

Emerging Innovators Program – Research Program

Two Semester Schedule

13 weeks per semester – 1 class per week - 3 hours per class

Note: Lesson plans will not be distributed to students. Students will receive reference materials and outlines that are needed for successful completion of all activities.

Semester 1	
Week #	Subject
1	Analytical Writing
2	Analytical Writing
3	Analytical Writing
4	Analytical Writing
5	Biomimicry
6	Biomimicry
7	Biomimicry
8	Green Chemistry
9	Industrial Designing
10	Research Article – Topic Selection Process
11	Research Article – Background research
12	Research Article – Background Research / Introduction with Question
13	Research Article – Introduction with Question
Semester 2	
Week #	Subject
1	Research Article – Solution Scope – Define / Identify / Integrate
2	Research Article – Solution Scope – Define / Identify / Integrate
3	Research Article – Solution Scope – Define / Identify / Integrate
4	Research Article – Biological Inspirations – Discover / Abstract Design Strategies
5	Research Article – Biological Inspirations – Discover / Abstract Design Strategies
6	Using Industrial Designing Principles – Solution Design Illustrations
7	Using Industrial Designing Principles – Solution Design Illustrations
8	Research Article – Solution Design - Flowchart
9	Research Article – Solution Design - Flowchart
10	Research Article – Solution Design – complete write-up
11	Research Article – Abstract – complete write-up
12	Research Article – Next Steps: Preparing for Prototype / Discussion – Complete write-up
13	Research Article – Complete ALL Sections– Title / Author / Table of Contents/ Acknowledgements / References and ALL sections of the Research Article must be completed thoroughly