Spring 2019

Ruth Anderson (rea@cs.uw.edu)

Pre-Survey Due

Welcome to CSE 351! We have put the most important links at the top, categorized by what they're for. Please check them out!

Lab0 Due HW1 Due

Info

Syllabus (syllabus#syllabus) Policies (syllabus#policies)

Lab1a Due

W VM Setup (https://www.cs.washington.edu/lab/software/linuxhomevm)

☐ Linux Tips (linux) ☐ GDB Tips (gdb) ☐ Topic Videos (videos) ☐ Exams (exams)

s (exams)

Tools

Discussion (msgboard.php)

Lab1b Due HW2 Due

Gradebook (grades.php)

One Polls (https://www.polleverywhere.com/)

Lab2 Due

Sim

☐ Cache Sim (../cachesim/) ☐ Heap Sim (http://sarangjo.github.io/cse351-heap/)

Midterm Exam HW3 Due

Mid-Survey Due

Events

Jun 16 - 18, 2019

Sun 6/16	Mon 6/17	Tue 6/18	Wed 6/19	Thu 6/20	Fri 6/21	Sat 6/22

Lab3 Due

Asking Questions, Getting Assistance, Giving Feedback

HW4 Due

It is very important to us that you succeed in CSE 351! Outside of lectures and sections, there are different ways to ask questions or discuss course issues:

(Lab4 Due

1. Visit office hours (see <u>Events</u> above)! In addition, if you need extra time or need to discuss something in private, *feel free to email and make an appointment*.

HW5 Due

2. Make a *public* post about course content on the course discussion board (msgboard.php), where they benefit the whole class. If other students can answer your question, you may receive a response more quickly than you would by emailing the course staff. This is the best way of asking questions about homework, labs, and other class-related topics. Before posting, please search through the questions that have already been posted in case someone

Lab5 Due

has already asked the same question.

(Final Exam)

3. Make a *private* post to just the course staff on the course discussion board (msgboard.php) with any questions or issues you would prefer to discuss privately. While you can email staff members individually when that makes sense, contacting the whole staff is generally preferred to get a faster response and to let the whole staff see what issues students are having. Alternatively, you

may also send email to the <u>staff email list (mailto:cse351-staff@cs.washington.edu)</u>.

4. Send anonymous feedback (feedback.php) to the course staff. The instructor will try to address the issue and share it with others only as appropriate, but will not have a way to reply to you without addressing the whole class.

Pre-Survey Due

Lab0 Due HW1 Due

Course Staff (click our faces to read our bios!)

Instructor

(Lab1a Due

Ruth Anderson (http://homes.cs.washington.edu/~rea/)



Lab1b Due HW2 Due

Office: CSE 460

E-mail: rea@cs.uw.edu (mailto:rea@cs.washington.edu)

Lab2 Due

Midterm Exam HW3 Due

Mid-Survey Due

Teaching Assistants

Gavin Cai



gcai47@uw (mailto:gcai47@uw.edu) Section AD/CD

Jack Eggleston



jegg13@uw (mailto:jegg13@uw.edu) Section AE, BD

John Feltrup



jfeltrup@uw (mailto:jfeltrup@uw.edu) Section AB/CB, BB/DB

Lab3 Due

HW4 Due

Lab4 Due

Britt Henderson



hendeb96@uw (mailto:hendeb96@uw.edu) Section BA/DA, BC/DC

Richard Jiang



rjiang98@uw (mailto:rjiang98@uw.edu) Section AB/CB

Jack Skalitzky



jskalitz@uw (mailto:jskalitz@uw.edu) Section AE

HW5 Due

Lab5 Due

Final Exam

Sophie Tian



shuxut@uw (mailto:shuxut@uw.edu) Section BA/DA

Connie Wang



zhiyunw@uw (mailto:zhiyunw@uw.edu) Section AD/CD

Sam Wolfson (http://samwolfson.com)



