

FALL 2009 1A TEXTBOOK LIST

	<p>Department Requirements:</p> <ol style="list-style-type: none"> <i>SYDE 000 Style Manual*</i> <i>Introduction to Professional Engineering in Canada, 3rd edition</i> Author: Andrews, Aplevich, MacGregor, Fraser Publisher: Pearson Education ISBN: 9780135153604 <i>A Friendly Introduction to Numerical Analysis</i> Author: Bradie Publisher: Pearson ISBN: 0-13-013054-0 	
SYDE 101	Intro to Systems Design Engineering	J. Kofman
SYDE 101L	<p>Graphics Laboratory</p> <p>Materials Required: 45, 30, 60, and 90 degree set square, engineering metric scale, soft pencil (5B), an assortment of harder pencils (H, 3H), and erasers.</p> <p>Notes are provided and can be purchased from the Engineering Copy Center (Formerly 161 Lab)</p>	J. Lowe
SYDE 111	<p>Fundamental Engineering Math 1</p> <p><i>Calculus: A Complete Course, Seventh Edition</i> Author: Adams & Essex Publisher: Pearson ISBN: 978-0321549280</p>	B. Ingalls
SYDE 113	<p>Matrices and Linear Systems</p> <p><i>Linear Algebra with Applications</i> Author: Williams Publisher: Jones & Bartlett Publishing ISBN: 978-0763757533</p>	J. Eichel
SYDE 121	<p>Digital Computation</p> <p><i>Problem Solving with C++: The Object of Programming, 7th edition</i> Author: Savitch Publisher: Addison Wesley ISBN: 9780321531346</p>	D. Clausi
SYDE 161	<p>Introduction to Design</p> <ol style="list-style-type: none"> <i>The Mechanical Design Process, 4th edition</i> Author: Ullman Publisher: McGraw-Hill ISBN: 9780072975741 <i>Engineering Notebook**</i> 	J. Kofman
SYDE 181	<p>Physics 1 (Statics)</p> <p><i>Fifth Edition in SI Units: Engineering Mechanics Statics, with Study Pack</i> Author: Bedford & Fowler Publisher: Pearson Education ISBN Package: 9789810679637</p>	J. Zelek

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

Available from UW TechWorx in South Campus Hall. SKU # 4472226. All students are required to purchase an Engineering Notebook to be used as a logbook. **Substitutions are not permitted.

Note: Students should bring their high school math texts with them. If this is not possible, we strongly recommend acquisition of a text such as: "Pre-Calculus Problem Solver" (ISBN 0-87891-556-7). Approximate cost \$35. Or the Mathematics Resource Manual for High School Students and Undergraduate Studies.

<https://cemc.math.uwaterloo.ca/cgi-bin/WebObjects/sigma.woa/wa/bookByNumber?no=749>