Fundamentals of Computer Networks ECE 571



Course Operations Instructor: Ming Li





D₂L

Course will be D2L driven – All necessary material will be available in the D2L platform

Syllabus and course schedule

Announcements

Video recordings and slides

Homework assignments and submissions

Textbook

Grades

Quizzes

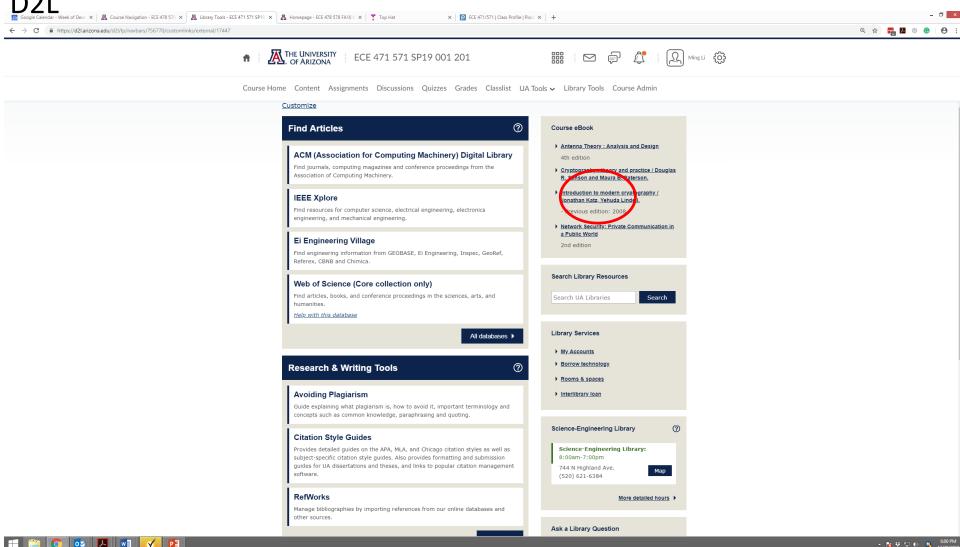
Discussions will be in Piazza

Please familiarize yourselves with the D2L and Piazza features



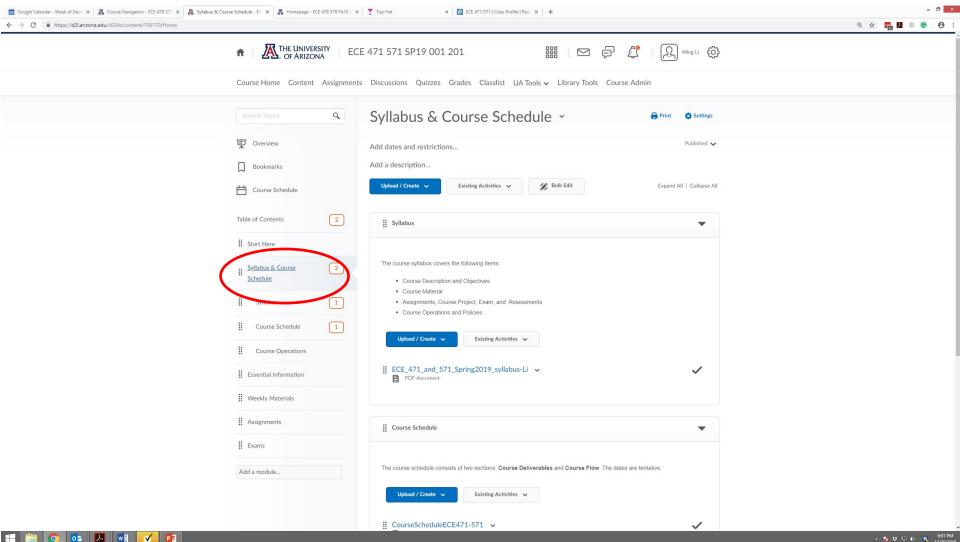
Textbook

The ebook version of the textbook and other resources are available via



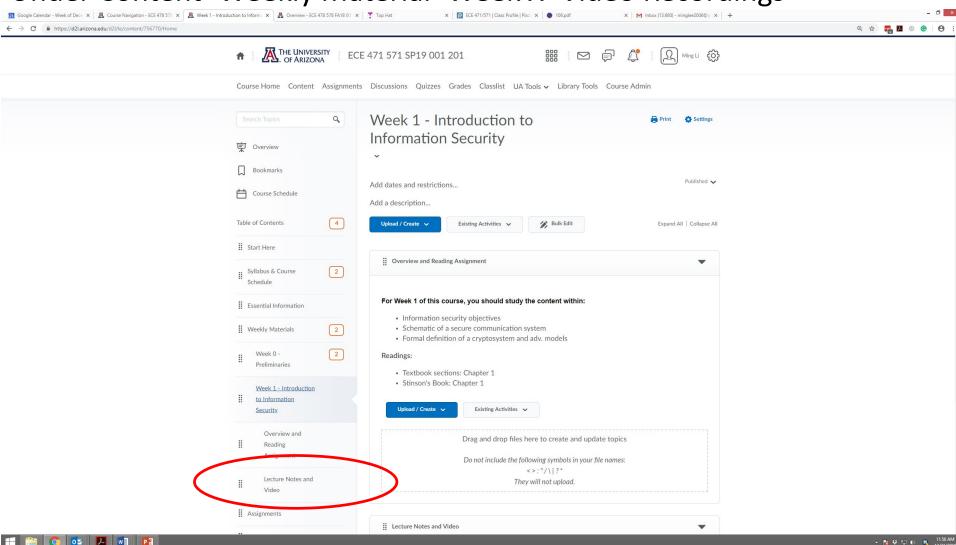
Syllabus and Course Schedule

Look under the content tab for the course syllabus and schedule



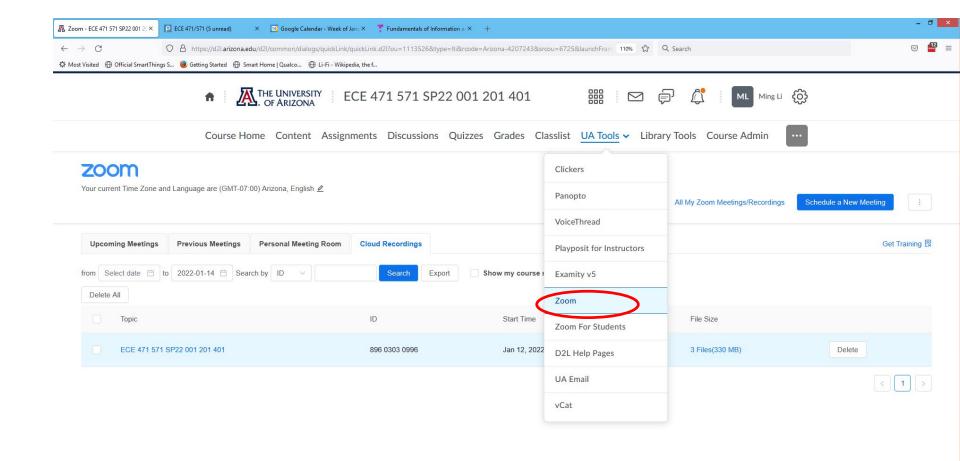
Lecture Video Recordings

Under Content>Weekly Material>Week X>Video Recordings



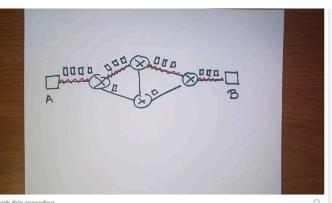
Lecture Video Recordings

Available via Zoom under UA tools:



Panopto

Once in Panopto, click on any lecture video. Your view should be like this



arch this recording undamentals of Computer Networks ECE 578 Module Overview Common Network Topologies 0:23 A device used to physically and/or logically 1:15 Switched Networks 1:50 Packet-Switched Networks 4:02 Advantages of Circuit Switching 4:48 Disadvantages of Circuit Switching 7:45 Advantages of Packet Switching Disadvantages of Packet Switching 9:22 10:11 Multiplexing 12:46 Multiplexing Methods

Advantages of Circuit Switching

Guaranteed bandwidth (Quality of Service)

Predictable bitrate and delay

Good for delay-sensitive applications

Reliable communication

Rare packet loss

Packets are delivered in order

Simple data routing

Forwarding based on time slot or frequency (multiplexing)