wolfson@uw (mailto:wolfson@uw.edu) Section AA/CA

Pre-Survey Due

Lab0 Due HW1 Due

Casey Xing



cxing@uw (mailto:cxing@uw.edu) Section AC/CC

Chin Yeoh



chinyeoh@uw (mailto:chinyeoh@uw.edu) Section AC/CC

Lab1a Due

Lab1b Due

Lab2 Due

Schedule

Binary Programming Structs

Memory & Data Integers
The Stack & Procedures
Buffer Overflows Caches

Memory Memory Allocation

Floating Point x86
Executables Arrays

Processes Virtual
Java and C

Midterm Exam
(HW3 Due
Mid-Survey Due

Day Topic Labs Homework

Lab3 Due

HW4 Due

Lab4 Due

L01 Mon, Apr Introduction, Binary

01

ink (lectures/01/CSE351-L01-binary_19sp-ink.pdf), pptx

(lectures/01/CSE351-L01-

binary_19sp.pptx), 🔁 pdf

(lectures/01/CSE351-L01-binary_19sp.pdf)

(HW5 Due

Reading: CSPP: § 1.0-1.10, 2.0-2.1.1 (p. 1-28, 31-39)

Lab5 Due

L02 Wed, Apr Memory & Data I

03

ink (lectures/02/CSE351-L02-memory-

I_19sp-ink.pdf), 📵 pptx

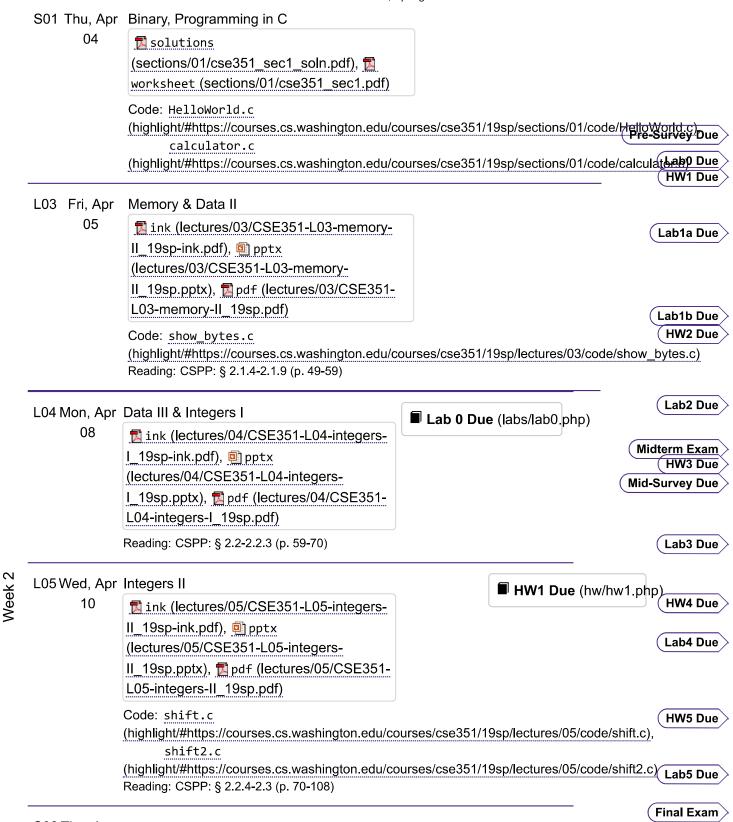
(lectures/02/CSE351-L02-memory-

I_19sp.pptx), 🔁 pdf (lectures/02/CSE351-

L02-memory-I_19sp.pdf)

Reading: CSPP: § 2.1.2-2.1.3 (p.39-48)

Final Exam (hw/pre.php)



