



Quantitative Sciences Course Union (QSCU)

QSCU Weekly Meeting

February 3rd 2020 | 3:30 PM | UNC 105

[QSCU Calendar](#) | [Pie Fundraiser](#)

Attendees: Lauren, Kat, Ivan, Brodie, Chelsey, Jeff, Kat, Jordan, Alex, Stephanie, Kats, Ivan, Brodie, Chelsey, Jeff, Steph, Alex, Jordan

New Business:

High Priority = Red

Med Priority = Orange

Low Priority = Green

Topic of Discussion	By	Timeline	Action (Y/N)
→ Snack! ◆ Name, snack, date	Lauren		
→ Review Session Course List - Midterm Dates ◆ COSC 111 - Bowen, TA hosted usually <ul style="list-style-type: none"> Feb 7 (TA hosted review session) Ask Bowen if she plans on getting a TA to host <ul style="list-style-type: none"> Cam is TAing ◆ COSC 121 - Ab <ul style="list-style-type: none"> February 27th ◆ PHYS 121 <ul style="list-style-type: none"> February 12th ASC 130 5-7pm Jordan is figuring it out ◆ PHYS 122 <ul style="list-style-type: none"> February 7th March 6th Jordan is in contact with SL ◆ DATA 301 <ul style="list-style-type: none"> Tuesday 2/25 	Lauren, Ivan	Now - Jan. 30th	



<ul style="list-style-type: none"> ○ Monday, the day before (reading week is the week before) ● Thursday 3/26 ◆ STAT 230 <ul style="list-style-type: none"> ● Review session 5:00-7:00pm Feb. 10th <ul style="list-style-type: none"> ○ ART 103 ○ Event pages for pizza rsvp? ○ Short survey with pizza flavours ● Test 1 Feb 12 <ul style="list-style-type: none"> ○ Volunteers: Kat, Laur ● Test 2, March 23 ◆ MATH 221 <ul style="list-style-type: none"> ● Review session 4:30-6:00pm Feb. 7th <ul style="list-style-type: none"> ○ EME 0050 ● Test 1 Feb 11 <ul style="list-style-type: none"> ○ Volunteers: Ivan, Stephanie, Chelsey ● Test 2 March 17 <ul style="list-style-type: none"> ○ Volunteers: Chelsey <p>→ TODO: Make facebook events with forms for pizza signup that we can share with Profs</p> <ul style="list-style-type: none"> ◆ In class announcement to post facebook link <ul style="list-style-type: none"> ● RSVP for Pizza ◆ Getting Pizza for everyone is a test. We will see how the response is ◆ Get an extra medium pizza for every session 			
<p>→ Events</p> <ul style="list-style-type: none"> ◆ Coming Up <ul style="list-style-type: none"> ● Arduino workshop with IEEE, C++ basics <ul style="list-style-type: none"> ○ Led by: Lauren, Volunteers: Emily, Kat, Griffin, Neha, Livia ○ February 24th evening 	Lauren		



- ◆ @kat poster's are pretty

- Volunteers please let Lauren know (basic Java knowledge)

- **Intro to Latex**

- March 2 at 5 pm EME 1202
- Geared toward math and physics
- Volunteers: Brodie, Steph, Chelsey

- **CHIME/DRAO Tour**

- Saturday March 28th
- Off-campus form submitted
- Jordan is checking with OC professors and new UBCO professor about being a potential speaker
 - ◆ Get telescopes for after
 - ◆ A speaker that can present to a general community audience
- Carpool sheet to come closer to
- Talk in evening or day after (by new professor here or professor at OC that does work at DRAO)
- Collaborate with UBCO Astronomy club
 - ◆ Speaker 7:30 - 8:30
 - ◆ Telescopes at 8:30
 - ◆ Room Booking: UNC theater

- ◆ **Pending Events**

- Kelowna Rockets special priced tickets
 - \$10 dollars



- Current plan is comparison and discussion the symmetric vs asymmetric (pub/private vs single key) with some discussion of libraries
- Maybe a tie in to how principles of cryptography and pub/private keys are implemented in practice with Blockchain
- Pi Day
 - [Fundraiser spreadsheet](#)
 - Emily is reaching out to Shuswap Pie Co and Maria and Laura's
 - Deadline to Sell: Friday 2/28
 - Pi Day is on Saturday so we will do Pi Day on Friday, March 13
 - ◆ Well Booking underway
 - Whoever sells the most get a Tim Horton's gift card, and Emily's love an affection <33
 - ◆ Can give the winner rockets tickets
 - ◆ Tell Em if you want to sell
 - Some proceeds may go to charity this year! YAY
 - ◆ Tell Lauren any ideas
 - ◆ Hope
 - ◆ Accelerate Okanagan might have some ideas if we want to branch out
- Machine Learning workshop
 - With Jeff Andrews: Competitive ML



