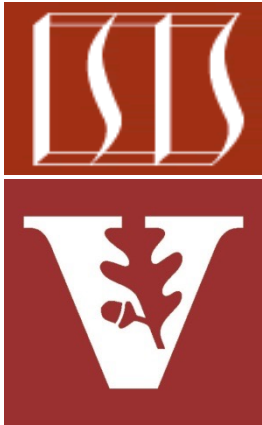


CS 891: Scalable Microservices: Overview (Part 4)

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Professor of Computer Science

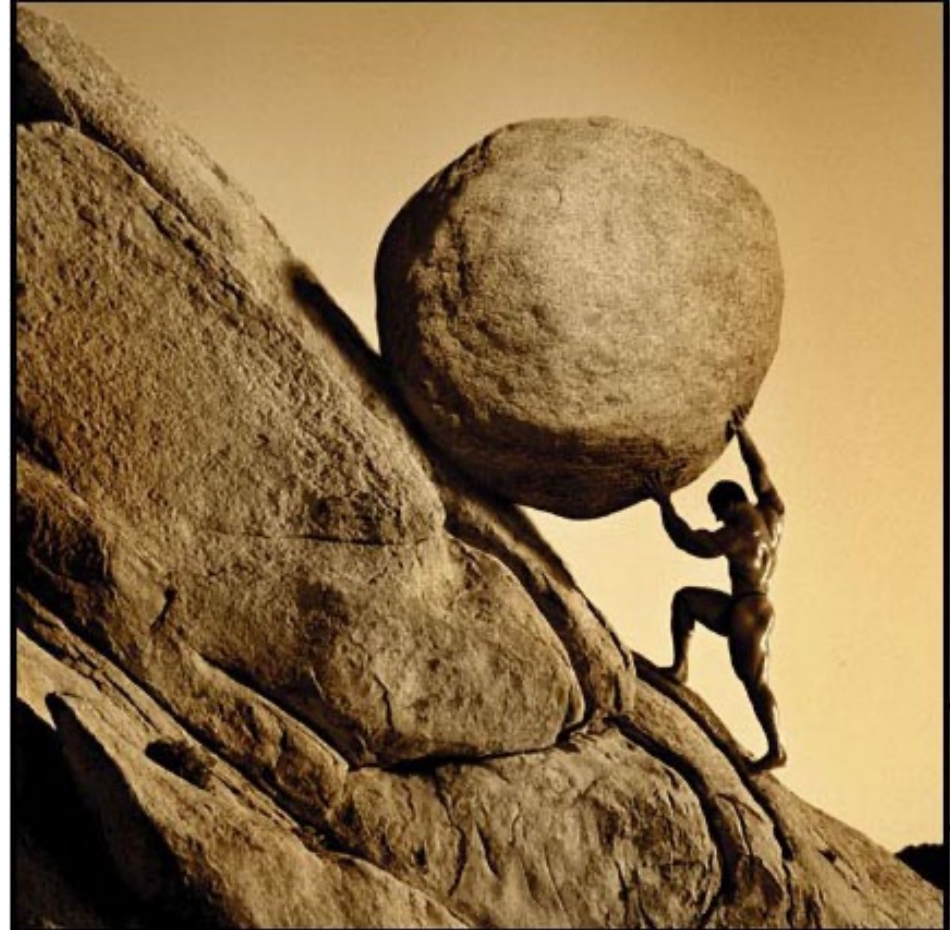
**Institute for Software
Integrated Systems**