S02 Thu, Apr

11

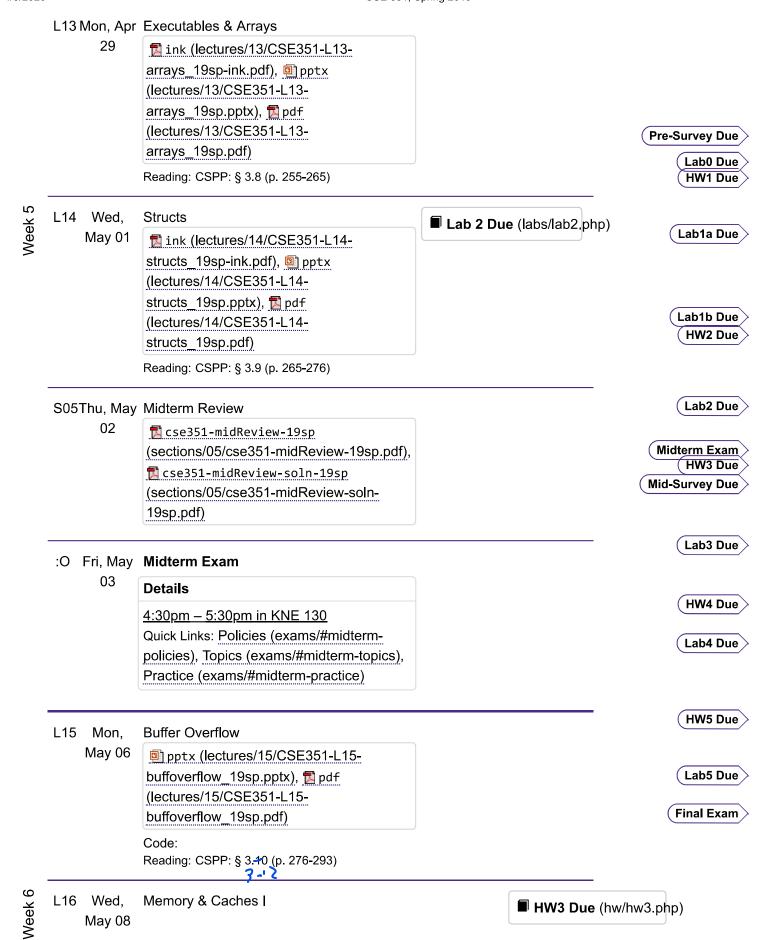
Week 3

Pointers, Bitwise Operators (sections/02/cse351_sec2_soln.pdf), worksheet (sections/02/cse351_sec2.pdf), 🔁 QuickCheck Solutions (sections/02/QuickCheck_Solutions.pdf), Pre-Survey Due 🔁 QuickCheck Lab0 Due (sections/02/QuickCheck.pdf) HW1 Due L06 Fri, Apr Floating Point I Lab1a Due 12 ink (lectures/06/CSE351-L06-fp-I_19sp-ink.pdf), 🗐 pptx (lectures/06/CSE351-L06-fp-I_19sp.pptx), pdf (lectures/06/CSE351-L06-fp-Lab1b Due I_19sp.pdf) HW2 Due Reading: CSPP: § 2.4-2.4.3 (p. 108-119) L07 Mon, Apr Floating Point II & x86-64 Intro Lab1a Due (labs/lab1a.php) Lab2 Due ink (lectures/07/CSE351-L07-fp-II 19sp-ink.pdf), pptx (lectures/07/CSE351-L07-fp-II 19sp.pptx), Midterm Exam HW3 Due pdf (lectures/07/CSE351-L07-fp-Mid-Survey Due II 19sp.pdf) Code: float.c (highlight/#https://courses.cs.washington.edu/courses/cse351/19sp/lectures/07/code/float.c) Lab3 Due Reading: CSPP: § 2.4.4-2.5, 3.2-3.4 (p. 120-127, 169-191) **HW4 Due** L08 Wed, Apr x86 Programming I ink (lectures/08/CSE351-L08-asm-Lab4 Due I 19sp-ink.pdf), 🗐 pptx (lectures/08/CSE351-L08-asm-I_19sp.pptx), 1 pdf (lectures/08/CSE351-L08-asm-I 19sp.pdf) HW5 Due Code: swap (web) (lectures/08/code/swap.php) Lab5 Due Reading: CSPP: § 3.5 (p. 191-199) **Final Exam** S03 Thu, Apr Integers, Floating Point 18 | solutions (sections/03/cse351 sec3 soln.pdf), 7 worksheet (sections/03/cse351 sec3.pdf) L09 Fri, Apr

