



Quantitative Sciences Course Union (QSCU)

QSCU Weekly Meeting

January 27th 2020 | 3:30 PM | UNC 105

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

Attendees: Steph, Chelsey, Jordan, Alex, Andre, Ivan, Jeff, Kats, Emily, Esther, Lauren, Annette, David, Brodie

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 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"> ○ Room: TBD ● Test 1 Feb 12 ● 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"> ○ Room: TBD ● Test 1 Feb 11 ● Test 2 March 17 			
<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 or 25th ○ Volunteers please let Lauren know (basic Java knowledge) ● Intro to Python <ul style="list-style-type: none"> ○ Led by: Kat and Ivan ○ Volunteers: Brody ○ Tuesday 28th at 5:30 EME 1202 ● Intro to Latex <ul style="list-style-type: none"> ○ March 2 at 5 pm EME 1202 ○ Geared toward math and physics ○ Volunteers: Brodie, Steph, Chelsey ● CHIME/DRAO Tour <ul style="list-style-type: none"> ○ Saturday March 28th 	<p>Lauren</p>		



- 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
- Talk to Alex Goodhew from Accelerate about Innovation Center
 - ◆ Might be about \$400
 - ◆ Could probably just do it here to save money
 - ◆
- 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

◆ **Pending Events**

- Kelowna Rockets special priced tickets
 - \$10 dollars
 - Saturday March 14th
 - Tickets through Lauren
 - Purchase any time before the 13th?
- Bob Ross Pub Night
 - First week of March
 - Lauren is coordinating with Sean and David Roberts, emailing with Tree Brewing



- Shoutout to Izzy
- Painting in the well prior to
 - ◆ 3-5 in the well, then meet at tree brewing at 7
- Undergraduate practice speech
 - Collaboration with Undergraduate research club
 - ◆ Leave it more up to them
 - Talk to Leo about it (might work with him to get an astronomer)
 - Get Phil to help
 - mmmnmmnmmmmmm????
- Cryptography
 - 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
- Pi Day
 - [Fundraiser spreadsheet](#)
 - Emily is reaching out to Shuswap Pie Co and Maria and Laura's
 - Pi Day is on Saturday so we will do Pi Day on Friday, March 13



- ◆ Looking into booking the Well

- Whoever sells the most get a Tim Horton's gift card, and Emily's love an affection <33
- Some proceeds may go to charity this year! YAY

- ◆ Tell Lauren any ideas

- ◆ Hope

- Machine Learning workshop
 - With Jeff Andrews: for R
 - Kat and Emily: for Python
 - Combining into one workshop
- 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
 - Likely a weekend
 - QSCU cover drop in cost
 - Mid February
 - ◆ Weekend after reading break
- Women in STEM event
 - Contact other course unions and schools
 - 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.



<p>◆ Might need help finding a keynote speaker</p>			
<p>→ BC Cancer Summer Student Research</p> <p>◆ Cover Letter addressing the following:</p> <ul style="list-style-type: none"> ● GPA (Minimum 80%) ● Verification that you will have completed a basic statistics course by this upcoming summer. Note that preference will be given to students who have completed DATA 301. ● Brief (2-3 sentences) description of any previous research- or medical-related volunteering / experiences. ● Brief description of any summer plans you already have. ● Brief description of why you would be ● in pre-med oncology OR computer programming OR epidemiology / statistics summer research position. ● Any specific projects you would be interested in being involved with (to see a list of ongoing projects, please visit our website at http://www.earlydetection.ca and click “Projects”). <p>◆ · Curriculum vitae</p> <p>◆ · Unofficial Transcripts</p> <p>For more information, please visit the following websites:</p> <ul style="list-style-type: none"> · UBC Faculty of Medicine Summer Student Research Program (SSRP) http://www.med.ubc.ca/current-learners/summer-student-research-program/students/ · BC Cancer Early Detection Research Group website http://www.earlydetection.ca/ 	<p>Lauren</p>	<p>Feb. 1</p>	



<p>If you are motivated student interested in a position, all applications can be forwarded to amanda.wanner@bccancer.bc.ca with subject line “2020 Studentship” by no later than February 1, 2020.</p>			
<p>→ Timeline Ex. Python Workshop</p> <ul style="list-style-type: none"> ◆ October 4th ◆ <i>Future Calendar here</i> 	<p>Lauren</p>	<p>Now - Sept. 27th</p>	<p>Y, Lauren</p>
<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 			



<ul style="list-style-type: none"> ◆ 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 ◆ 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. <ul style="list-style-type: none">• 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
- Badminton Student Faculty Mixer
- Bob Ross
- Pi Day

Upcoming Midterm Review Sessions: