at 6pm | ~/100 pts

Assignment 2
Due Oct 28 at 11:59pm | ~/100 pts

Assignment 3
Due Nov 7 at 11:59pm | ~/100 pts

Assignment 4

Assignment 1 Submission

≡ NISHAVA 1227361 > [Assignments](#) > Assignment 1

[Home](#)

[Announcements](#)

[Assignments](#)

[Syllabus](#)

[Grades](#)

[Discussions](#)

Assignment 1

[Submit Assignment](#)



Due Oct 17 by 11:59pm **Points** 100 **Submitting** a file upload

File Types doc, pdf, and docx

Available Oct 10 at 12am - Oct 18 at 12:30am 8 days

Please upload homework solution submission as a .doc, .docx or pdf format. We don't need both pdf and doc. Always include source code, relevant screen shots, observations, and results in your homework.

Keep the problem statement in the document.

If you encounter issues with requirements or implementation details ... provide brief comments as to where you got stuck, rationale, and/or your step-wise approach to solving problem sets.

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

Assignment 1
Due: Oct 17 at 11:59pm - NISHAVA 1227361

1/290 Graded 95 / 100 (95%) Average 290/290 Student

Test Student

Assessment

Grade 95 out of 100

Assignment Comments

Excellent submission!
Problem 1: [-5] Missing showing the count of purchases.

Diane Howard, Oct 10 at 11:37pm

Add a Comment

Submit

Put your feedback here if have a question/concern about your grade.

Please avoid just commenting --Thank You.

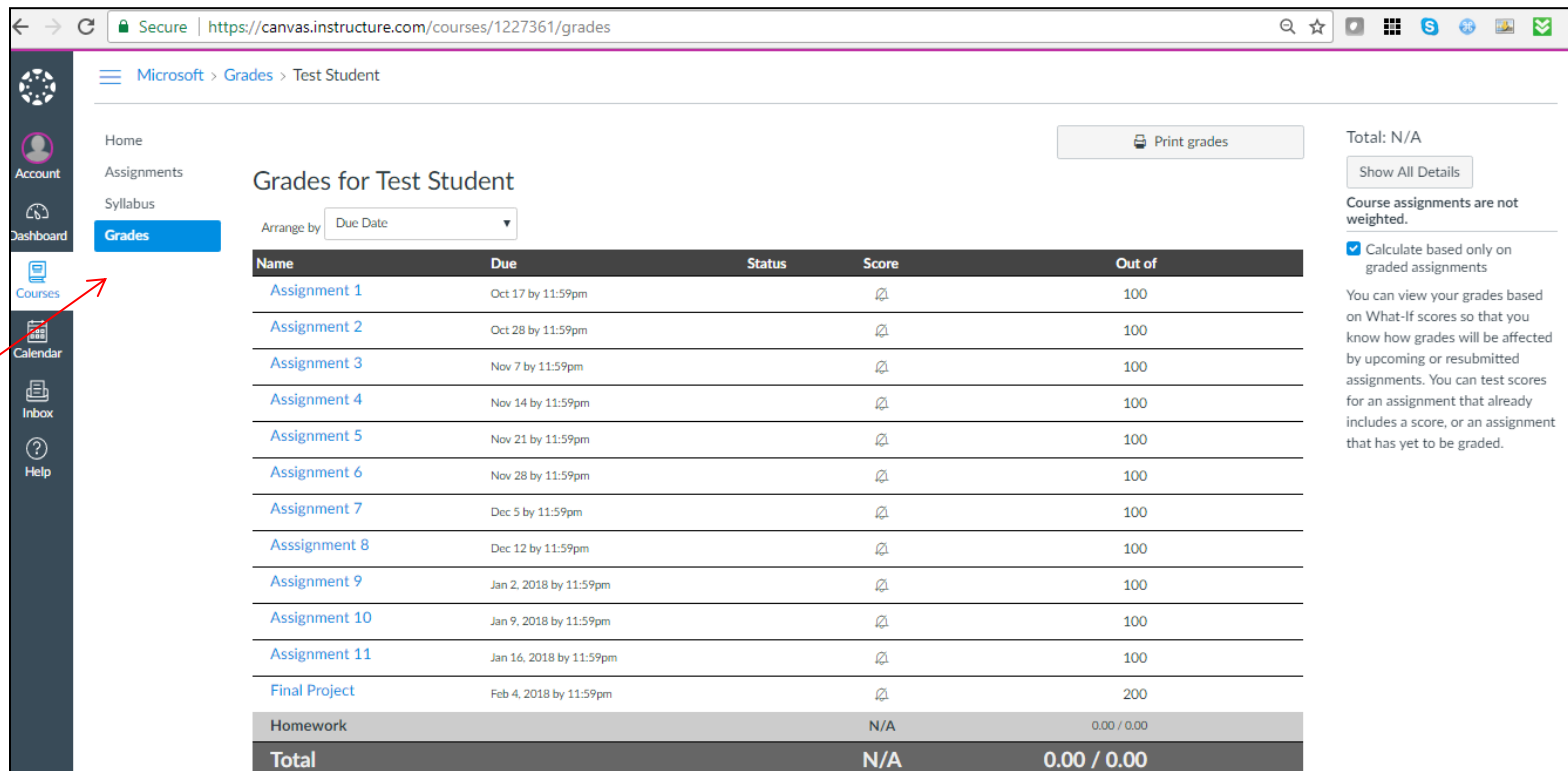
We easily miss grading comments!