**Vanderbilt University
Nashville, Tennessee, USA**



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

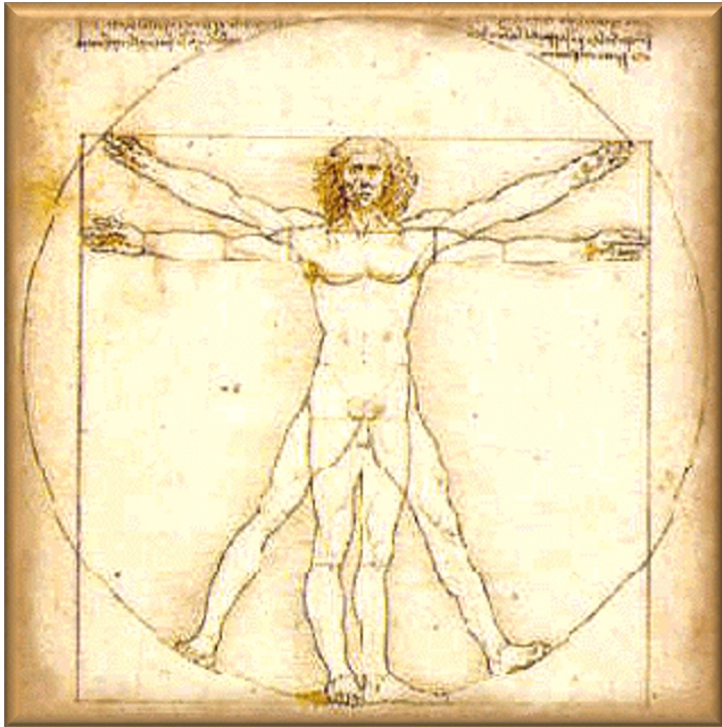


Summary



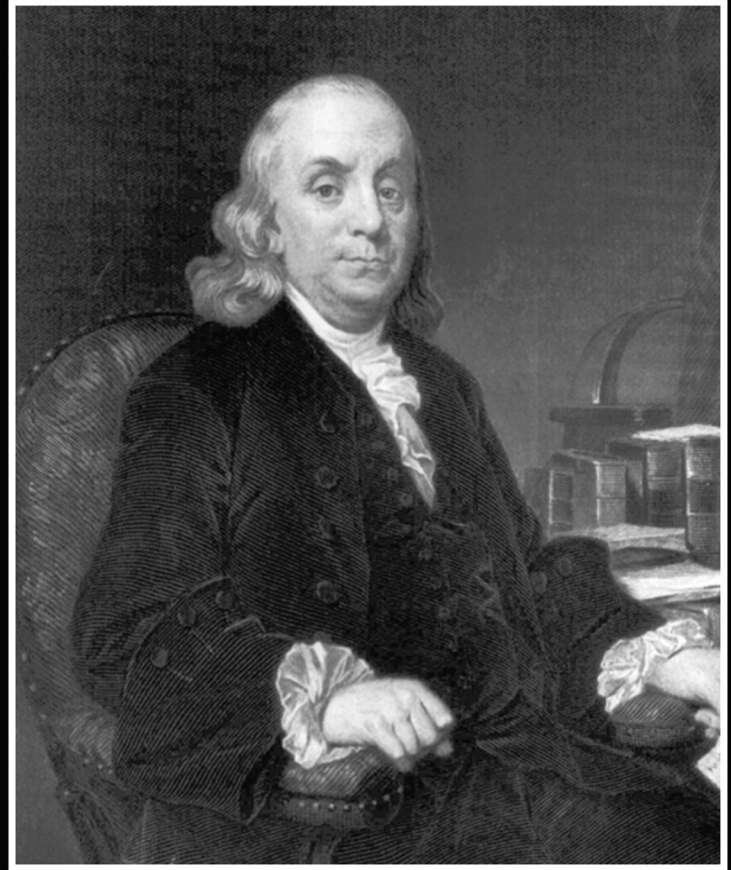
Summary

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



Summary

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

The screenshot shows a Piazza interface for CS 891. The header includes the Piazza logo, course name 'CS 891', a 'Q & A' dropdown, and the user 'Douglas C. Schmidt'. Below the header is a navigation bar with links for 'LIVE Q&A', 'Drafts', and a folder icon followed by 'hw1', 'hw2', 'hw3', 'hw4', 'hw5', 'office_hours', 'quizzes_and_final_exam', and 'more'. A 'Back to navigation' link is also present. The main content area shows a post titled 'Welcome to CS 891 on Scalable Microservices' with 28 views. The post content includes a greeting 'Hi Folks,', a welcome message to the Fall offering of CS 891, class meeting details (Monday and Wednesday 8:40-9:55 in ESB room 48), office hours (10am-11am Monday and Wednesday), a short summary of things to know, and links to the course website (<http://www.dre.vanderbilt.edu/~schmidt/891>) and a YouTube playlist (<https://www.youtube.com/playlist?list=PLZ9NgFYEMxp57EQIDnyQ3F-8EqW4ejz8V>).