https://courses.cs.washington.edu/courses/cse351/19sp/

19

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x86 Programming II
 ink (lectures/09/CSE351-L09-asm-
II_19sp-ink.pdf), 🗐 pptx
(lectures/09/CSE351-L09-asm-
II_19sp.pptx), 1 pdf (lectures/09/CSE351-
L09-asm-II_19sp.pdf)
                                                                                            Pre-Survey Due
Reading: CSPP: § 3.6.0-3.6.5 (p. 200-213)
                                                                                                 Lab0 Due
                                                                                                 HW1 Due
L10 Mon, Apr x86 Programming III
                                                          Lab 1b Due (labs/lab1b.php)
       22
              ink (lectures/10/CSE351-L10-asm-
                                                                                                Lab1a Due
              III_19sp-ink.pdf), 📵 pptx
              (lectures/10/CSE351-L10-asm-
              III_19sp.pptx), 🔁 pdf
              (lectures/10/CSE351-L10-asm-
                                                                                                Lab1b Due
              III_19sp.pdf)
                                                                                                 HW2 Due
              Code: mov.s
              (highlight/#https://courses.cs.washington.edu/courses/cse351/19sp/lectures/10/code/mov.s),
                    mov_demo.txt
              (lectures/10/code/mov_demo.txt),
                                                                                                 Lab2 Due
              mov tui demo.txt
              (lectures/10/code/mov tui demo.txt),
                                                                                             Midterm Exam
                    switch ex (web)
                                                                                                HW3 Due
              (lectures/10/code/switch ex.php)
                                                                                           Mid-Survey Due
              Reading: CSPP: § 3.6.7-3.6.8 (p. 220-238)
L11 Wed, Apr The Stack & Procedures
                                                                       HW2 Due (hw/hw2.php) Lab3 Due
       24
              ink (lectures/11/CSE351-L11-
              procedures-I 19sp-ink.pdf), in pptx
              (lectures/11/CSE351-L11-procedures-
                                                                                                 HW4 Due
              I_19sp.pptx), 1 pdf (lectures/11/CSE351-
              L11-procedures-I 19sp.pdf)
                                                                                                 Lab4 Due
              Reading: CSPP: § 3.7.0-3.7.3 (p. 238-248)
S04 Thu, Apr x86 Assembly, GDB
                                                                                                 HW5 Due
       25
              (sections/04/cse351 sec4 soln.pdf),
              worksheet (sections/04/cse351 sec4.pdf)
                                                                                                 Lab5 Due
                                                                                                Final Exam
L12 Fri, Apr
             Procedures & Recursion
       26
              ink (lectures/12/CSE351-L12-
              procedures-II 19sp-ink.pdf), pptx
              (lectures/12/CSE351-L12-procedures-
              II 19sp.pptx), pdf (lectures/12/CSE351-
              L12-procedures-II_19sp.pdf)
              Reading: CSPP: § 3.7.4-3.7.5, 3.2 (p. 248-255,
              169-177)
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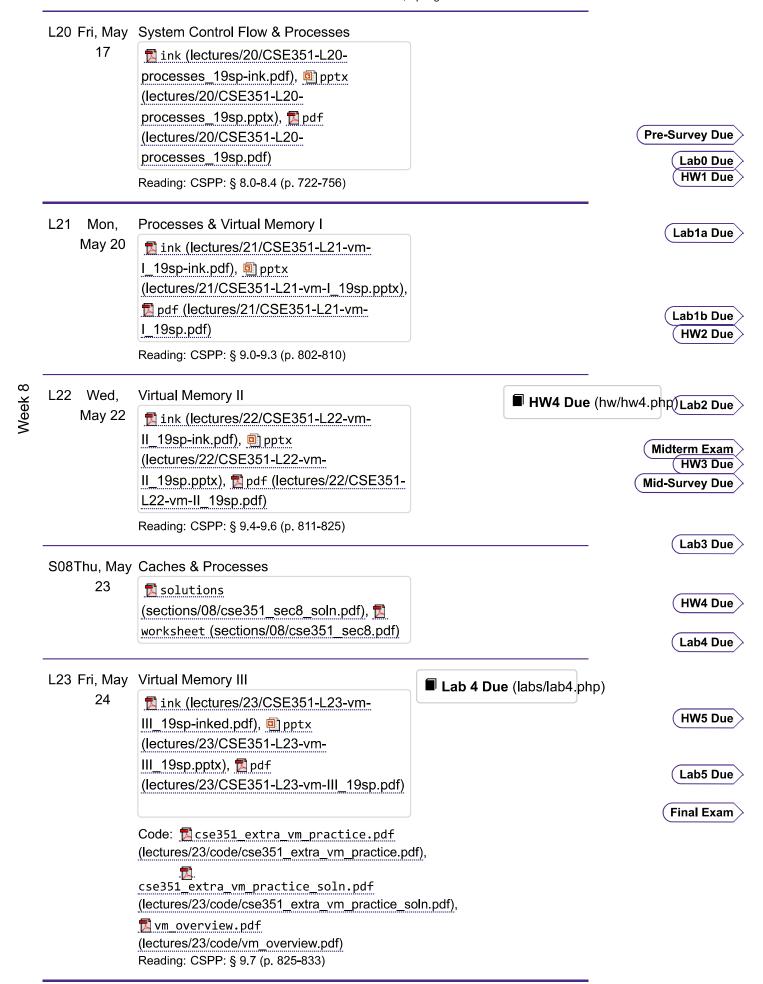


