

Calculus

University of British Columbia

- Calculus 1, 2 and 3, complete with Problem books:
http://www.math.ubc.ca/~andrewr/CLP/clp_home.html
- Bank of old finals with solutions: http://wiki.ubc.ca/Science:Math_Exam_Resources

University of Waterloo

- Calculus 1 course notes/lectures
<http://www.math.uwaterloo.ca/~baforges/UCM137/Lectures/BarbsM137Lectures.html>
- Calculus 2 course notes/lectures are available at
<http://www.math.uwaterloo.ca/~baforges/UCM138/Lectures/BarbsM138Lectures.html>

University of Manitoba

- Calculus 1 course notes
http://server.math.umanitoba.ca/~barr/Files/1500/1500_f15/1500_f15_notes.html
- Calculus 1 videos
http://server.math.umanitoba.ca/~barr/Files/1500/1500_f15/1500_vids.html

Calculus for Life Sciences

University of British Columbia (now also adopted at Simon Fraser University and University of the Fraser Valley)

- Differential Calculus for Life Sciences: <http://www.math.ubc.ca/~keshet/OpenBook.pdf>
- Integral Calculus for Life Sciences:
<http://www.ugrad.math.ubc.ca/coursedoc/math103/2017W2/lecturenotes/lecturenotes.pdf>

Computer Science

University of Waterloo

- A course in Python with some videos and sample problems:
<https://cs.uwaterloo.ca/~cbruni/CS116Resources/index.php>
- Also, see this for more Python resources:
<https://open.cs.uwaterloo.ca/python-from-scratch/>
- Two courses in C programming (I have clicker questions as well for these courses in C! Email cbruni@uwaterloo.ca for them):
<https://cs.uwaterloo.ca/~cbruni/CS136Resources/index.php>
<https://cs.uwaterloo.ca/~cbruni/CS137Resources/index.php>
- A course in CS Logic (To be updated throughout the term):
<https://cs.uwaterloo.ca/~cbruni/CS245Resources/index.php>

Introduction to Proofs

University of Waterloo

- All kinds of resources (This course has number theory in it as well):
<https://cs.uwaterloo.ca/~cbruni/Math135Resources/index.php>
- See also a History of Mathematics course taught with a number theory spin:
<https://cs.uwaterloo.ca/~cbruni/CO480Resources/index.php>
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Linear Algebra

University of Waterloo

- [Open.math.uwaterloo.ca](https://open.math.uwaterloo.ca)

Precalculus, review, and upgrading/high school materials

University of the Fraser Valley

- Precalculus Review Package:
<https://www.ufv.ca/media/assets/mathematics/latex-resources/review-materials-ks.pdf>

University of Waterloo

- Video lessons and interactive worksheets for a variety of precalculus and high school topics:
<https://courseware.cemc.uwaterloo.ca>

Resources for Active Teaching

- Good Questions project at Cornell has a variety of Calculus multiple choice questions suitable for in-class voting: <http://www.math.cornell.edu/~GoodQuestions/materials.html#GQ>
- Active Calculus Book and its supplement containing activities and clicker questions have been developed by Carroll College:
 - Book: <https://scholarworks.gvsu.edu/books/10/>
 - Activities and clicker questions:
https://www.carroll.edu/sites/default/files/content/academics/mathematics/mathtexts/Activities_and_Clickers.pdf