Department of Mathematics & Statistics
Concordia University

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MATH 473 (MAST 666 & MAST 841)
Partial Differential Equations
Winter 2015

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Text: *Basic Partial Differential Equations* by David Bleecker and George Csordas (International Press, Somerville, 1996 or later)

Evaluation: There will be weekly assignments A, one class test T, and a final examination E. A missed assignment or test cannot be made up. The final grade will be based on the larger of $(0.1)A + (0.3)T + (0.6)E$ or $(0.1)A + (0.9)E$.

The following table gives an indication of the scope and approximate pace of the course, in terms of chapters of the text book:

Topic	Chapters	Number of weeks on topic
Introduction: 1st order equations	1 & 2	1
Heat and diffusion equation	3	3
Fourier Series	4	2
Sturm-Liouville theory	4	2
Wave equation	5	3
Laplace's equation	6	1