**Virology – Biology 4310 Spring 2020**

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**Study Questions for lecture 11 – The Infected Cell**

1. What is the function of signal transduction pathways? How might viral replication alter these pathways to favor viral replication?

2. How does virus infection impair cellular mRNA synthesis, processing, and turnover?

3. How is poliovirus mRNA translated if viral infection leads to inhibition of 5’-end dependent translation?

4. What is the purpose of the cell inhibiting translation during virus infection? How is this inhibition accomplished? How is it overcome to allow viral protein synthesis?

5. How are glycolysis, fatty acid metabolism, and the TCA cycle manipulated to favor viral replication?