

WINTER 2017

(Unless indicated otherwise, all textbooks and course notes are available from the Bookstore, SCH)

4B SYDE		
SYDE 402	Seminar <i>No text required</i>	G. Heppler
SYDE 462	Systems Design Workshop 3 <i>No text required</i>	G. Heppler

Technical Electives

SYDE 522	Machine Intelligence <i>No text required</i>	H. Tizhoosh
SYDE 544	Biomedical Measurement and Signal Processing <i>Course notes available from Bookstore (SCH)</i>	N. Jiang
SYDE 531	Design Optimization under Probabilistic Uncertainty (Optional) Applied Optimization with MATLAB Programming Author: P. Venkataraman Publisher: Wiley ISBN: 978-0470084885 (Optional) Introduction to Stochastic Programming Author: John R. Birge Publisher: Springer ISBN: 978-1461402367	Apurva Narayan
SYDE 556	Simulating Neurobiological Systems <i>Neural Engineering: Computation Representation</i> Author: Eliasmith et Al. Publisher: MIT Press ISBN: 978-0-262-550604	C, Eliasmith
SYDE 542	Interface Design <i>No text required</i>	C. Burns
SYDE 552	Computational Neuroscience <i>Theoretical Neuroscience (2001)</i> Author: Dayan & Abbott (HELD WITH SYDE 750-004) Publisher: MIT Press ISBN: 9780262541855 <i>Course Notes available from Bookstore</i>	B. Tripp
SYDE 182	Physics 2 Dynamics (for Mechatronics 4-stream) Engineering Mechanics: Dynamics, 8th Edition SI Canadian Version Author: J. L. Meriam, L. G. Kraige, J. N. Bolton Publisher: Wiley ISBN: 978-1-118-88584-0	E. Abdel-Rahman

<p>MTE 140</p>	<p>Algorithms and Data Structures <i>Data Structures and Algorithms in a Nutshell. 2016 Edition</i> Author: Wong Et Al Publisher: University of Waterloo</p> <p>(Optional) <i>Data Structures and Other Objects Using C++.</i> <i>6th edition</i> Author: SAVITCH Publisher: Pearson-Pearson Education Canada ISBN: 9780134225395</p> <p>(Optional) <i>Absolute C++. 5th Edition</i> Author: W. Savitch and K. Mock Publisher: Pearson-Pearson Education Canada ISBN: 9780132830713</p>	<p>I, Ivkovic</p>
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