No need to inspect a packet header for address

Low per-packet overhead

Forwarding based on time slot or frequency

No IP (and TCP/UDP) header on each packet

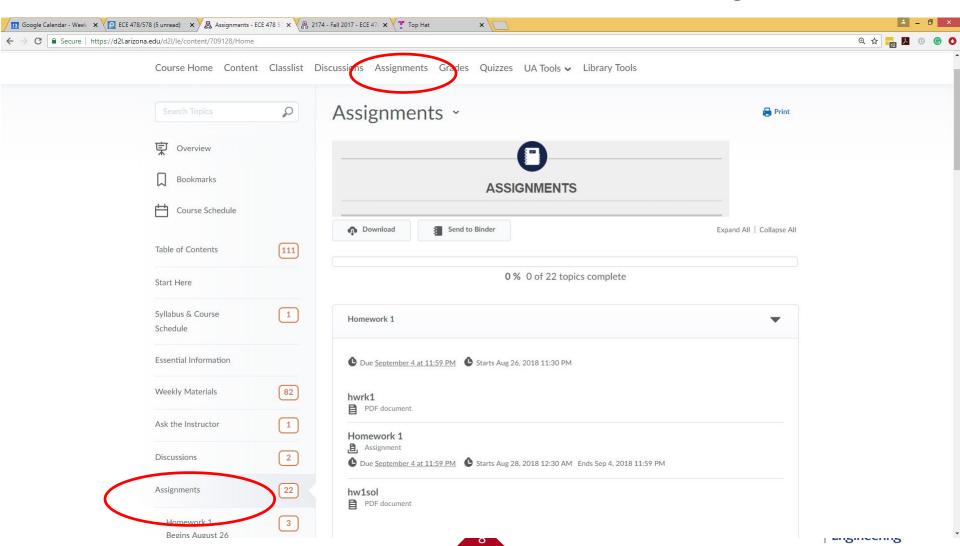






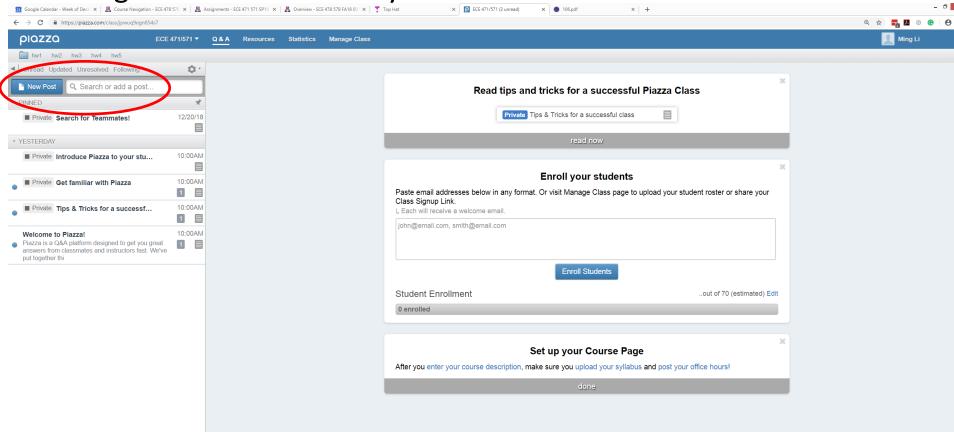
Assignments

Assignments are released according to the course schedule Look under content and in announcements for new assignments



Discussions

Discussions will be conducted via Piazza. Please register via the following link and familiarize yourself



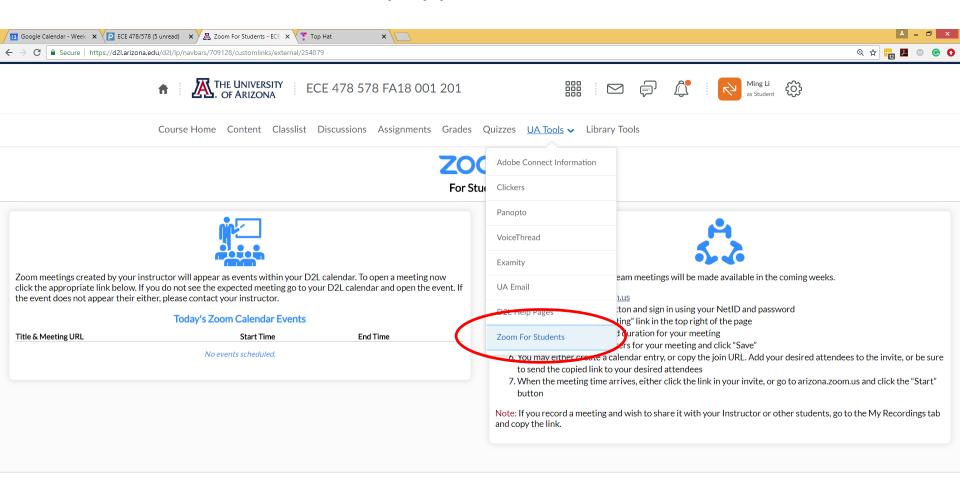
https://piazza.com/arizona/spring2019/ece471571/





Office hours

Online students: Via Zoom: by appointment



For Student Zoom support call the 24/7 IT Support Center at (520) 626-8324

For Instructor Zoom support contact Joshua Butcher at jbutcher@email.arizona.edu or the Academic Technology Team at acad-tech-support@email.arizona.edu. They will be happy to arrange a 1:1 consultation to walk through how to use Zoom with a teaching and learning focus.

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