See piazza.com/vanderbilt/spring2023/cs891

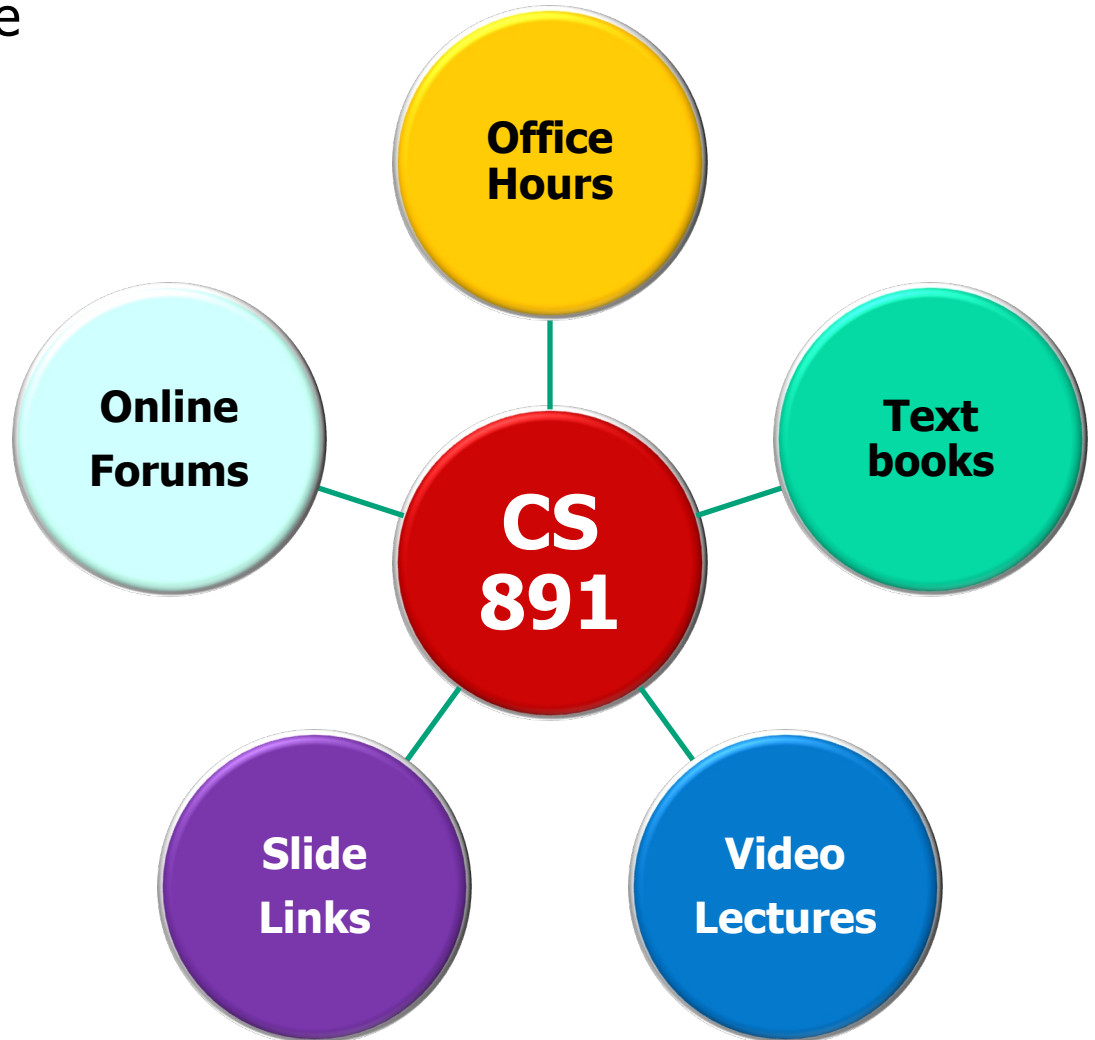
Summary

- 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!



