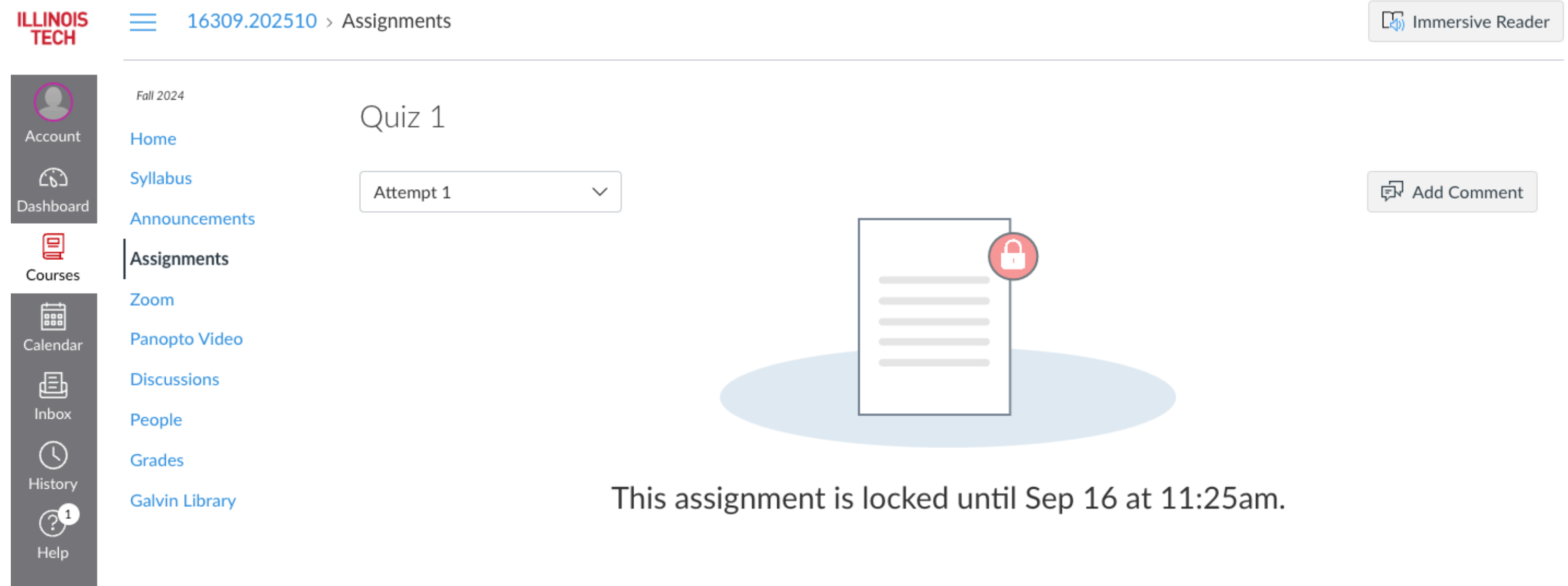


# 9/16/2024

- Quiz 3 (30 minutes)
- Biological target presentation and report
- Searching the scientific literature
  - Databases
  - Accessing articles
  - Search strategies
  - Zotero

# Quiz 1

- Go to the Canvas page and look under “Assignments” to find Quiz 1.
- Download the file
- Upload it to your shared folder on Google Drive under “Exercises”
- Work on it. Save it at the end of the quiz.



# Biochemistry-related databases

- Google/Google Scholar
- Web of Science
- PubMed
- Others: <https://guides.library.iit.edu/c.php?g=474723&p=3248565>

# Accessing articles

- Free
  - Open access - article is free online. Usually requires larger author payment
  - Many NIH-funded articles are available online after one year
  - Preprint servers, e.g. bioarXiv - free, but may not be peer reviewed
  - Sometimes available from authors on their websites or upon request
- Paywall
  - IIT subscribes to a selection of scientific journals, which can be accessed
    - in the library
    - online from campus
    - via a proxy server or VPN
  - Interlibrary loan (MyILL) can be used to request nearly any article, but requires a lead time

# Search strategies

- Consider alternative names, e.g. coronavirus main protease and 3c-like protease.
- Proteins from different species are usually similar
- Look at citations
  - cited by an article of interested
  - that cite the article of interest
- A research group will often work on similar proteins

# Zotero

- Open source and free
- Available online and as an application
- Automatically organizes manuscript files & notes
- Allows sharing with others via group libraries
- Creates bibliographies
  - linked with MS Word and Google Docs
  - exportable to BibTeX