CS 891: Scalable Microservices: Overview (Part 4)

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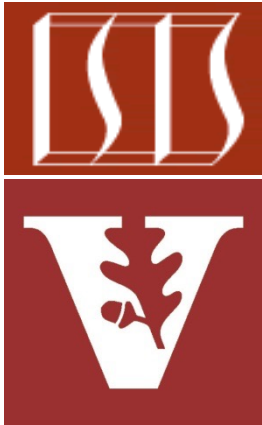
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Learning Objectives in this Lesson

- Understand the course topics & logistics

  - Course philosophy

  - Course contents

  - Structure of the lecture material

  - Overview of the assignments & assessments

  - Setting up Java & IntelliJ

  - Setting up GitLab et al.
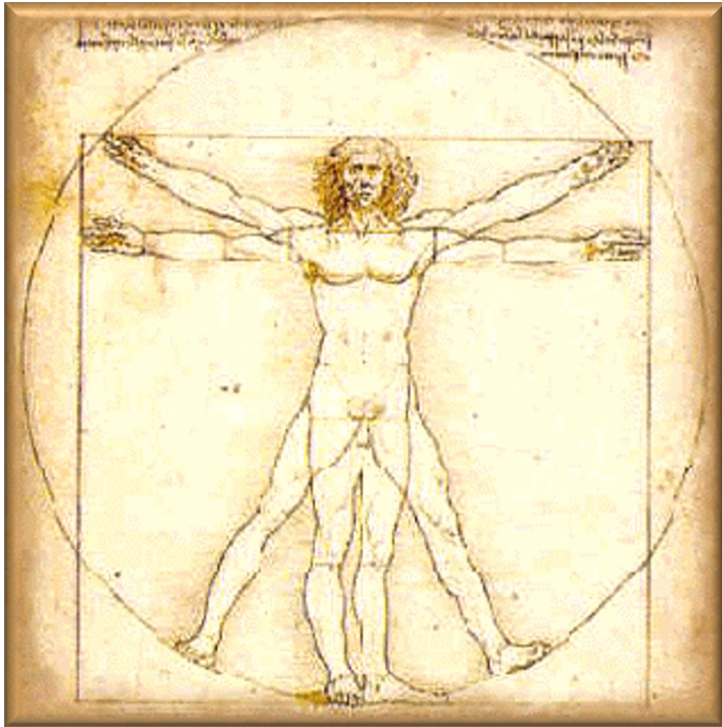
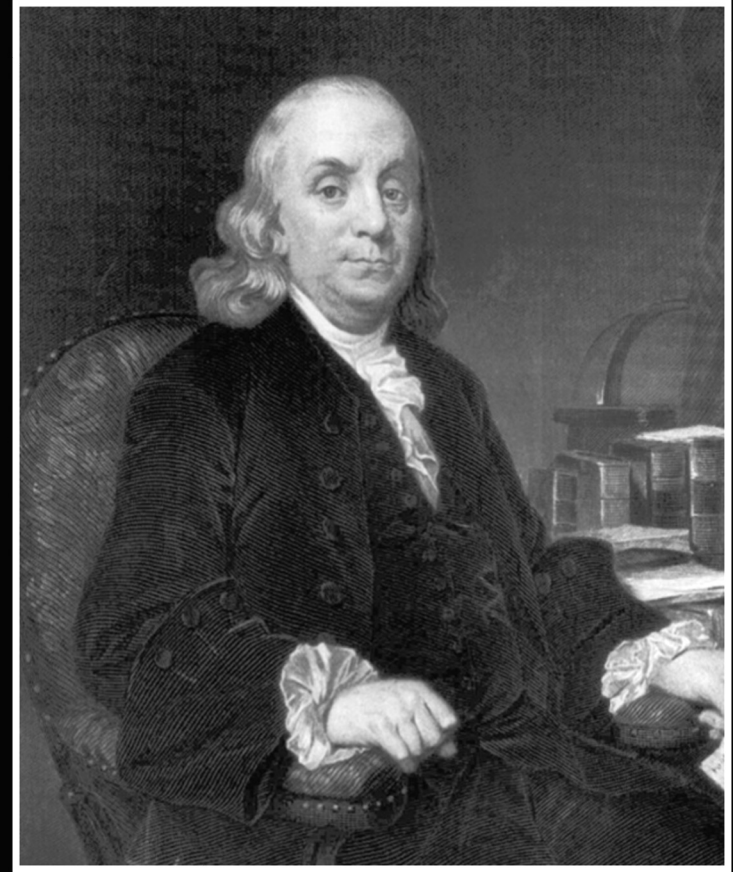 - Accessing Java 19 source code
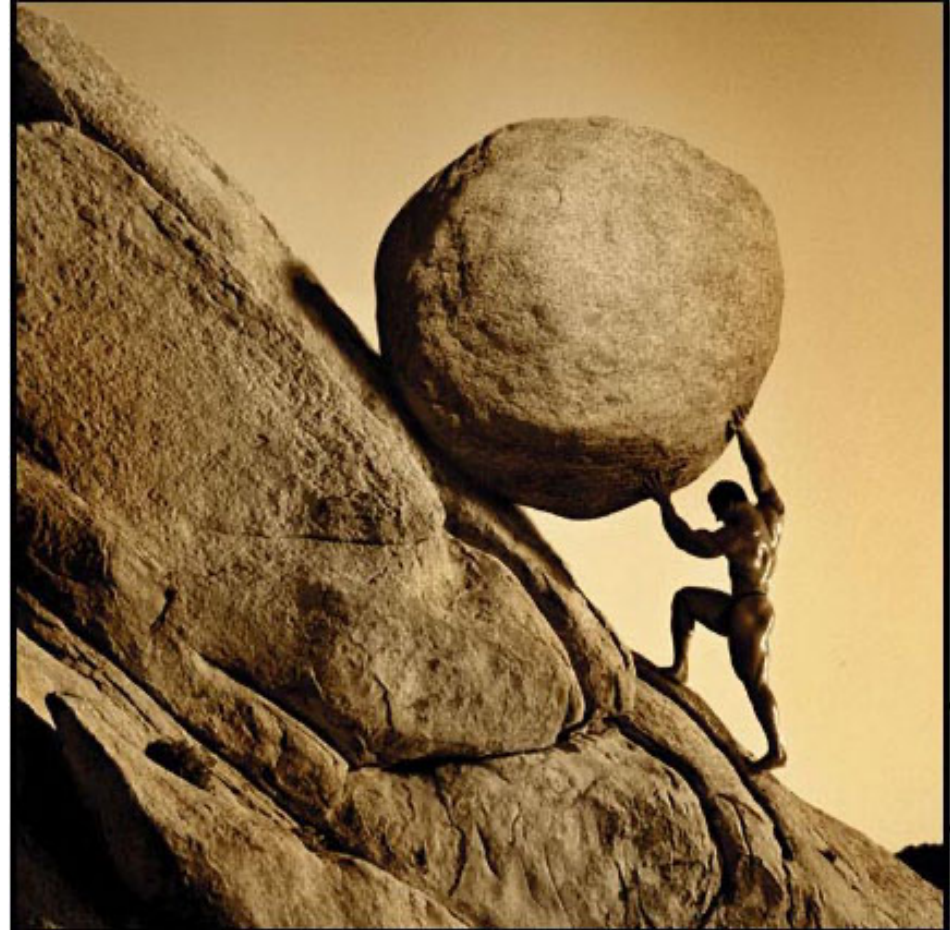
- Summary

