## BME FALL 2015 1A TEXTBOOK LIST

### Department Requirements:
2. *Introduction to Professional Engineering in Canada, 4th edition*
   - Author: Andrews, Aplevich, MacGregor, Fraser
   - Publisher: Pearson Education
   - ISBN: 9780135153604
3. *A Friendly Introduction to Numerical Analysis*
   - Author: Bradie
   - Publisher: Pearson
   - ISBN: 0-13-013054-0

### Course Requirements:

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Textbook</th>
<th>Instructor(s)</th>
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   - Authors: Margot Northey, Judi Jewinski.  
   - Publisher: Oxford University Press  
| BME 101L    | Graphics Laboratory                   | No Textbook Required                                                     | F. Kazemzadeh |
| SYDE 111    | Fundamental Engineering Math 1        | *Calculus: A Complete Course, 8th Edition*  
   - Author: Adams & Essex  
   - Publisher: Pearson  
   - ISBN: 978-0321781079 | Owen Woody |
| SYDE 113    | Matrices and Linear Systems           | *Calculus: A Complete Course, 8th Edition*  
   - Author: Adams & Essex  
   - Publisher: Pearson  
   - ISBN: 978-0321781079  
   - *Schaum’s Outlines – Linear Algebra, 5th Edition*  
   - Author: Lipschutz and Lipson  
   - Publisher: McGraw-Hill  
   - ISBN: 9780071794565  
   - *NOTE: This textbook is Recommended* | A. Scott |
| BME 121     | Digital Computation                   | *Microsoft Visual C# 2015: An Intro to Object-Oriented Programming*  
   - Author: Farrell  
   - Publisher: Nelson Education  
   - ISBN: 9781285860237 | G. Freeman |
| BME 161     | Introduction to Engineering Design    | Engineering Design: A Project-Based Introduction, 4th Edition  
   - Author: Dym, Little and Orwin  
   - Publisher: Wiley  
   - ISBN: 9781118324585 | M. Gorbet T. Willett |
| BME 181     | Physics 1 (Statics)                   | *Engineering Mechanics – Statics (5th Edition in SI Units) with Study Pack (Study Pack optional)*  
   - Author: Bedford and Fowler  
   - Publisher: Prentice Hall  
   - ISBN: 9789810679637 | J. Kofman |

*This document sets out the standards and practices that are to be followed by students when preparing reports for courses, workshops, and work terms.*