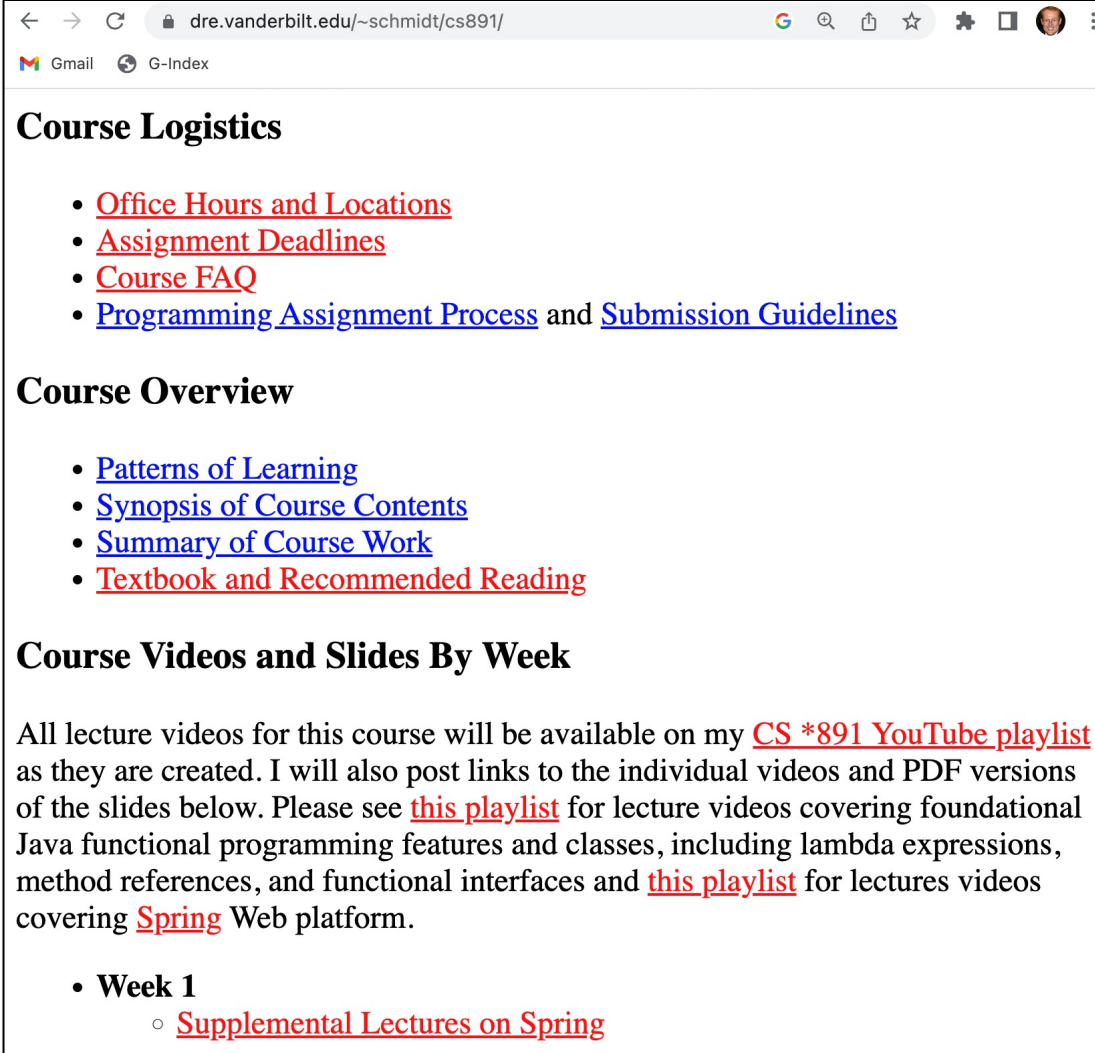
Summary

- 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



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!