Summary

- You will get out of this course what you put into it

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  - Be prepared to work hard

HARD WORK

"Human Felicity is produc'd not so much by great Pieces of good Fortune that seldom happen, as by little Advantages that occur every Day" - Benjamin Franklin
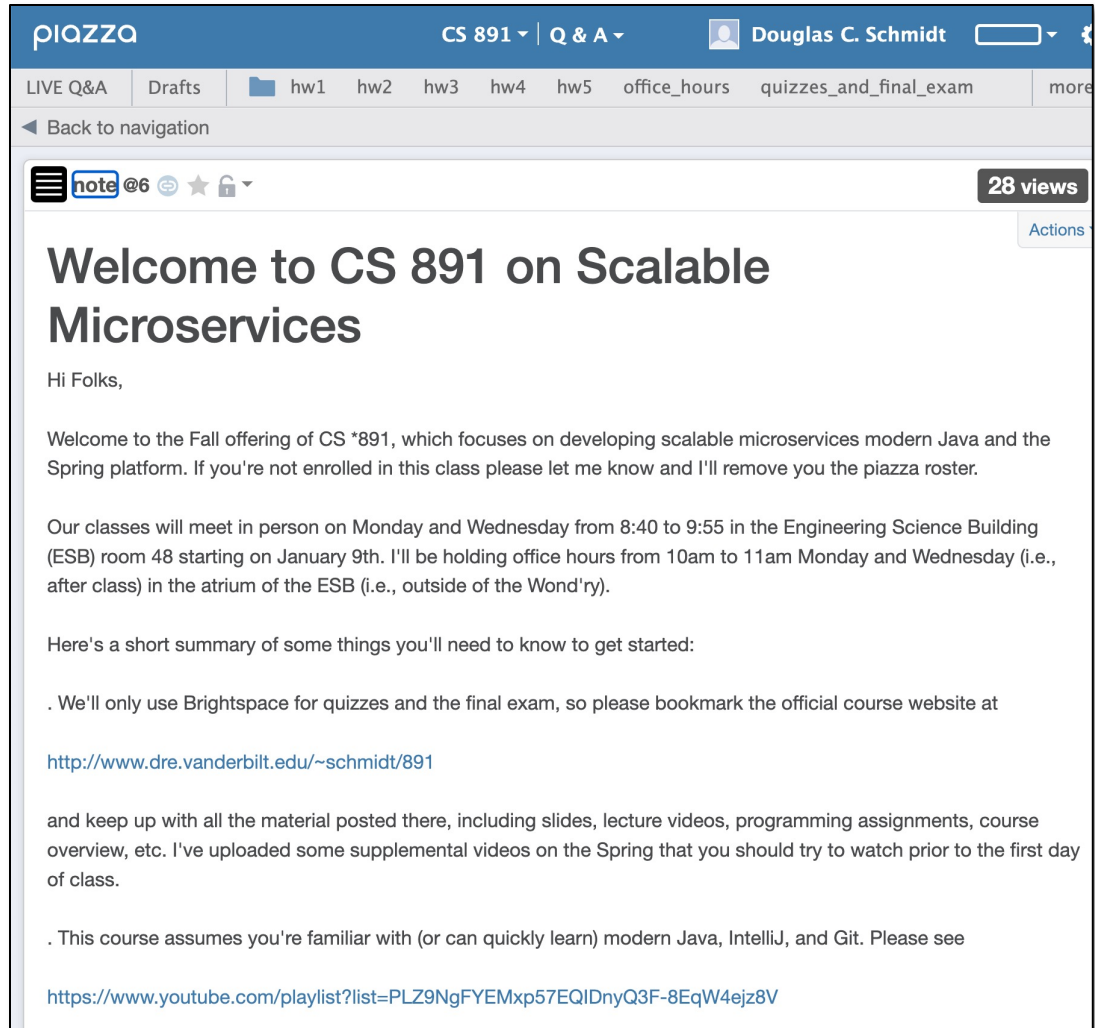
Summary

- You will get out of this course what you put into it
  - Be prepared to work hard
  - Do *not* miss deadlines…
    - & make sure to follow directions for submitting programming assignments

Summary

- You will get out of this course what you put into it
  - Be prepared to work hard
  - Do *not* miss deadlines...

- Participate in discussions in class & on piazza

See piazza.com/vanderbilt/spring2024/cs891

Summary

- You will get out of this course what you put into it
  - Be prepared to work hard
  - Do *not* miss deadlines...
- Participate in discussions in class & on piazza
  - Please get in the habit of checking piazza frequently!

Summary

- You will get out of this course what you put into it
  - Be prepared to work hard
  - Do *not* miss deadlines…
  - Participate in discussions in class & on piazza
- Avail yourself of available resources

