

# Day 1 Quiz & Summary

# Day 1 Quiz

- What are the potential benefits of AM over conventional processes?
- Which process use powder material as feedstock?
- What are important considerations when down-selecting parts for Additive Manufacture?

# Day 1 Summary

Session 1 - 5 <sup>th</sup> of July, 2021	Session 3 - 12 <sup>th</sup> of July 2021	Session 5 - 19 <sup>th</sup> of July, 2021
<ul style="list-style-type: none"> <li>1. Welcome &amp; Introductions</li> <li>2. Intro Quiz</li> <li>3. Intro to Polymer Processes</li> <li>4. Process Selection Exercise</li> <li>5. Part Downselection</li> <li>6. Downselection Exercise</li> <li>7. Day 1 Quiz &amp; Summary</li> </ul>	<ul style="list-style-type: none"> <li>16. Day 2 Recap</li> <li>17. Cellular Structures: Lattices</li> <li>18. Customisation</li> <li>19. Compliant Mechanisms &amp; Metamaterials</li> <li>20. AM Process Simulation</li> <li>21. Build Prep Demo</li> <li>22. Design for Post-Processing</li> <li>23. Support Removal</li> <li>24. DfPP Exercise</li> <li>25. Day 3 Quiz &amp; Summary</li> </ul>	<ul style="list-style-type: none"> <li>31. Day 4 Recap</li> <li>32. Materials</li> <li>33. AM Cost &amp; Sustainability</li> <li>34. AM Cost Exercise</li> <li>35. Design Exercise</li> <li>36. Day 5 Quiz &amp; Summary</li> </ul>
Session 2 - 7 <sup>th</sup> of July, 2021	Session 4 - 14 <sup>th</sup> of July, 2021	Session 6 - 22 <sup>nd</sup> of July, 2021
<ul style="list-style-type: none"> <li>8. Day 1 Recap</li> <li>9. Workflow Overview</li> <li>10. DfAM Mindset: Design Thinking</li> <li>11. DfAM Mindset Exercise</li> <li>12. Generative Design &amp; Top Op</li> <li>13. Generative Design &amp; Top Op: DEMO</li> <li>14. Polymer AM Shop Floor Overview</li> <li>15. Day 2 Quiz &amp; Summary</li> </ul>	<ul style="list-style-type: none"> <li>26. Day 3 Recap</li> <li>27. Reverse Engineering</li> <li>28. Design for Manufacturing</li> <li>29. Design Buildability Exercise</li> <li>30. Day 4 Quiz &amp; Summary</li> </ul>	<ul style="list-style-type: none"> <li>37. Day 5 Recap</li> <li>38. Design Exercise Evaluation</li> <li>39. Documentation</li> <li>40. AM Future</li> <li>41. Day 6 Quiz &amp; Summary</li> <li>42. Course Survey</li> <li>43. Course Test</li> <li>44. Course Summary</li> </ul>

# Day 2

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# Any Questions...?

See you all tomorrow!