

The background features abstract, overlapping green geometric shapes, primarily triangles and polygons, in various shades of green, creating a modern and dynamic visual effect.

CS 35L

Software Construction Laboratory

Introduction

Course Admin

- ▶ Instructor - Prof. Paul Eggert
 - ▶ Office - Engineering VI - Room 363
- ▶ TA - Tanmay Chinchore
 - ▶ Email - tanmayrc@g.ucla.edu
 - ▶ Class - Tuesday & Thursday - 4 to 5:50pm - Boelter Hall - 3760
 - ▶ Office Hours - 12:30 to 2:30pm on Jan 11th, 2019
 - ▶ Email Subject: “CS 35L: Query”
 - ▶ Use this as subject or append this text to subject in all communications

Syllabus

- ▶ Syllabus & detailed course information - Website <https://web.cs.ucla.edu/classes/winter19/cs35L/>
- ▶ Announcements - 'News' section of the website
- ▶ Piazza (<https://piazza.com/ucla/winter2019/cs35l/home>) for class discussions

Course Structure

- ▶ Grading:
 - ▶ Assignments - 50% (equally weighted)
 - ▶ Final Exam - 50%
- ▶ 10 assignments
 - ▶ 9 regular assignments + 1 presentation
- ▶ Final Exam
 - ▶ Open Book and Open Note
- ▶ Late Penalty
 - ▶ The late penalty for an assignment that is submitted between N and $N+1$ full days late (where N is nonnegative) is $2^N\%$ of the assignment's value.

Assignments

- ▶ Assignment 1 and 10 already released (on CCLE)
- ▶ Other Assignments are uploaded but Tentative
 - ▶ Not likely to change much
- ▶ Assignment 10 (Presentation)
 - ▶ 10 mins presentation + report
 - ▶ Start working on it early
 - ▶ Work individually (TBD)
- ▶ Assignment 8
 - ▶ Requires use of a BeagleBone Green Wireless Development Board
 - ▶ [Seeed Studio BeagleBone Green Wireless Development Board](#)
 - ▶ Requires a team mate
 - ▶ Can also purchase the larger kit
 - ▶ [Seeed Studio BeagleBone Green Wireless IOT Kit](#)

Course Outline

- ▶ Week 1: Introduction to Linux, Files and Editing
- ▶ Week 2-3: Commands and Shell Scripting
- ▶ Week 4: Patching and Python
- ▶ Week 5: C-Programming and Debugging
- ▶ Week 6: System Call Programming
- ▶ Week 7: Parallelism
- ▶ Week 8: Linking
- ▶ Week 9: SSH
- ▶ Week 10: Change Management

Additional Information

- ▶ PTE's / Change of Laboratory
 - ▶ 2 Week Policy
- ▶ SEASNET Account Creation
 - ▶ <https://www.seas.ucla.edu/acctapp/>
- ▶ SEASNET help desk for login/account issues
 - ▶ <https://www.seasnet.ucla.edu/contact/>
 - ▶ Boelter Hall 2684

Additional Information

► Lab Rules

- No Food or Drink in the Lab
- Please keep all Drinks at the table behind in the room
- Avoid using bottles in the Lab

Important Links

- ▶ Syllabus & detailed course information -
<https://web.cs.ucla.edu/classes/winter19/cs35L/>
- ▶ Piazza - <https://piazza.com/ucla/winter2019/cs35l/home>
- ▶ SEASNET Account Creation-
<https://www.seas.ucla.edu/acctapp/>
- ▶ SEASNET help desk for login/account issues -
<https://www.seasnet.ucla.edu/contact/>
- ▶ SEASNET Remote Login
 - ▶ <https://www.seasnet.ucla.edu/lxsrsv/>
- ▶ BeagleBone -
 - ▶ [Seeed Studio BeagleBone Green Wireless Development Board](#)
 - ▶ [Seeed Studio BeagleBone Green Wireless IOT Kit](#)

Questions?