Readings and Discussion Questions

Tuesday October 24

Read Chapters: $5.3, 5.4$

Discussion Questions

1. In Theorem 1 pg. 264, would it suffice to assume $u \in W^{k,p}_{loc}(U)$ to obtain the same or similar conclusions?

2. What does Theorem 4 pg. 268 imply about Theorem 3 pg. 266?

3. In Theorem 3 pg. 266, how do we obtain information about $W^{k,p}(U)$ for $k > 1$ from the assumption that ∂U is C^1?