CS 891

Office Hours

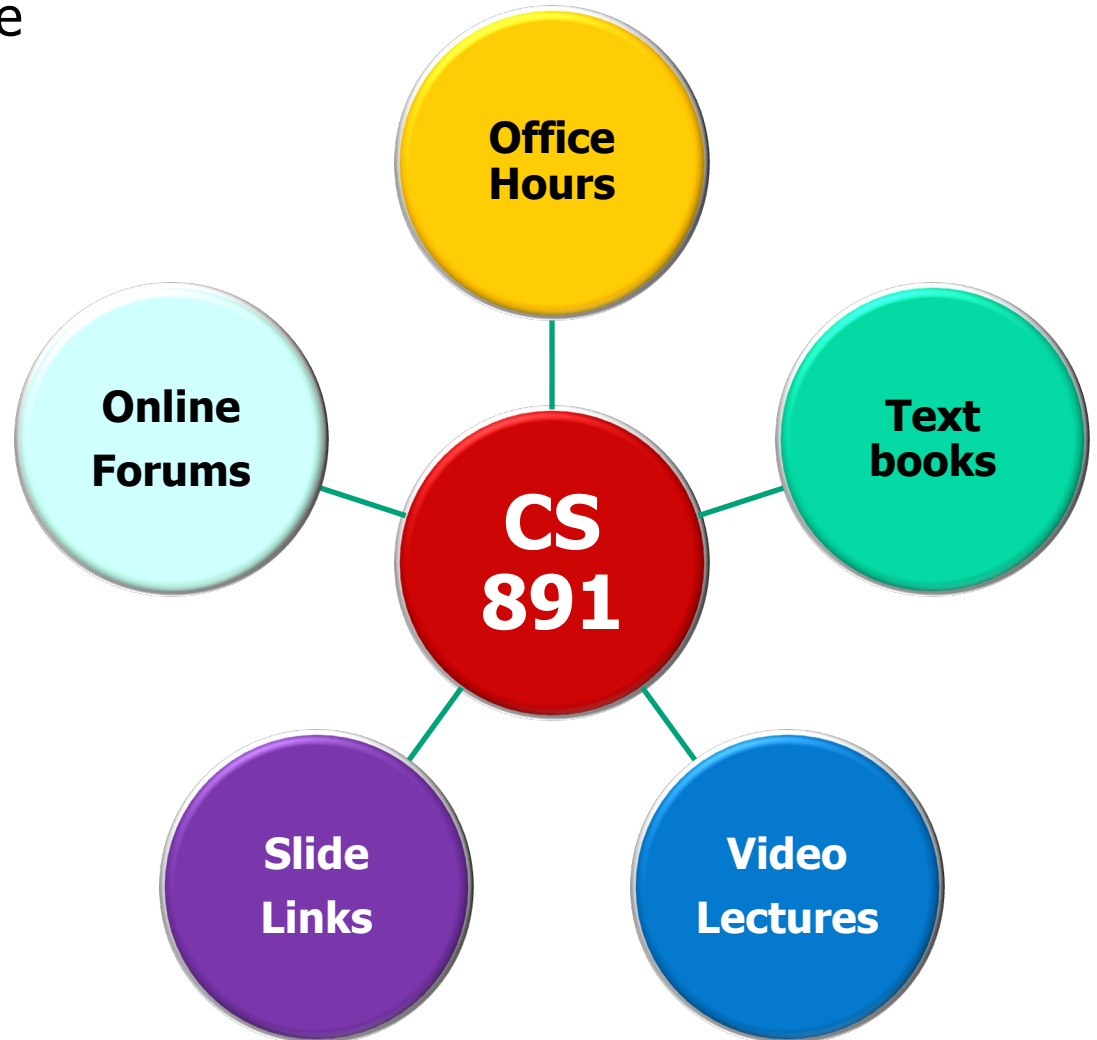Text books

Video Lectures

Slide Links

Online Forums

Summary

- You will get out of this course what you put into it
  - Be prepared to work hard
  - Do *not* miss deadlines...
  - Participate in discussions in class & on piazza
- Avail yourself of available resources
  - My website contains a lot of useful information!

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dre.vanderbilt.edu/~schmidt/cs891/

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Course Logistics

- Office Hours and Locations
- Assignment Deadlines
- Course FAQ
- Programming Assignment Process and Submission Guidelines

Course Overview

- Patterns of Learning
- Synopsis of Course Contents
- Summary of Course Work
- Textbook and Recommended Reading

Course Videos and Slides By Week

All lecture videos for this course will be available on my CS *891 YouTube playlist as they are created. I will also post links to the individual videos and PDF versions of the slides below. Please see this playlist for lecture videos covering foundational Java functional programming features and classes, including lambda expressions, method references, and functional interfaces and this playlist for lectures videos covering Spring Web platform.

