

DEPARTMENT OF MATHEMATICS, UNIVERSITY OF UTAH  
**PDEs for Engineering Students**  
**MATH 3150 – Section 004 – Spring 2017**  
**Homework 1**  
**Conservation and the heat equation**

**Due January 18, 2016**

---

Text: *Linear Algebra and Differential Equations with Introductory Partial Differential Equations and Fourier Series*, custom edition for the University of Utah,

Section 12.2: # 1, 2, 4, 6, 8

Section 12.3: # 1, 2