



Applied Sciences & Engineering Technology/
Environmental Applied Science and Technology
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June 8, 2020

Welcome!

Congratulations on your acceptance into the Environmental Applied Science Technology (EAST) Program at Holland College! We recognize this is an exciting and important step for you towards your future career. We are looking forward to meeting and working with you as you start this journey.

As you will appreciate, this upcoming educational year promises to be unique with some new learning approaches being planned. During the fall semester a blended learning approach will be used. To give you an idea what this will look like for you, it will be a mixture of hands on and F2F (Face to Face) learning combined with some distance learning.

To help clarify this is that we will need to be dividing the class into smaller groups of students at a time for field trips, laboratories, and demonstrations and rotating the class according to the defined safety guidelines (eg maximum numbers allowed at a time).

Please contact me with any questions so I can clarify as much as possible what to expect. Please see our contact information below.

Also please email me (Bryan Grimmelt) at the email below to confirm you received this email. This will help verify we have your correct contact information and upcoming communications will be getting to you.

Instructor Contact Information:

Bryan Grimmelt (1st Year Learning Manager)
bkgrimmelt@hollandcollege.com
(902) 629-4216
Room 328 Center for Applied Sciences Technology
(CAST Building)

Brian O'Neill (2nd Year Learning Manager)
boneill@hollandcollege.com
(902) 629-4263
Room 213C Charlottetown Centre (CC)

From Holland College

Classes for first year students will begin on September 1st and on September 3rd for second year students. Currently, the Chief Public Office has indicated that anyone entering Prince Edward Island must self-isolate for 14 days. To support students, **programs being offered using a blended delivery approach will deliver course content through distance for the first two weeks of classes (September 1-14th)** so that students can complete their self-isolation requirement before the start of the face to face delivery of the practical and applied learning components. Out of province students will need to arrive on Prince Edward Island by August 31st to begin the 14 day self-isolation period and currently must apply for [travel approval](#) from the province; students will need to provide proof of enrollment at Holland College along with proof of accommodation for entry into P.E.I. If the current directive of self-isolation from the Chief Public Office changes between now and September 1st, students will be advised of such changes by Holland College.

the Admissions office is preparing Orientation to be fully distant this fall,

IMPORTANT DATES TO GET STARTED:

Tue Sep 1, 2020:	First day of classes for first year students	
Tue Sep 1: 1-2pm	Map Use and Analysis	Introductory Virtual Class
Wed Sep 2: 9-10am	Environmental Chemistry	Introductory Virtual Class
Thu Sep 3: 10:30-12	Natural Science Math	Introductory Virtual Class
Fri Sep 4: 9-12am	Computer Essentials	Introductory Virtual Class
Fri Sep 4: 1pm -2:15	Environmental Science	Introductory Virtual Class

Mon Sep 7: No classes Labour Day

Mon Oct 12: No classes Thanksgiving

Wed Nov 11: No classes Remembrance Day

December 11, 2020 Last Day of Class before Christmas

January 6, 2020 First Day of Class (Winter Semester)

Feb 22-26, 2021 February Break No classes

April 23, 2021 Last Day of Classes (Winter Semester)