- **Week 1**
  - Supplemental Lectures on Spring

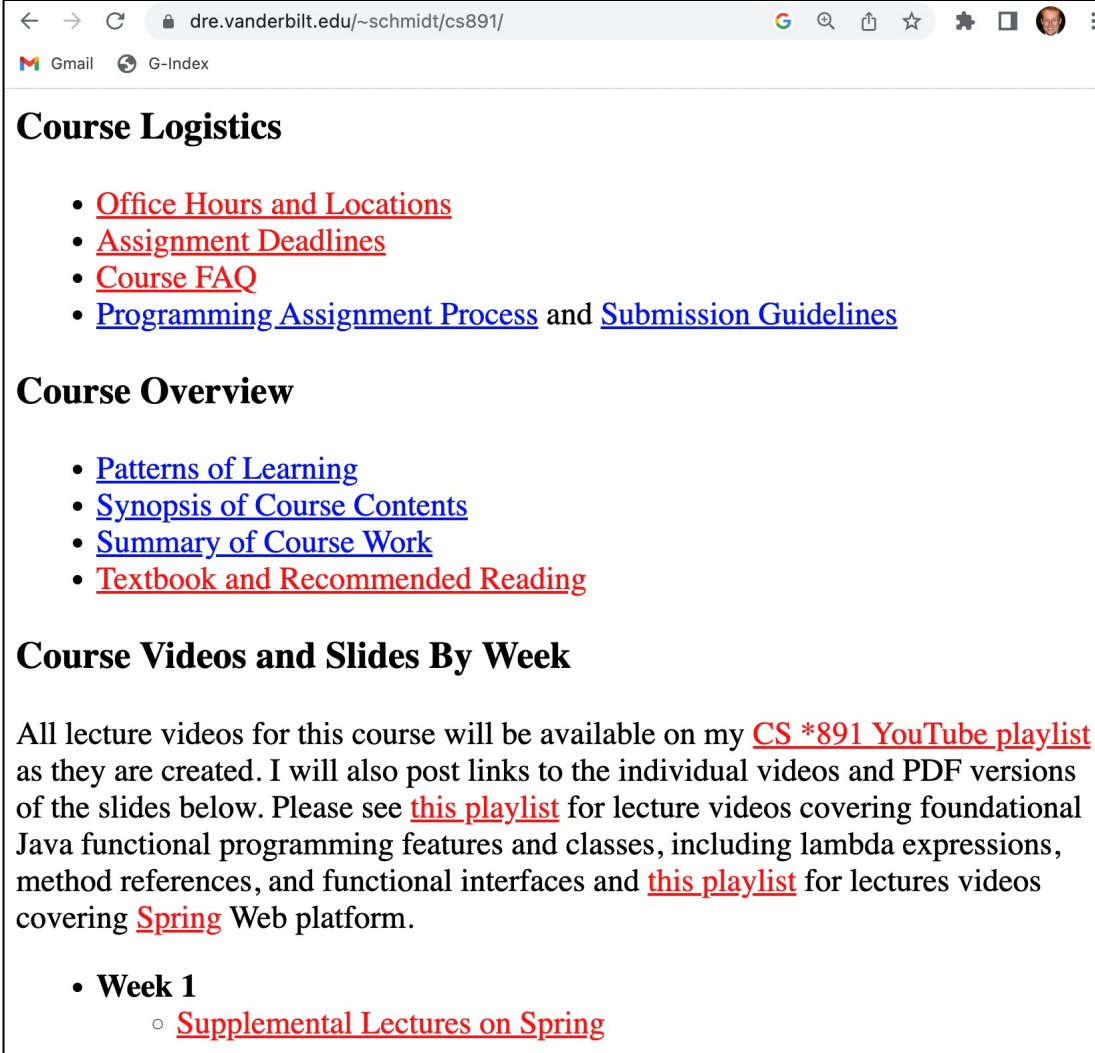
See www.dre.vanderbilt.edu/~schmidt/cs891

Summary

- You will get out of this course what you put into it

  - Be prepared to work hard

  - Do *not* miss deadlines…

  - Participate in discussions in class & on piazza

- Avail yourself of available resources

  - My website contains a lot of useful information!

  - Also check out Prof. White's supplemental videos on Spring

See www.dre.vanderbilt.edu/~schmidt/cs891/supplemental-lectures.html

Summary

- You will get out of this course what you put into it
  - Be prepared to work hard
  - Do *not* miss deadlines…
  - Participate in discussions in class & on piazza
- Avail yourself of available resources

Please resist the urge to email me (you can use private piazza posts if it's a confidential matter or you'd like to schedule a meeting)!

Summary

- There are abundant opportunities!