- Kat and Emily: for Python
- Combining into one workshop
- Suggested Day: February 27th
 - ◆ Then Python ML is going to be different
 - maybe intro to pandas and scikit learn
- Reading Break Hangout
 - Kat here, I'm around and working so I can hold something
 - Maybe Tuesday Feb 18th?
 - ◆ Movie night?
 - ◆ In UNC Theater
 - ◆ I'll make a facebook event
 - ◆ Contact our contact at the movie ppl club
 - ◆ Maybe The Great Hack
- Grad student panel
 - March
 - Confirm by mid-February ish
 - For students thinking of going into grad studies
- Badminton
 - Kelowna Badminton Club has been re-contacted
 - ◆ more information to come
 - Likely a weekend
 - QSCU cover drop in cost
 - Mid February
 - ◆ Weekend after reading break
- Women in STEM event
 - Contact other course unions and schools



<ul style="list-style-type: none"> ◆ Check in with Ava ○ Reach out to a highschool ○ Contact CCU, MCU, Engineering society and get some collaboration (panel) ○ March 8th ish - week long thing ○ GIT is running a large event with ACM as well. <ul style="list-style-type: none"> ◆ Might need help finding a keynote speaker ◆ March 14th ● Vue JS Workshop <ul style="list-style-type: none"> ○ Alex: late marchish ● If you have any ideas please let us know <ul style="list-style-type: none"> ○ Jeff's friend has an idea <ul style="list-style-type: none"> ◆ Everyday Data Privacy ◆ Sharing with Laur 			
<p>→ Timeline Ex. Python Workshop</p> <ul style="list-style-type: none"> ◆ October 4th ◆ Future Calendar here 	Lauren	Now - Sept. 27th	Y, Lauren
<p>→ Women in STEM</p> <ul style="list-style-type: none"> ◆ Ada Lovelace - COSC hero <ul style="list-style-type: none"> ● Her notes include the first algorithm that was intended for the use of the machine. She is, therefore, credited as being the very first computer programmer. ◆ Katie Bouman - black hole girl ◆ Rachel Carson - marine biologist and conservationist (creation of EPA) ◆ Grace Hopper (so frickin cool) <ul style="list-style-type: none"> ● COSC person and US Navy rear admiral 			



- Invented the first compiler for a computer programming language
- Popularized the idea of machine independent programming languages (led to COBOL)
- ◆ Chien-Shiung Wu (Physics rocks)
 - Member of Manhattan Project
 - Her work helped develop the process of separating Uranium into Uranium 235 and 238 by gaseous diffusion
 - Most famous for Wu Experiment which contradicted the law of conservation of parity
- ◆ Female fields medal winner: Maryam Mirzakhani
- ◆ Emily Noethe
- ◆ Donna Strickland
 - <https://globalnews.ca/news/4508006/nobel-prize-physics-canadian-donna-strickland/>
- ◆ Sabrina Gonzalez Pasterski
 - https://en.m.wikipedia.org/wiki/Sabrina_Gonzalez_Pasterski
- ◆ <https://obamawhitehouse.archives.gov/women-in-stem>
- ◆ <https://www.astro.umd.edu/~miller/teaching/questions/women.html>
 - These women astronomers were hired as calculators at one of the best observatories of the day and distinguished themselves, discovering some of the most important facts used in astronomy today like the main sequence of stars and cepheid variables (which are HUGELY important to measuring great distances. The discovery that the



<p>universe's expansion is accelerating were due to these stars)</p>			
<p>→ Unit 5 Travel Funding</p> <ul style="list-style-type: none"> ◆ Applicants should e-mail Dr Warren Hare <warren.hare@ubc.ca>, with the subject line "Unit 5 Travel Scholarship Application" and include the following: <ul style="list-style-type: none"> ● 1. A 1/2 page letter (pdf file, 12pt font) that states their contact information, which conference they wish to attend, and why it would benefit them to attend. (Include dates and urls) ● 2. An unofficial transcript, including their declared major. ● 3. (if applicable) A rationale explaining why `non-summer' travel is required, along with an explanation on how such travel will impact their studies. ● 4. (optional) If they will give a presentation (talk or poster) at the conference, then a copy of the title and abstract. 			
<p>→</p>			
<p>→</p>			

Action Items: [name: action - done by]

e.g Parsa: Create new Meeting Notes by Oct 29th

→

Pending Events:

- Arduino Workshop
- Badminton Student Faculty Mixer
- Bob Ross



→ Pi Day

Upcoming Midterm Review Sessions: