

CS 891
Introduction to
Emerging Technologies
Fall 2019

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<http://www.cs.odu.edu/~jbrunelle/cs891/>

Lecture 1: Intro to CS891

CS 891
Introduction to
~~Emerging Technologies~~
Buzzwords
Fall 2019

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Lecture 1: Intro to CS891

Lecture Topics

- Course Goals and Topics
- Class Syllabus
 - Expectations
 - Policies
 - Structure
 - Grading
- Introduction to your instructor (i.e., me)

Goals and Topics

- Cover often misunderstood topics in CS:
 - Cloud Computing
 - Edge Computing; Mobile and Internet of Things
 - Machine Learning/Artificial Intelligence
 - Blockchain
 - Big Data and Data Management
 - Agile/DevOps
 - Cyber Security
- **Provide experience as a researcher and presenter**

After this class you will be able to...

- Properly read a research paper
- Properly present research
- Discuss research methodologies
- Effectively discuss and criticize research
- Be a more effective/prepared researcher

Syllabus

- To be successful...
 - Interest in applied research in CS
 - Self-starter, motivated
 - Attention to detail
- <https://www.cs.odu.edu/~jbrunelle/cs891/cs891fall2019syllabus.html>

Course Structure

- Students will select/be assigned topics/papers
 - Students may make compelling arguments to present new papers
 - Alterations will be at the discretion of the advisor
- We will meet **every other week** (see course website for schedule)
- Students will present papers
- Audience will discuss in an **engaging manner**

This is a pass-fail course...

- **...so let's all pass!**
- As a presenter:
 - Research and become proficient in the topic area
 - Read, understand, and present on the research area
 - Prepare and deliver a presentation to your classmates
 - Be prepared to field questions as if you were at a conference presenting to peers
 - Exercise professionalism and clarity in your work
- As an audience member:
 - Perform preliminary research on the topic area
 - Come to class having read the paper at least once
 - Prepare questions for each presenter & topic area
 - Be prepared to provide constructive recommendations for the presenter
 - Exercise professionalism and clarity in your work

is a pass-fail course...

**SHOW UP AND
SHOW UP ON
TIME!**

- As an audience
 - Exercise professionalism and clarity in your work
- As a presenter
 - Perform preliminary research
 - Come to class having read the paper
 - Prepare questions for each presenter
 - Be prepared to provide constructive recommendations

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Dr. Justin F. Brunelle

- <http://www.justinfb Brunelle.com/>
- BS, MS, PhD in CS from ODU
- Advisor: Dr. Michael L. Nelson
 - s/VT/ODU/
s/Electronic Music/.*/
 - ++Ford muscle cars
- Digital preservation research @ ODU
 - Web Crawling, JavaScript, Web Architecture
- Principal Researcher @ MITRE
 - Helping government adopt emerging tech
 - Specialize in data & cloud computing
 - Guiding research for a division of 500+ employees



Administrative things

- Check the course website weekly for updates and tasking
 - All materials/homework will be posted on the website
- Your homework this week:
 - Sign up for the course mailing list
 - Complete the course topic selection survey
 - Print out and review the papers (especially yours!)

More administrative things

- Office hours are scheduled **ONLY BY REQUEST**
 - Please email me as far in advance as possible
 - Alternatively, we can meet after class but only at a brewery or coffee shop



- Don't cheat!