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?



Secure | <https://canvas.instructure.com/courses/1227361/grades>

Microsoft > Grades > Test Student

Home
Assignments
Syllabus
Grades

Grades for Test Student

Arrange by Due Date

Print grades

Total: N/A
Show All Details

Course assignments are not weighted.

☒ Calculate based only on graded assignments

You can view your grades based on What-If scores so that you know how grades will be affected by upcoming or resubmitted assignments. You can test scores for an assignment that already includes a score, or an assignment that has yet to be graded.

Name	Due	Status	Score	Out of
Assignment 1	Oct 17 by 11:59pm			100
Assignment 2	Oct 28 by 11:59pm			100
Assignment 3	Nov 7 by 11:59pm			100
Assignment 4	Nov 14 by 11:59pm			100
Assignment 5	Nov 21 by 11:59pm			100
Assignment 6	Nov 28 by 11:59pm			100
Assignment 7	Dec 5 by 11:59pm			100
Assignment 8	Dec 12 by 11:59pm			100
Assignment 9	Jan 2, 2018 by 11:59pm			100
Assignment 10	Jan 9, 2018 by 11:59pm			100
Assignment 11	Jan 16, 2018 by 11:59pm			100
Final Project	Feb 4, 2018 by 11:59pm			200
Homework			N/A	0.00 / 0.00
Total			N/A	0.00 / 0.00

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

Weekly Folders: Use the weekly folders for each week's homework.

Your posts appear as your name or you could be anonymous. If you post as Anonymous the teaching staff does see your name but not other students.

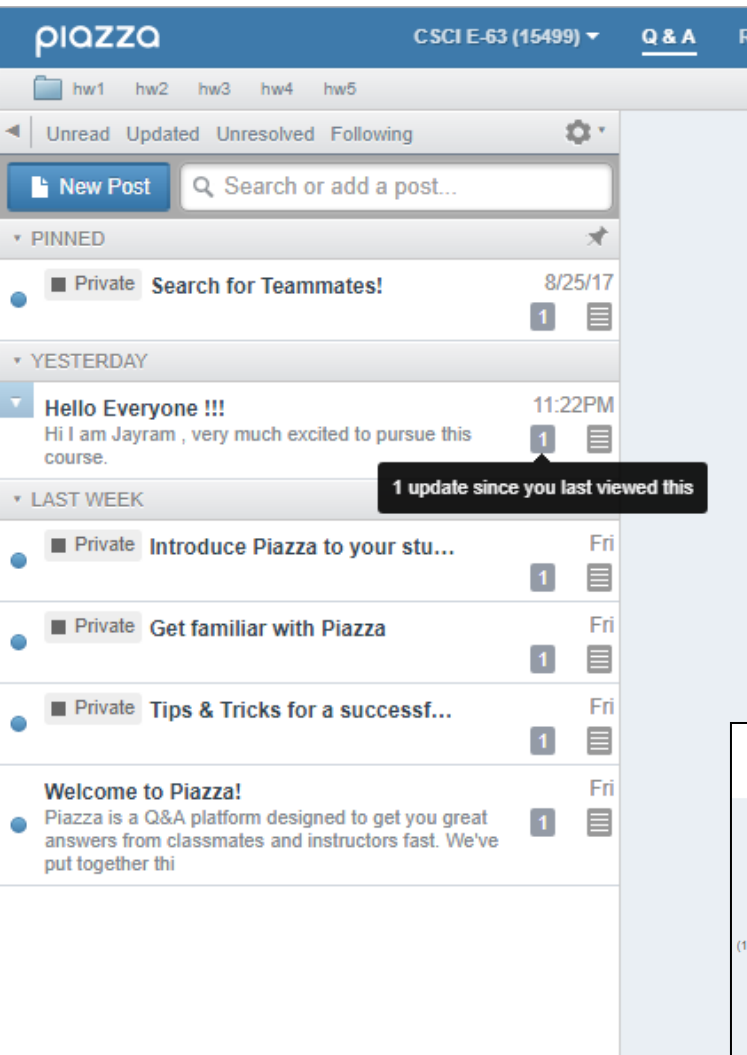
Keep posts organized by homework #, problem # and add subject. Open a new post for new issue. Please read already posted threads.

