## Partial Differential Equations

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## Contents

 $\frac{ \text{Primary Textbook:}}{ \underline{\text{Teacher:}}}$ 

## 1 Introduction

Needed - Partial Derivatives - Ordinary Differential Equations - Green Theorem, Divergence, Etc - Complex Numbers -  $\operatorname{bar}(z+w) = \operatorname{bar}(z) + \operatorname{bar}(w), \operatorname{bar}(zw) = \operatorname{bar}(z) * \operatorname{bar}(w) - z*\operatorname{bar}(z) = -z^2 = a^2 + b^2 - z^2 - 1 = a^2 + b$