ENVIRONMENTAL SCIENCE FIRST YEAR FIRST TERM CLASSES AND SCHEDULE

CLASS	Type of Learning	Primary Learning Manager	Scheduled Times Weekly
Environmental Science	Blended	Bryan Grimmelt	Synchronous On-Line Class Mon (Alt Fri): 1-2:30pm Rotating Field, Lab, or Asynchronous Study periods Mon 1-4pm and Fri 1-4pm
Environmental Chemistry	Blended	Bryan Grimmelt	Synchronous on-Line Class Tuesdays 9-10:15am Rotating Lab or Asynchronous Study/Work periods Wed 9 – 12 am or 1 - 4pm
Map Use and Analysis	Blended	Bryan Grimmelt	Synchronous Weekly on-Line Class: Tue : 1-2:30pm Rotating Field, Lab, GIS Synchronous/Asynchronous Study/Work periods Mon 9-12am, Tu 2:30-4pm
Natural Science Math	Blended	Doug Kelly	Synchronous On-Line Class Tuesdays 10:30-12:am Asynchronous learning periods Thu 10:30-12 & 1-2:30pm
Computer Essentials	Blended	Don Hood	Fri 9-12am Synchronous/Asynchronous Study/Work periods
<p>Rotating: Means that not all students will be participating in the learning period at the same time.</p> <p>Synchronous virtual learning period. This means the whole class connects on-line at the same time.</p> <p>Asynchronous learning times. This means some learning times will be flexible but will still have defined due dates for assignment, tests etc.</p>			

Each of your five above courses in the fall will include at least one synchronous virtual learning period each week. This means the whole class connects on-line at the same time.

There will also be asynchronous learning times. This means some of your learning times will be flexible but will still have defined due dates for assignment, tests etc.

One example of this is that when half the class is actively involved in doing a laboratory or field trip, the other half may be using their flexible learning time to work on their other assignments or viewing pre-prepared lectures or videos.

TEXT BOOKS: Some of the first year textbooks this year will be e-books with no requirement to purchase the actual physical copies, although this will be an option. More information on this is available below and will be forthcoming. Please remember to pay attention to the Rental Conditions if renting the etexts. Consider the rental start and end dates carefully – you do not want to begin the rental too soon if it may expire before you are finished with it.

Text-Books Used for First Year First term Courses:

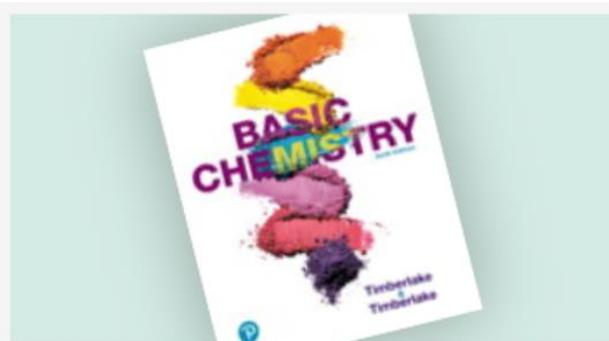


Environment: The Science Behind the Stories [RENTAL EDITION], 7th Edition

Withgott & Laposata

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 MASTERING



Basic Chemistry, 6th Edition

Timberlake

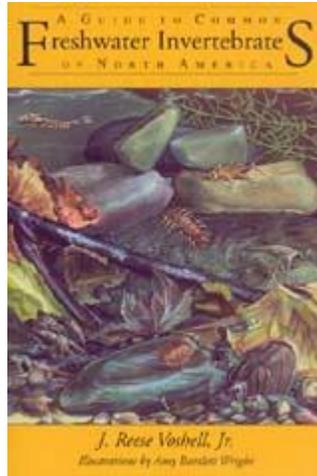
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 MASTERING

The above two e-books come with **access codes for on-line resources** that you will be needing for completing the courses.

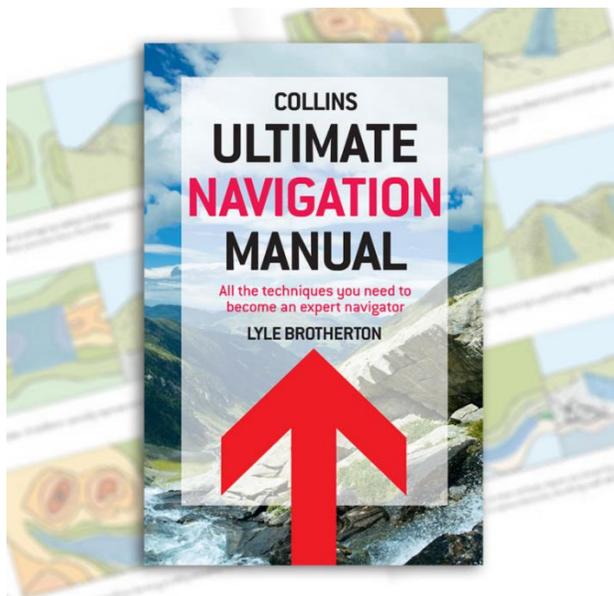
In addition a Customized Laboratory Manual will be available at the bookstore. (Cost approx.. \$45)

