



Quantitative Sciences Course Union (QSCU)

QSCU Weekly Meeting

February 24th 2020 | 3:30 PM | UNC 105

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

Attendees:

Lauren, Emily, Kat, Stephanie, Ivan, Chelsey, Andre, Jeff, Brodie, Kat, Jordan, Alex, Annette,

New Business:

High Priority = Red

Med Priority = Orange

Low Priority = Green

Topic of Discussion	By	Timeline	Action (Y/N)
→ Review Session Course List - Midterm Dates	Lauren, Ivan	Now - Feb. 28th	
◆ COSC 121 <ul style="list-style-type: none">• Midterm: February 27th• Room: ART 103• Session booked on February 25th 5-7pm• Submit room booking by Friday• Volunteers: Em, Griffin, Alex, Lauren, Ivan, Parsa			
◆ DATA 301 <ul style="list-style-type: none">• Midterm on Thursday 3/26<ul style="list-style-type: none">○ Review session on March 23 5-7?• Slides have been posted for the upcoming one (February 25th)			
◆ MATH 221 <ul style="list-style-type: none">• Midterm March 17			
◆ PHYS 122 <ul style="list-style-type: none">• Midterm March 6			



<ul style="list-style-type: none"> ○ • SL ◆ STAT 230 <ul style="list-style-type: none"> • We already have the slides • Hypothesis testing <3 			
<p>→ Events</p> <ul style="list-style-type: none"> ◆ Pending Events <ul style="list-style-type: none"> • Cryptography <ul style="list-style-type: none"> ○ Talking with Scott about it now, we are discussing what would be covered. ○ Might 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 ○ <i>March 18th at 6pm</i> <ul style="list-style-type: none"> ◆ <i>Booked but not confirmed</i> • Machine Learning workshop <ul style="list-style-type: none"> ○ With Jeff Andrews: Competitive ML ○ <i>Friday March 6th 3:30pm</i> <ul style="list-style-type: none"> ◆ <i>Booked but not confirmed</i> • Grad student panel <ul style="list-style-type: none"> ○ late March <ul style="list-style-type: none"> ◆ Thursday April 2nd ○ Natalie has been contacted ○ For students thinking of going into grad studies 	<p>Lauren</p>		



<ul style="list-style-type: none">◆ 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 :)○ Skype Sabrina and Sean!<ul style="list-style-type: none">◆ Is this something we can do (is it feasible to have a skype meeting over the projector?)● Vue JS Workshop<ul style="list-style-type: none">○ Alex: late marchish○ Tuesday March 31st 5-7pm● Data privacy talk/workshop<ul style="list-style-type: none">○ Hosted by Faizan Khalid○ Ideally first-second week of March◆ Coming Up<ul style="list-style-type: none">● 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● Pi Day<ul style="list-style-type: none">○ Fundraiser spreadsheet○ Emily is reaching out to Shuswap Pie Co and Maria and Laura's			
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- 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
- There will be an eventbrite to rsvp for painting in the well
- **Bob Ross Pub Night featuring Pi Day**
 - Friday, March 13th 7-9pm
 - Painting in the well prior to
 - 3-5 in the well, then meet at tree brewing at 7pm
 - Tickets: \$12 for drink and wig
 - There will be an eventbrite for the pub night soon
- **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
- ***Not in a lab so bring your own computers!!!
- Geared toward math and physics
- Volunteers: Brodie, Steph, Chelsey, Jordan
- **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
 - Contact parking services about booking a parking lot for telescopes
- **Potluck at the end of the term!**
- **AGM**
 - Start thinking of people to nominate



<ul style="list-style-type: none"> ◆ Unit 5 ◆ Leadership positions ○ Position descriptions will be posted on the website 			
<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"> ○ March 14 (9:30 am to 3:30 pm) ○ Speakers: Dr. Margo Seltzer - Canada 150 Research Chair AND Former Prof at Harvard, now at UBC-V and Jacquie Armstrong - Tech Director at Walt Disney ○ 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 ◆ Future Calendar here 	Lauren	Now - Sept. 27th	Y, Lauren
<p>→ Other Club Events (No Presentor)</p> <ul style="list-style-type: none"> ◆ UBCO Video Game Development Club <ul style="list-style-type: none"> ● Video Game Design 			



<ul style="list-style-type: none"> ○ Hosted by Shane Delichte ○ ART 376 on February 28th from 5:00 to 6:30 ● Hyper Hippo Studio Tour <ul style="list-style-type: none"> ○ Wednesday, February 26th from 2–3 PM ○ If you're interested in Game Dev ○ Please rsvp for this event by sending an email to ubcovgdc@gmail.com ◆ UBCO Relay For Life <ul style="list-style-type: none"> ● Relay is a 12 hour walk-a-thon <ul style="list-style-type: none"> ○ Carnival themed with games ○ Each participant is provided with food for the night and a t-shirt! ● March 7th, 6pm to 6am ● Carnival themed with games ● sign up 			
<p>→ Women in STEM</p> <ul style="list-style-type: none"> ◆ Potentially put up posters of women in stem, including facts and information about how you can get involved in that field ◆ 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
- ◆ Margaret Hamilton - moon coder
- ◆ 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:

→ Machine Learning Workshop

→ Cryptography

Upcoming Midterm Review Sessions:

→ COSC 121