

State University of New York Polytechnic Institute

TEL 590: Research Topics in Virtualization Summer 2015 Syllabus

Lecture: Online course delivered through the Blackboard Learning system and the class website

Class Website: <http://web.cs.sunyit.edu/~bullr/classes/TEL590-VirtTopics>

Angel Learning: <https://sunypoly.open.suny.edu/>

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Office Hours: Refer to posted office hours at: <http://web.cs.sunyit.edu/~bullr>

Textbooks: Online resources, no book
ACM Digital Library - <http://dl.acm.org/dl.cfm>
IEEE Xplore Digital Library - <http://www.ieee.org/>
USENIX - <https://www.usenix.org/>

Course Description:

A completely online course in which students will be exposed to current and past research in virtualization. The intention of this course is to take an in-depth look at the area of virtualization. This will be accomplished by reading and critiquing relevant conference and journal publications from resources such as the USENIX conference archives, the ACM digital library, and the IEEE Xplore digital library. Topics will include Virtualization Concepts, Security, Networking, Performance, and Storage.

Learning Objectives:

Having successfully completed this course students will be able to demonstrate:

- The ability to critically evaluate published research papers from professional computing and engineering conferences and journals, specifically in the area of virtualization.
- The ability to summarize and lead discussions about research papers.
- The ability to locate published research related to computer science, computer security, and engineering.
- The ability to propose extensions to current published research work in virtualization.
- The ability to propose novel research topics in the area of virtualization.
- The knowledge of professional conferences and journals where one can submit publications related to virtualization.

Grading:

Your overall grade will be out of 100% and will be based on the following criteria:

Reaction Papers: 40%. Drop boxes will be posted for reaction paper submissions. Late submissions will not be accepted and will result in a 0 grade recorded for the assignment.

Discussion Participation: 20%. All students will be expected to start at least one discussion topic related to one of the papers assigned for the week as well as respond to at least 3 other students topics that week.

Final Exam: 40%. There will be a Final exam for this class. The exam will be take home and will be fairly substantial.

Grading Scale:

- 93%-100% = A
- 90%-92.9% = A-
- 87%-89.9% = B+
- 83%-86.9% = B
- 80%-82.9% = B-
- 77%-79.9% = C+
- 70%-76.9% = C
- Below 70% = F

Academic Integrity Violation Policy:

SUNY Poly requires of students complete academic honesty in the completion of all assigned work. According to rules set forth in the Code of Academic Conduct, as detailed in the SUNY Poly Student Handbook, students will be formally notified of penalties assessed due to academic misconduct.

In this course, a first offense will result in a 0 grade for the entire assignment (quiz, exam, report, etc.) that the misconduct is associated with, and a second offense will result in a failing grade for the semester. Students supported by Graduate Assistantships will immediately lose their appointment upon a first offense.

Accommodations for Students with Disabilities:

In compliance with the Americans with Disabilities Act of 1990 and with Section 504 of the Rehabilitation Act, SUNY Polytechnic Institute is committed to ensuring educational access and accommodations for all its students with disabilities, in order to fully participate in programs and course activities or to meet course requirements. SUNY Polytechnic Institute students with documented disabilities and medical conditions are encouraged to access these services by registering with the Disability Services Office to discuss their particular needs for accommodations. For information or an appointment contact Suzanne Sprague at the Disability Services Office, located in room B101 Kunsela Hall; in person, by phone [\(315\) 792-7170](tel:3157927170), or e-mail suzanne.sprague@sunyit.edu.