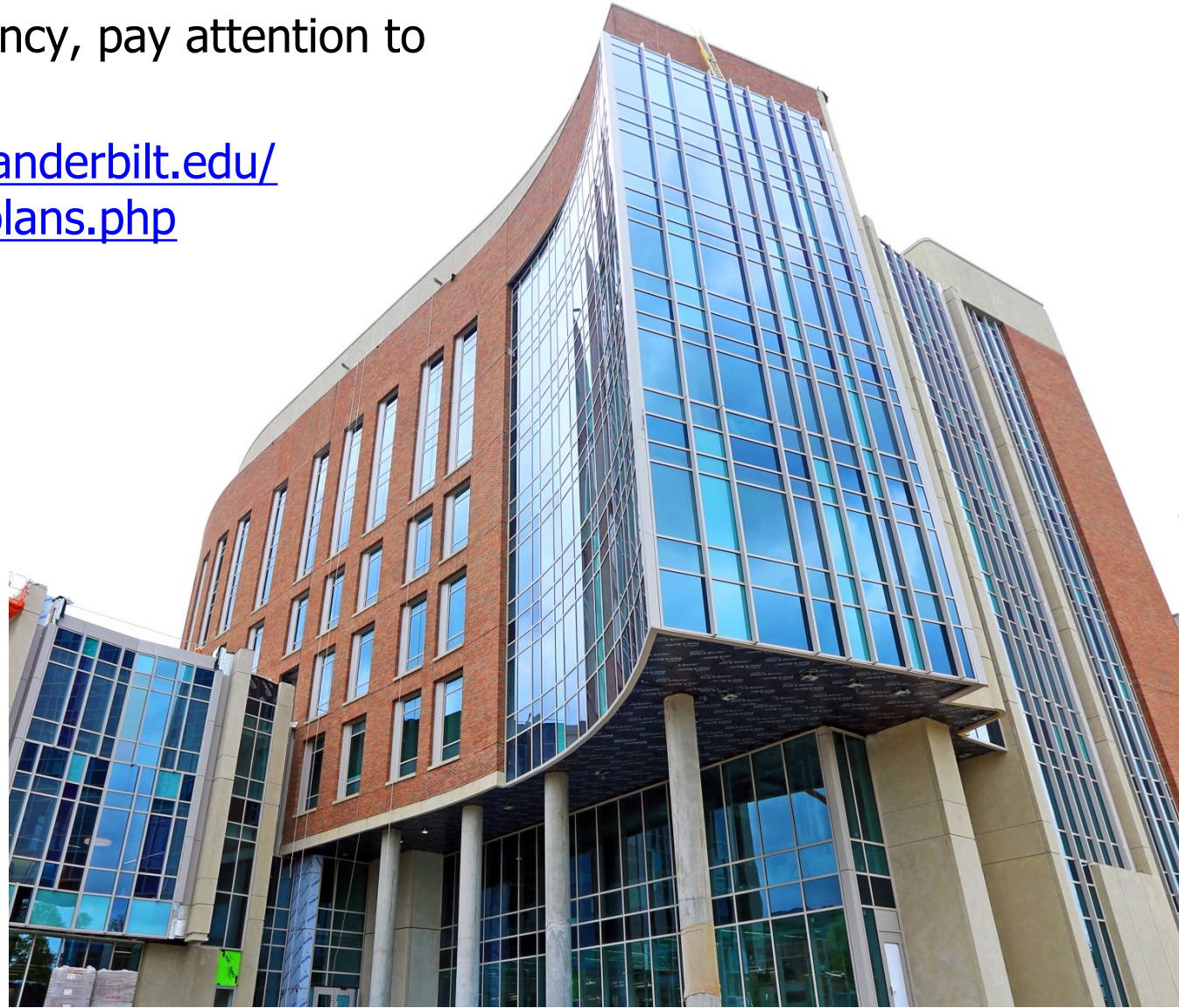FIGURE 1: AVERAGE SALARIES BY DISCIPLINE / BACHELOR'S DEGREES

BROAD CATEGORY	2023 SALARY PROJECTION	2022 SALARY PROJECTION	% CHANGE
Engineering	$74,405	$73,922	0.7%
Computer Sciences	$72,843	$75,900	-4.0%
Math & Sciences	$67,199	$66,760	0.7%
Business	$62,069	$60,695	2.3%
Social Sciences	$60,107	$61,173	-1.7%
Agriculture & Natural Resources	$59,282	$57,807	2.6%
Communications	$58,097	$55,455	4.8%
Humanities	$52,938	$50,681	4.5%

See www.naceweb.org/job-market/compensation/salary-for-class-of-2023-computer-sciences-grads-expected-to-fall-but-demand-remains-strong

Summary

- If there's an emergency, pay attention to the escape route!

  - See engineering.vanderbilt.edu/about/evacuationplans.php

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