



Quantitative Sciences Course Union (QSCU)

QSCU Weekly Meeting

February 10th 2020 | 3:30 PM | UNC 105

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

Attendees: Stephanie, Suyash, Andre, Akshat, Jeff, Ivan, Jordan, Livia, Kristine, Lauren, Emily, Kat

New Business:

High Priority = Red

Med Priority = Orange

Low Priority = Green

Topic of Discussion	By	Timeline	Action (Y/N)
<p>→ Snack!</p> <ul style="list-style-type: none"> ◆ Name, snack, date 	Lauren		
<p>→ Review Session Course List - Midterm Dates</p> <ul style="list-style-type: none"> ◆ COSC 121 <ul style="list-style-type: none"> • Midterm: February 27th • Session booked on February 25th 5-7pm • Submit room booking by Friday • Volunteers: Em, Kat, Griffin, Alex ◆ PHYS 121 <ul style="list-style-type: none"> • Session booked for February 12th ASC 130 5-7pm • A few more volunteers would be nice. Tell your friends ◆ 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) the 24th● Thursday 3/26◆ STAT 230● 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			
<p>→ Events</p> <ul style="list-style-type: none">◆ Pending Events● Kelowna Rockets special priced tickets<ul style="list-style-type: none">○ \$10 dollars○ Saturday March 14th○ Tickets through Lauren○ Purchase any time before the 13th?○ Have a chance to win a free 5 topping pizza from Papa Johns'<ul style="list-style-type: none">◆ and spend time with Laur● Bob Ross Pub Night featuring Pi Day<ul style="list-style-type: none">○ Friday, March 13th 7-9pm○ Painting in the well prior to<ul style="list-style-type: none">◆ 3-5 in the well, then meet at tree brewing at 7pm○ Tickets: \$15 for drink and wig● Cryptography	Lauren		



- Talking with Scott about it now, we are discussing what would be covered.
- Bring doggo
- 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
- Monday or Wednesday in March, starting at 4 or 6
- **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 basically done but I think I'll email Mike again to double check.
 - 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
- A Friday afternoon 3:30pm
 - ◆ Then Python ML is going to be different
 - ◆ maybe intro to pandas and scikit learn

- **Grad student panel**

- March
- Confirm by mid-February ish
- For students thinking of going into grad studies
 - ◆ A few grad students and recently done. Can ask questions of panel
 - ◆ Please suggest new female profs and grad students
- Reaching out to profs now so making progress :)

- **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

- **Vue JS Workshop**

- Alex: late marchish



- March 31st 1-3pm
- **Data privacy talk/workshop**
 - Hosted by Faizan Khalid
 - Ideally first week of March

◆ **Coming Up**

- **Reading Break Hangout**
 - Tuesday Feb 18th 5pm in the UNC Theater, movie starts at 6
 - Movie Night
 - Created Facebook Event page
 - ◆ Poll on the Facebook event page.
 - Contact our contact at the movie ppl club :)
 - Maybe The Great Hack
- **Arduino workshop with IEEE, C++ basics**
 - Led by: Lauren, Volunteers: Kat, Griffin, Neha, Livia
 - February 24th evening
 - ◆ @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



<ul style="list-style-type: none"> ◆ 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 <ul style="list-style-type: none"> ◆ Speaker 7:30 - 8:30 ◆ Telescopes at 8:30 ◆ Room Booking: UNC theater 			
<p>→ Other Club Events! (Other club coordinators present, feel free 2 add)</p> <ul style="list-style-type: none"> ◆ UBCO Girls in Tech <ul style="list-style-type: none"> ● We CAN Tech! (an ACM-W Chapter Celebration (its basically a conference)) <ul style="list-style-type: none"> ○ Open to all event! There will be workshops, speakers, and free food ○ You don't have to be in tech / tech major to attend! Just come!!! ○ RSVP on the website vvv ○ More information here: http://ubcogirlsintech.acm.org/acmw_celeb/ 	Kat Ng		
<p>→ Timeline Ex. Python Workshop</p> <ul style="list-style-type: none"> ◆ October 4th 	Lauren	Now - Sept. 27th	Y, Lauren



◆ <i>Future Calendar</i> here			
<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)<ul style="list-style-type: none">● 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<ul style="list-style-type: none">● https://globalnews.ca/news/4508006/nobel-prize-physics-canadian-donna-strickland/◆ Sabrina Gonzalez Pasterski<ul style="list-style-type: none">● https://en.m.wikipedia.org/wiki/Sabrina_Gonzalez_Pasterski			



<ul style="list-style-type: none">◆ https://obamawhitehouse.archives.gov/women-in-stem◆ https://www.astro.umd.edu/~miller/teaching/questions/women.html<ul style="list-style-type: none">● 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 universe's expansion is accelerating were due to these stars)			
<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.			



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Action Items: [name: action - done by]

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

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Pending Events:

- Arduino Workshop
- Machine Learning Workshop
- Cryptography
- Badminton Student Faculty Mixer
- Bob Ross
- Pi Day

Upcoming Midterm Review Sessions:

- DATA 301
- PHYS 121
- STAT 230
- COSC 121