Learning Objectives: Injection Molding

1. Evaluate current industry processing standards and determine what practices are beneficial and sustainable

2. Demonstrate a recognition of alternate methods of injection molding

3. Recognize commonly used terminology and componentry utilized in injection molding

4. Evaluate and determine what molding machine is adequate for a specific product

5. Determine how to properly manage, prepare, and cool plastic materials throughout the injection molding process

6. Analyze the phases of the injection molding process and determine the appropriate machine settings are for each phase

7. Analyze process documentation and historical run data in order to strategically troubleshoot the molding process

8. Analyze graphical representations of the molding process for information and troubleshooting purposes

9. Apply Flow Grouping Methodology and utilize it in a scientific manner to optimize process control

10. Evaluate if an injection mold is a good match for an injection molding machine