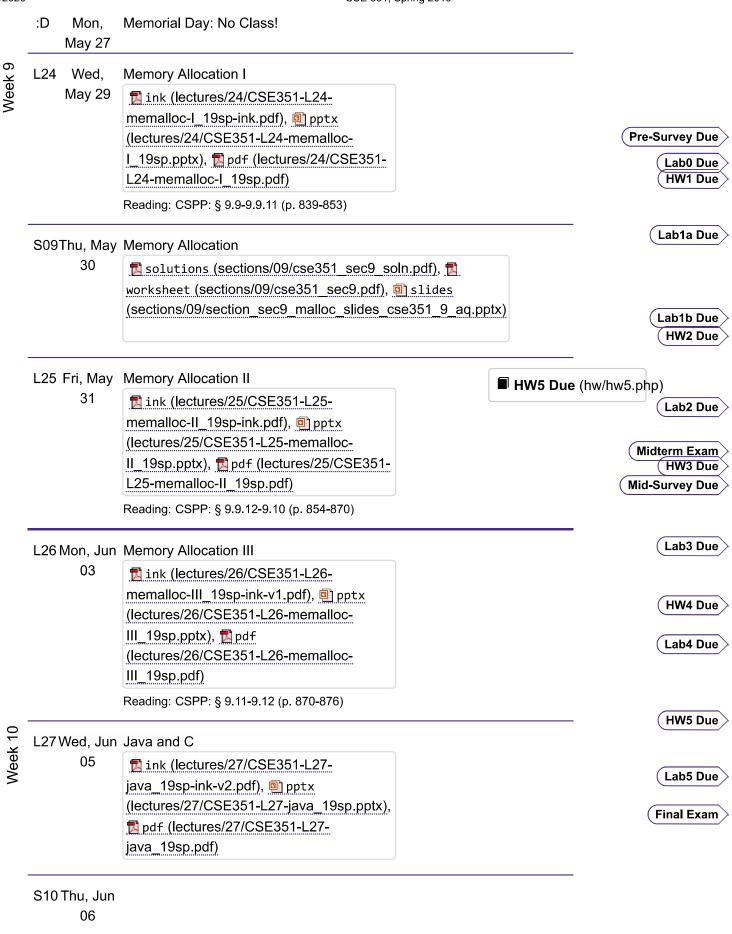
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ink (lectures/16/CSE351-L16-caches-
              I_19sp-ink.pdf), 📵 pptx
              (lectures/16/CSE351-L16-caches-
              I_19sp.pptx), 1 pdf (lectures/16/CSE351-
              L16-caches-I_19sp.pdf)
             Reading: CSPP: § 6.0, 6.2 (p. 579-580, 604-609)
                                                                                          Pre-Survey Due
                                                                                               Lab0 Due
S06Thu, May Array and Structs, Buffer Overflow
                                                                      Mid-Survey Due (hw/midl.w/hp)ue
       09
              (sections/06/cse351 sec6 soln.pdf),
                                                                                              Lab1a Due
              worksheet (sections/06/cse351 sec6.pdf),
              1ab3_demo (sections/06/lab3 demo.pdf)
L17 Fri, May Memory & Caches II
                                                                                              Lab1b Due
       10
              ink (lectures/17/CSE351-L17-caches-
                                                                                               HW2 Due
              II_19sp-ink.pdf), 🗐 pptx
              (lectures/17/CSE351-L17-caches-
              II_19sp.pptx), pdf (lectures/17/CSE351-
                                                                                               Lab2 Due
              L17-caches-II 19sp.pdf)
             Reading: CSPP: § 6.3-6.4.2 (p. 609-624)
                                                                                           Midterm Exam
                                                                                              HW3 Due
L18
     Mon,
             Memory & Caches III
                                                                                          Mid-Survey Due
    May 13
              ink (lectures/18/CSE351-L18-caches-
              III_19sp-ink.pdf), 🗐 pptx
              (lectures/18/CSE351-L18-caches-
                                                                                               Lab3 Due
              III_19sp.pptx), 🔁 pdf
              (lectures/18/CSE351-L18-caches-
              III 19sp.pdf)
                                                                                               HW4 Due
             Reading: CSPP: § 6.4.3-6.4.7 (p. 624-633)
                                                                                               Lab4 Due
L19 Wed,
             Memory & Caches IV
                                                         Lab 3 Due (labs/lab3.php)
    May 15
              ink (lectures/19/CSE351-L19-caches-
              IV 19sp-ink.pdf), 

