



Quantitative Sciences Course Union (QSCU)

# QSCU Weekly Meeting

January 13th 2020 | 3:30 PM | UNC 105

[QSCU Calendar](#)

Attendees: Lauren, Emily, Stephanie, Chelsey, Parsa, Jordan, Kat, Griffin, Alexis, Ava, Jeff, Olivia

### New Business:

High Priority = Red

Med Priority = Orange

Low Priority = Green

Topic of Discussion	By	Timeline	Action (Y/N)
<p>→ Winter Expo</p> <ul style="list-style-type: none"> <li>◆ <a href="#">Please sign up for a time if you are available the day of</a></li> <li>◆ Advertise t-shirts!</li> </ul>	Lauren	January 14th	
<p>→ Snack!</p> <ul style="list-style-type: none"> <li>◆ <a href="#">Name, snack, date</a></li> </ul>	Lauren		
<p>→ Events</p> <ul style="list-style-type: none"> <li>◆ Arduino workshop with IEEE, C++ basics <ul style="list-style-type: none"> <li>● End of January/beginning of February, waiting for IEEE confirmation</li> <li>● Emily, Kat can help</li> </ul> </li> <li>◆ Undergraduate practice speech <ul style="list-style-type: none"> <li>● Collaboration with Undergraduate research club</li> <li>● Talk to Leo about it</li> <li>● Get Phil to help</li> </ul> </li> <li>◆ Intro to Latex</li> </ul>	Lauren		



- More people may come in Marchish/end of February (March 2 @ 5 pm)
- Advertise in second year physics classes/labs

◆ CHIME/DRAO

- Astronomy Club forming next semester, potential collaboration
  - Ask Tippet about how we can set up the innovation center part
- Look into getting a bus
- Take 60 (OC 20ish, gives us 40ish)
- Saturday March 28
- Advertisement: say we're going to be outside for most of it so dress appropriately
- Send info to Lauren, and we'll make an event brite
- Talk to Alex Goodhew from Accelerate

◆ Intro to GIT, January 15th 5pm

◆ Cryptography

- Talking with Scott about it now, we are discussing what would be covered.
- 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

- Selling in February

◆ Machine Learning workshop

- With Jeff Andrews: for R



- Kat and Emily: for Python
- ◆ Intro to Python again
  - Kat and Ivan
  - Tuesday 28th at 5:30 EME 1202 confirmed :)
- ◆ Grad student panel
  - March
  - Confirm by mid-February ish
- ◆ Badminton
  - Kelowna Badminton Club has been contacted
  - Mid February
- ◆ Skating with faculty
  - Friday, January 24 around 6pm
  - Downtown
- ◆ Women in STEM event?
  - Reach out to a highschool
  - Contact CCU, MCU, Engineering society and get some collaboration
  - March 8th ish - week long thing
  - Women in STEM
    - Ada Lovelace - COSC hero
      - ◆ 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)
      - ◆ COSC person and US Navy rear admiral
      - ◆ Invented the first compiler for a



<p>computer programming language</p> <ul style="list-style-type: none"> <li>◆ Popularized the idea of machine independent programming languages (led to COBOL)</li> <li>○ Chien-Shiung Wu (Physics rocks) <ul style="list-style-type: none"> <li>◆ Member of Manhattan Project</li> <li>◆ Her work helped develop the process of separating Uranium into Uranium 235 and 238 by gaseous diffusion</li> <li>◆ Most famous for Wu Experiment which contradicted the law of conservation of parity</li> </ul> </li> <li>○ Female fields medal winner: Maryam Mirzakhani</li> </ul>			
<p>→ <b>BC Cancer Summer Student Research</b></p> <ul style="list-style-type: none"> <li>◆ <b>Cover Letter</b> addressing the following: <ul style="list-style-type: none"> <li>◆ ○ GPA (Minimum 80%)</li> <li>◆ ○ 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.</li> <li>◆ ○ Brief (2-3 sentences) description of any previous research- or medical-related volunteering / experiences.</li> <li>◆ ○ Brief description of any summer plans you already have.</li> <li>◆ ○ Brief description of why you would be interested in premed oncology OR computer</li> </ul> </li> </ul>	Lauren	Feb. 1	



<p>programming OR epidemiology / statistics summer research position.</p> <ul style="list-style-type: none"> <li>◆ ○ Any specific projects you would be interested in being involved with (to see a list of ongoing projects, please visit our website at <a href="http://www.earlydetection.ca">http://www.earlydetection.ca</a> and click “Projects”).</li> <li>◆ · <b>Curriculum vitae</b></li> <li>◆ · <b>Unofficial Transcripts</b></li> </ul> <p>For more information, please visit the following websites:</p> <ul style="list-style-type: none"> <li>· UBC Faculty of Medicine Summer Student Research Program (SSRP) <a href="http://www.med.ubc.ca/current-learners/summer-student-research-program/students/">http://www.med.ubc.ca/current-learners/summer-student-research-program/students/</a></li> <li>· BC Cancer Early Detection Research Group website <a href="http://www.earlydetection.ca/">http://www.earlydetection.ca/</a></li> </ul> <p>If you are motivated student interested in a position, all applications can be forwarded to <a href="mailto:amanda.wanner@bccancer.bc.ca">amanda.wanner@bccancer.bc.ca</a> with subject line “<b>2020 Studentship</b>” by no later than <b>February 1, 2020</b>.</p>			
<p>→ <b>Review Session Course List</b></p> <ul style="list-style-type: none"> <li>◆ COSC 111 - Bowen, TA hosted usually</li> <li>◆ COSC 121 - Ab</li> <li>◆ PHYS 121</li> <li>◆ PHYS 122</li> <li>◆ DATA 301 <ul style="list-style-type: none"> <li>● Tuesday 2/25</li> <li>● Thursday 3/26</li> </ul> </li> <li>◆ STAT 230</li> <li>◆ MATH 221</li> </ul>	Lauren	Now - Jan. 30th	
<p>→ <b>Timeline Ex. Python Workshop</b></p> <ul style="list-style-type: none"> <li>◆ <b>October 4th</b></li> <li>◆ <i>Future Calendar <a href="#">here</a></i></li> </ul>	Lauren	Now - Sept. 27th	Y, Lauren
<p>→ <b>Unit 5 Travel Funding</b></p>			



<p>◆ Applicants should e-mail Dr Warren Hare &lt;<a href="mailto:warren.hare@ubc.ca">warren.hare@ubc.ca</a>&gt;, with the subject line "Unit 5 Travel Scholarship Application" and include the following:</p> <ul style="list-style-type: none"> <li>● 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)</li> <li>● 2. An unofficial transcript, including their declared major.</li> <li>● 3. (if applicable) A rationale explaining why 'non-summer' travel is required, along with an explanation on how such travel will impact their studies.</li> <li>● 4. (optional) If they will give a presentation (talk or poster) at the conference, then a copy of the title and abstract.</li> </ul>			
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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

→ Intro to Latex

→ Intro to GIT

**Upcoming Midterm Review Sessions:**

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