The screenshot shows a web browser window with the address bar displaying `dre.vanderbilt.edu/~schmidt/cs891/`. The page content is organized into sections: **Course Logistics** with links for [Office Hours and Locations](#), [Assignment Deadlines](#), [Course FAQ](#), and [Programming Assignment Process](#) and [Submission Guidelines](#); **Course Overview** with links for [Patterns of Learning](#), [Synopsis of Course Contents](#), [Summary of Course Work](#), and [Textbook and Recommended Reading](#); and **Course Videos and Slides By Week**. A paragraph states that lecture videos will be available on the [CS *891 YouTube playlist](#) as they are created, and links to individual videos and PDF versions of slides will be posted. It also references [this playlist](#) for foundational Java functional programming features and classes, and [this playlist](#) for lectures covering the [Spring](#) Web platform. A **Week 1** section includes a link to [Supplemental Lectures on Spring](#).

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

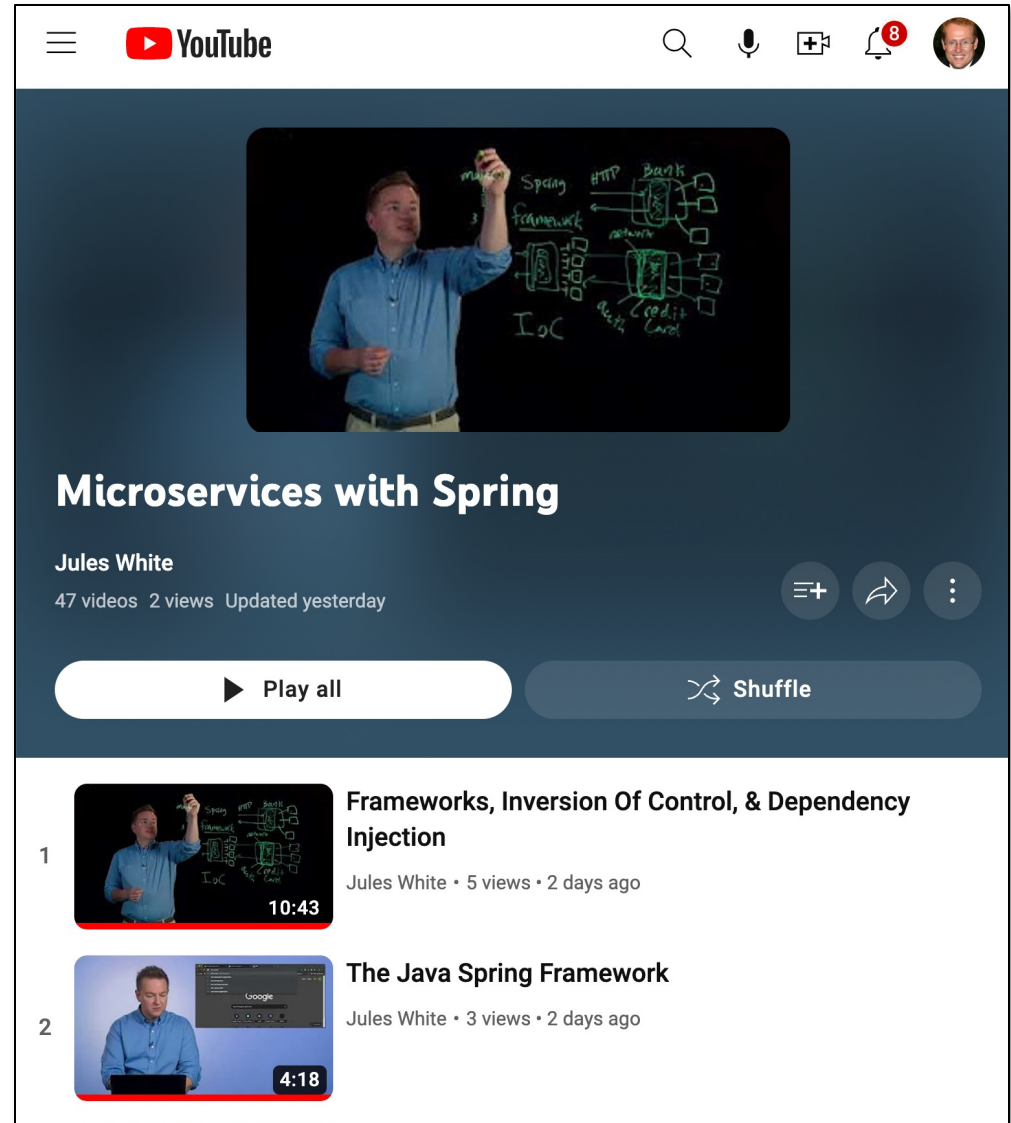
All lecture videos for this course will be available on my [CS *891 YouTube playlist](#) as they are created. I will also post links to the individual videos and PDF versions of the slides below. Please see [this playlist](#) for lecture videos covering foundational Java functional programming features 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



The image shows a screenshot of a YouTube channel page for Jules White. The channel name is "Jules White" and it has 47 videos and 2 views, updated yesterday. The main video is titled "Microservices with Spring" and shows Jules White standing in front of a whiteboard with diagrams of Spring Framework, HTTP, Bank, and Credit Card. Below the main video, there are two recommended videos: "Frameworks, Inversion Of Control, & Dependency Injection" (10:43) and "The Java Spring Framework" (4:18).

YouTube

Microservices with Spring

Jules White

47 videos 2 views Updated yesterday

Play all Shuffle

1 Frameworks, Inversion Of Control, & Dependency Injection

Jules White • 5 views • 2 days ago

2 The Java Spring Framework

Jules White • 3 views • 2 days ago

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

Summary

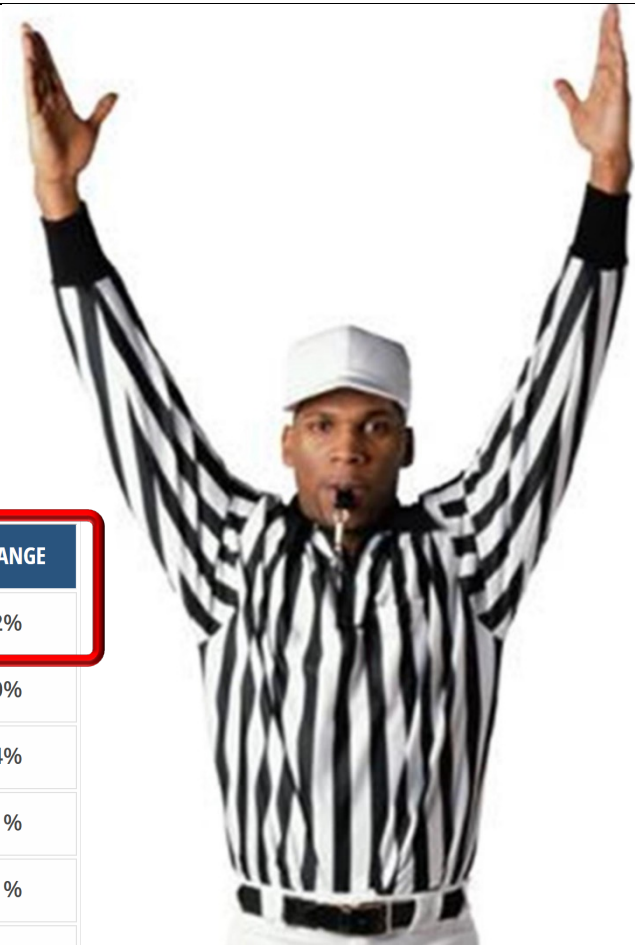
- You will get out of this course what you put into it
 - Be prepared to work hard
 - Do *not* miss deadlines...
 - Participate in discussions in class & on piazza
- Avail yourself of available resources



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!

