



Quantitative Sciences Course Union (QSCU)

QSCU Weekly Meeting

March 2nd 2020 | 3:30 PM | UNC 105

[QSCU Calendar](#)

Attendees:

New Business:

High Priority = Red

Med Priority = Orange

Low Priority = Green

Topic of Discussion	By	Timeline	Action (Y/N)
<p>→ Review Session Course List - Midterm Dates</p> <ul style="list-style-type: none"> ◆ 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? ◆ MATH 221 <ul style="list-style-type: none"> ● Midterm March 17 ● Review session on Monday March 16th ◆ PHYS 122 <ul style="list-style-type: none"> ● Midterm March 6 <ul style="list-style-type: none"> ○ Review session Tuesday March 3 ● SL ◆ STAT 230 <ul style="list-style-type: none"> ● Midterm is on Monday March 23 <ul style="list-style-type: none"> ○ Review session on Friday 20 @5-7pm or 3:30-5:30pm ● We already have the slides ● Hypothesis testing <3 	Lauren, Ivan	Now - Feb. 28th	



<p>→ QSCU Executive Nominations</p> <ul style="list-style-type: none"> ◆ Self Nomination ◆ Nominate someone you know 	Lauren		
<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 ○ Scott has not talked to me since we confirmed the date. I will talk to him about how preparation is going. ○ <i>March 18th at 6pm</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 <ul style="list-style-type: none"> ◆ A few grad students and recently done. Can ask questions of panel 	Lauren		



- ◆ Please suggest new female profs and grad students
- Reaching out to profs now so making progress :)
- Skype Sabrina and Sean!
 - ◆ Is this something we can do (is it feasible to have a skype meeting over the projector?)
- Bowen proposed combining the URC (Undergraduate Research Conference), the Unit 5 awards, and the grad student panel
 - ◆ Start early in the morning (9ish)
- **Data privacy talk/workshop**
 - Hosted by Faizan Khalid
 - Ideally first-second week of March
 - ◆ Proposed the second last week of March
- ◆ **Coming Up**
 - **Vue JS Workshop**
 - Alex: late marchish
 - *Tuesday March 31st 5-7pm*
 - EME 1151
 - **Machine Learning workshop**
 - With Jeff Andrews: Competitive ML
 - *Friday March 6th 3:30pm*
 - EME 2111
 - **Kelowna Rockets special priced tickets**
 - \$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'
 - ◆ and spend time with Laur
- **Pi Day**
 - **Pie has been ordered! Delivery is March 13!**
 - [Fundraiser spreadsheet](#)
 - 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.
 - What time in the morning do we pick up the pi? -Kristine
 - Whoever sells the most get a Tim Horton's gift card, and Emily's love an affection <33
 - ◆ Can give the winner rockets tickets
 - 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: \$15 for drink and wig



- There will be an eventbrite for the pub night soon
- **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



<ul style="list-style-type: none"> ○ Get poster out a bit earlier so that people can plan rides to Penticton ● Potluck at the end of the term! <ul style="list-style-type: none"> ○ April 6th meeting ● AGM <ul style="list-style-type: none"> ○ Start thinking of people to nominate <ul style="list-style-type: none"> ◆ Unit 5 ◆ Leadership positions ○ Position descriptions will be posted on the website ○ Evening of Friday, April 3rd <ul style="list-style-type: none"> ◆ 5:30ish ◆ Booking request sent, no response 			
<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 	<p>Kat Ng</p>		



<ul style="list-style-type: none"> ○ 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/ 			
<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 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"> ◆ Posting Women in STEM on Instagram every day until International Women's Day. <ul style="list-style-type: none"> ● List: <ul style="list-style-type: none"> ○ Ada Lovelace ○ Chien-Shiung Wu ○ Maryam Mirzakhani ○ Grace Hopper ○ Katie Bouman <ul style="list-style-type: none"> ◆ replace with Stats/Data if possible ◆ 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.

- DONE
- ◆ Katie Bouman - black hole girl
- ◆ Rachel Carson - marine biologist and conservationist (creation of EPA)
- ◆ Grace Hopper (so frickin cool)
 - 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>



<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. 			
<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