Freshwater Invertebrates of North America

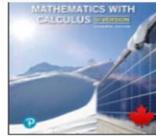


Used for Ecology and Biology components of Environmental Science including assessing Environmental Health of Freshwater systems. Used early in the first term and as a resource through the duration of the program. This book may be purchased second hand. On-line access codes are not necessary

TEXTBOOK For Map Use and Analysis



Textbook and access codes for Natural Science Math:



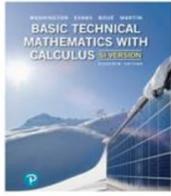
[View larger cover](#)

SI Version Plus MyLab Math -- Access Card Package, 11/E

Allyn J. Washington, *Corning Community College*
Michelle Boué, *Trent University*
Richard Evans, *Corning Community College*
Elizabeth Fabbroni Martin, *Mohawk College of Applied Arts & Technology*

ISBN-10: 0135309476 • ISBN-13: 9780135309476
©2020 • Cloth Bound with Access Card
Published 02/07/2019 • Instock

<https://catalogue.pearsoned.ca/educator/product/Basic-Technical-Mathematics-with-Calculus-SI-Version-Plus-MyLab-Math-Access-Card-Package/9780135309476.page>



Basic Technical Mathematics with Calculus, SI Version,

By: Allyn J. Washington; Michelle Boué
Publisher: Pearson Canada
Print ISBN: 9780135309476, 0135309476
eText ISBN: 9780134733104, 013473310X
Edition: 11th
Copyright year: 2020
Format: PDF

Available from \$69.99 CAD
SKU: 9780134733104R180

<https://www.vitalsource.com/en-ca/products/basic-technical-mathematics-with-calculus-si-allyn-j-washington-michelle-v9780134733104?term=9780134733104>

Note on Math Textbook: Available in both hard bound and e-text (pdf). I will not require one over the other. The bookstore will have a limited supply of hard copies. Keep in mind that students are permitted to use their text during the final exam, *but electronic devices are not be permitted*. I do have a classroom supply of older editions that student may use in class during the final exam if they only have the e-edition.

Computer Essentials:

Custom Text with MyLab It Pearson E-Text Access Card. MyLab It Pearson E-Text Access Card only for those who do not want the hard copy custom text.

Location of Classrooms:

1st Year Students: Room 328, CAST Building,
Prince of Wales Campus

Required Materials:

There are lab and field activities that require special clothing. This includes a **lab coat** (which we will supply for you). You will also need to purchase suitable gear for the field work, including **chest waders and rubber boots**. More information on obtaining these items will be sent out. When/where required as in lab environments protective masks will be supplied.

It is suggested that you also own a **good rain suit and rubber boots** for the course field work and a pair of **CSA safety-rated work boots**, which are required as per OHS Act Regulations for entrance to some industrial sites.

From Holland College

"Programs being delivered through the blended format need to provide the first 2 weeks of instruction through distance, with the face to face components starting on September 14th.

It is important you continue to monitor and check your Holland College email over the summer months for any updates from both the College and from the EAST Program.

We also continue to take direction from Holland College (under the direction of the Province of PEI) with regards to the plan for moving forward into the next academic year 2020/2021.

Bryan Grimmelt & Brian O' Neill

A handwritten signature in blue ink that reads "B. Grimmelt". The signature is written in a cursive style and is positioned above a thin horizontal line.

Environmental Applied Science Technology Learning Managers

Prince of Wales Campus, Holland College

140 Weymouth Street; Charlottetown, PEI

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