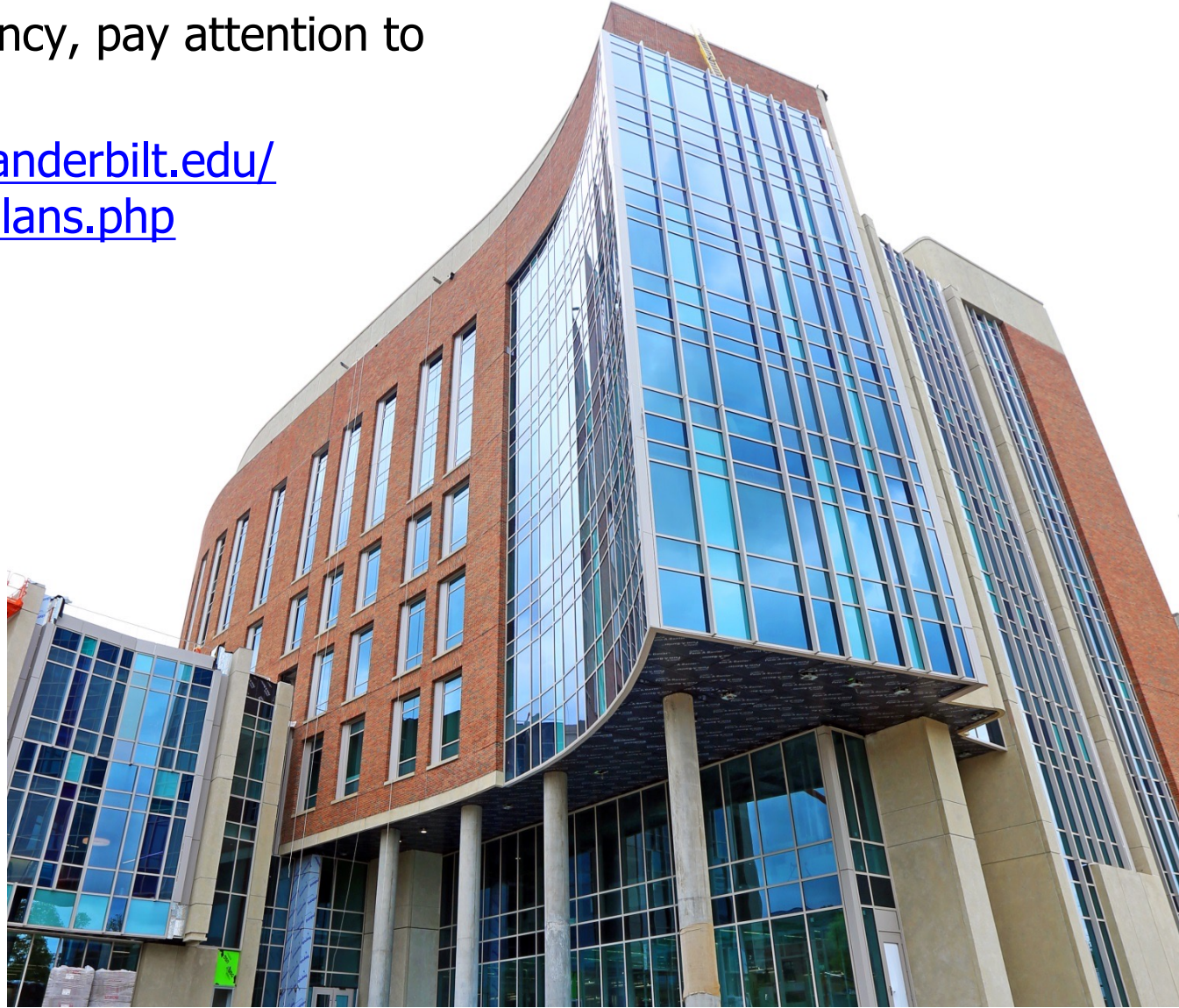


BROAD CATEGORY	2022 SALARY PROJECTION	2021 SALARY PROJECTION	% CHANGE
Computer Sciences	\$75,900	\$72,173	5.2%
Engineering	\$73,922	\$71,088	4.0%
Math & Sciences	\$66,760	\$63,316	5.4%
Social Sciences	\$61,173	\$59,919	2.1%
Business	\$60,695	\$58,869	3.1%
Agriculture & Natural Resources	\$57,807	\$54,857	5.4%
Communications	\$55,455	\$58,174	-4.7%
Humanities	\$50,681	\$59,500	-14.8%

See www.nacweb.org/about-us/press/salary-projections-for-class-of-2022-bachelors-grads-mostly-showing-gains

Summary

- If there's an emergency, pay attention to the escape route!
- See engineering.vanderbilt.edu/about/evacuationplans.php



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