The screenshot shows the Piazza Q&A page for a course (ZN 1227361). The interface includes a top navigation bar with links for Q & A, Resources, Statistics, and Manage Class. A left sidebar displays a list of posts categorized by 'TODAY' and 'YESTERDAY'. The main content area shows a question titled 'Recorded session' with the text 'When will the recorded lesson be available?' and a 'general_questions' tag. Below the question, there is an 'edit' button and a 'good question' rating. The answer section shows 'the instructors' answer' with the text 'Usually we post the evening'. The bottom of the page displays 'Average Response Time: N/A' and 'Special Mentions: Diane Howard answered Homework due date? in 5 min. 1 hour ago'. The footer includes copyright information and links for Privacy Policy, Copyright Policy, Terms of Use, Blog, and Report Bug!.

Annotations on the screenshot:

- An arrow points from the 'Weekly Folders' text box to the 'general_questions' folder in the left sidebar.
- An arrow points from the 'Your posts appear as...' text box to the 'good question' rating area.
- An arrow points from the 'Keep posts organized...' text box to the 'the instructors' answer' section.

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:

A screenshot of the Piazza 'New Post' form. The 'Post Type' section has three radio buttons: 'Question' (selected), 'Note', and 'Poll/In-Class Response'. The 'Post to' section has two radio buttons: 'Entire Class' (selected) and 'Individual Student(s) / Instructor(s)'. The 'Select Folder(s)' section shows a list of folders: 'hw1', 'hw2', 'hw3', 'hw4', 'hw5', 'hw6', 'hw7', 'hw8', 'hw9', 'hw10', 'final_project', 'hw11', and 'generalquestions'. The 'Summary' field contains the text 'Problem 3, step 1'. The 'Details' section includes a rich text editor with a toolbar containing buttons for bold, italic, bulleted list, numbered list, link, unlink, image, video, code, and help. The text area contains the following text: 'I'm having an issue with xxx and yyy. I've enclosed a line or two of my code and my error message below. I have tried www and zzzz. Does anyone have advice?'. The page number '24' is visible in the bottom right corner.

How to Reach Teaching Staff

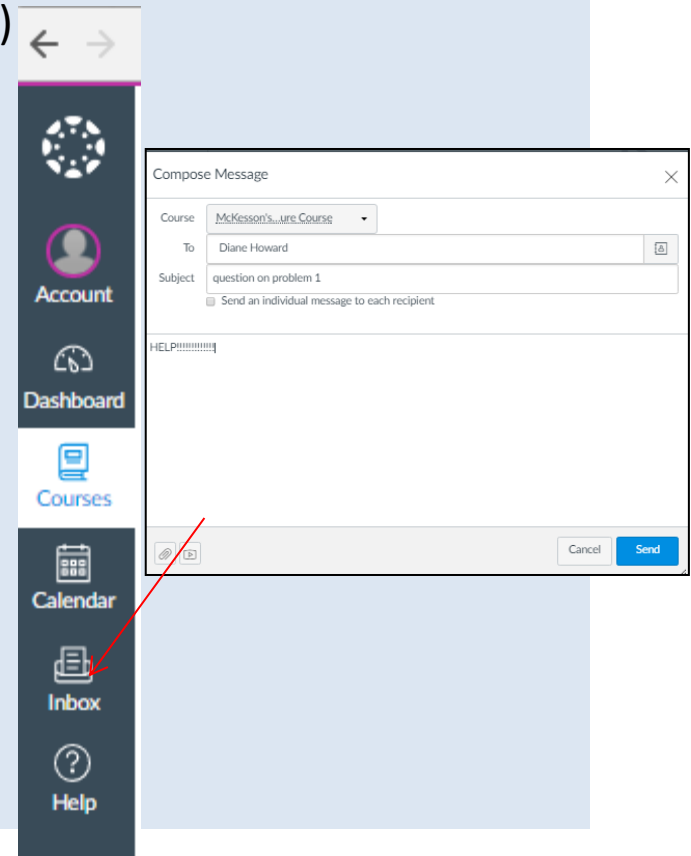
- Use Canvas Inbox for messages to teaching staff.

Instructor: Zoran Djordjevic (zdzordje@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!

