

Lab Section # _____

Last two characters of Mother's first name (e.g. Sally would be LY)	Last two characters of Birth City (e.g. Born in Atlanta would be TA)	Birth Month (e.g. Jan would be 01)	

Previous Additive Manufacturing Experience

Please answer the following questions with respect to additive manufacturing:

- I have never heard about Additive Manufacturing or 3D Printing before this
- I have some informal knowledge about Additive Manufacturing (3D Printing)
- I have received some formal Additive Manufacturing (3D Printing) Training.
- I have received lots of formal and/or informal training on Additive Manufacturing.
- I am an expert on additive manufacturing and can proficiently print parts.

How many years of experience do you have with additive manufacturing?

If you have received formal training on AM, please describe what kind and their length (e.g. Semester long course on AM)

	Strongly Disagree	Disagree	Neither Agree/ Disagree	Agree	Strongly Agree
I am <u>interested in learning</u> about Additive Manufacturing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am <u>interested in using</u> Additive Manufacturing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am <u>motivated to learn</u> about Additive Manufacturing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am <u>motivated to use</u> Additive Manufacturing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Previous Design for Additive Manufacturing Experience

Please answer the following with respect to Design for Additive Manufacturing:

- I have never heard about Design for Additive Manufacturing before this
- I have some informal knowledge about Design for Additive Manufacturing
- I have received some formal Design for Additive Manufacturing Training
- I have received lots of formal/informal training on Design for Additive Manufacturing
- I am an expert on Design for Additive Manufacturing & can proficiently design parts.

How many years of experience do you have with Design for Additive Manufacturing?

If you have received formal training on DfAM, please describe what kind and it's length (e.g. Semester long course on DfAM)

Demographics

Undergraduate Major (e.g. Mechanical Engineering)			
Year of Study (e.g. Sophomore)			
Gender	<input type="radio"/> Male	<input type="radio"/> Female	<input type="radio"/> Other
Age			

Please rate your awareness on these Design for Additive Manufacturing techniques:					
	Never heard about it	Have heard about it but not comfortable explaining it	Could explain it but not comfortable applying it	Could apply it but not comfortable regularly integrating it with my design process	Could regularly integrate with it my design process
Making products that can be <u>customized for each different user</u>	0	0	0	0	0
<u>Combining multiple parts</u> into a single product or assembly	0	0	0	0	0
Designing parts with <u>complex shapes and geometries</u>	0	0	0	0	0
<u>Embedding components</u> such as circuits in parts	0	0	0	0	0
Designing products that use <u>multiple materials</u> in a single part or component	0	0	0	0	0
Using <u>support structures</u> for overhanging sections of a part	0	0	0	0	0
Designing parts to <u>prevent them from warping</u> and losing shape	0	0	0	0	0
Designing parts that have <u>different material properties</u> (e.g. strength) in different directions	0	0	0	0	0
Accommodating desired <u>surface roughness</u> in the parts	0	0	0	0	0
Allowing for <u>minimum and maximum feature size</u> permitted by a process	0	0	0	0	0

Previous CAD experience					
Please answer the following with respect to Computer Aided Design (solid modelling):					
<input type="radio"/> I have never heard of Computer Aided Design (CAD)/ Solid Modelling before <input type="radio"/> I have some informal knowledge about Computer Aided Design (CAD)/ Solid Modelling <input type="radio"/> I have received some formal training on Computer Aided Design (CAD)/Solid Modelling <input type="radio"/> I have received lots of formal/informal training on Computer Aided Design (CAD) <input type="radio"/> I am an expert on Computer Aided Design (CAD)/ Solid Modelling					
How many <u>years of CAD experience</u> do you have?					
If you have received <u>formal training on CAD</u> (courses, etc.), please describe what kind and their length (e.g. Semester-long course)					
Please answer the following with respect to your <i>academic activities</i> :					
	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
I am good at coming up with new ideas	0	0	0	0	0
I have a lot of good ideas	0	0	0	0	0
I have a good imagination	0	0	0	0	0