

CSIS 3475
Data Structures and Algorithms
Fall, 2019
Instructor: Michael Hrybyk
Room N5107
Section 01 Thurs 930am-1230pm

My Background

- <https://www.linkedin.com/in/michaelhrybyk>
- Retired from BCNET as the CEO
 - See <http://www.bc.net>
- Taught at Douglas since Winter, 2016
- Taught at BCIT (part time) 2000-2015
 - ELEX 8130 Data Networks
 - B.Tech Electronics Program

Contacting Me

- Blackboard
 - Individual message
 - Forum/Discussion
- Mobile Phone: 604-374-0280
- Office Hours: Wed/Thu 1230-1pm, or by appointment
- Office: N6218
- Email: hrybykm@douglascollege.ca

Course Logistics

- Everything (EVERYTHING) will be on Blackboard
 - Course Outline
 - Lecture Notes
 - Supplementary Material
 - Assignments
 - Exams
 - Quizzes
 - Grades
 - NO PAPER HANDOUTS!!!
- Discussion Forums
 - Please ask questions using Discussion Forum

Course Materials

- **REQUIRED**

- Data Structures and Abstractions with Java, 5th Edition
- Authors: Frank M. Carrano, University of Rhode Island
- Timothy M. Henry, New England Institute of Technology
- Copyright: 2019
- Publisher: Pearson
- ISBN: 9780134831691

- Other Resources:

- <https://media.pearsoncmg.com/bc/abp/cs-resources/products/product.html#product,isbn=0134831691>
- Can buy ebook here as well

- Video Notes:

- https://media.pearsoncmg.com/ph/esm/ecs_carrano_dsabjava_5/cw/

Grades

- All grading is done via Blackboard.
- Grades are weighted by type
- Assignment, Quiz, and Exam grades are posted on Blackboard as they are graded.
- Final grades are posted on Banner, but will be exactly what is listed on Blackboard

Software

- You will need:
 - A USB Drive at least 2GB in size. Bring to each class. OR Use OneDrive
 - Store term project/assignments and in-class work
 - Best to have a second for backup.
 - Use of the Douglas Computer Labs
 - Optional
 - laptop for class work and assignments
 - Desktop (for assignments only)
 - USB drive workspace should be used for both
- Software (available in labs)
 - Eclipse
 - Download installer <https://www.eclipse.org/downloads/download.php?file=/oomph/epp/2019-06/R/eclipse-inst-win64.exe>
 - Install latest release for Java Developers
 - Java Development Kit (JDK) and Java Runtime Environment (JRE)
 - Must be 1.8 u192 or later

Other Topics

- Course Outline
 - Academic Integrity
- Attendance
 - Taken at the start of each class
 - YOU MUST BRING NAME CARD TO EACH CLASS
- Use of Blackboard
 - Post a picture of yourself to your profile
 - Under Questions and Discussion -> Selfies, post a picture AND brief description of yourself
 - Please use the discussion area to post questions.
- Name Cards
 - Fill out and use for every class. Clearly mark First and Last Name in BIG LETTERS
 - Print out a new one using the tent cards word document if yours is lost.
 - You will be counted as absent if you do not display your name card.

For course success, do the following

- Before each class
 - **IMPORTANT: Read assigned chapter in the text**
 - Download class exercises and unpack
 - Open eclipse, and use the workspace directory where you have unpacked the exercises
 - all of the projects will be loaded
 - Study each project thoroughly
 - Compile and run each project
 - Read class notes
- At the start of each class
 - Make sure your name card is showing
 - Download exercises and unpack
 - Access OneDrive or USB drive
 - Run Eclipse
- After each class
 - Review all materials

Eclipse

- Follow instructions
 - How to import Java projects into an Eclipse workspace
 - Download and import Class 01 Exercises.zip
- Review how to submit a project