Introduction to Partial Differential Equations

1. **Course Description, Goals, and Objectives:** Students will learn about classical partial differential equations, including the Laplace, heat, and wave equations. They will employ several analytical methods, including Fourier analysis, Green’s functions, and the method of characteristics.

2. **Prerequisites:** “C” or better in MATH 2280 or MATH 3140 or MATH 3150. MATH 3210 (Foundations of Analysis I) is recommended but not necessary for this class.

3. **Lectures:** Mondays, Wednesdays, and Fridays 10:45-11:35am in LCB 222

4. **Instructor:** Sean Lawley
   - Email: lawley@math.utah.edu
   - Office: LCB 306
   - Office Hours: Wednesdays and Fridays 11:35-12:35pm or by appointment

5. **Website:** https://utah.instructure.com (Canvas)

6. **Email:** You are expected to check your official university email address daily. I frequently email important information. I also suggest having Canvas automatically email you when I post items on Canvas.


8. **Grading Policy:**

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<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Test 1</td>
<td>20%</td>
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<td>Test 2</td>
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<tr>
<td>Homework</td>
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<tr>
<td>Final Exam</td>
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9. **Homework:** Homework will be collected approximately weekly. Homework will not be accepted late. You may consult other students about homework problems, but only after you have thought hard about the problems yourself. Furthermore, each student must turn in an individual assignment written in his or her own words. When calculating final grades, I will drop each student’s lowest homework score(s).

10. **Tests:** We will have two in-class tests which are tentatively scheduled for October 6 and November 22.

11. **Final Exam:** The final exam is scheduled for Thursday, December 14, 2017, 10:30am-12:30pm in our regularly scheduled classroom.