pptx
                                                                                               HW5 Due
              (lectures/19/CSE351-L19-caches-
              IV_19sp.pptx), 🔁 pdf
              (lectures/19/CSE351-L19-caches-
                                                                                               Lab5 Due
              IV 19sp.pdf)
                                                                                              Final Exam
             Reading: CSPP: § 6.5-6.7 (p. 633-649)
S07Thu, May Caches
       16

    □ caches cheatsheet-CORRECTED

              (sections/07/caches cheatsheet-
              CORRECTED.pdf), 🔁 solutions
              (sections/07/cse351 sec7 soln.pdf),
              worksheet (sections/07/cse351 sec7.pdf)
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Lab 5 Due (labs/lab5.php)

Final Review



Pre-Survey Due

Lab0 Due HW1 Due

(Lab1a Due)

L28 Fri, Jun Java and C, Course Wrap-Up

07

pptx (lectures/28/CSE351-L28-wrapup_19sp.pptx), pdf (lectures/28/CSE351-L28-wrapup_19sp.pdf)

:D Mon, Jun Exam Studying: No Class!

Lab1b Due

:O Wed, Jun Final Exam

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Week 11

Details

12:30pm – 2:20pm in KNE 130 Quick Links: Policies (exams/#final-policies), Topics (exams/#final-topics), Practice (exams/#final-practice) Lab2 Due

Midterm Exam
HW3 Due
Mid-Survey Due

Lab3 Due

HW4 Due

Lab4 Due

HW5 Due

(Lab5 Due)

Final Exam