SYLLABUS FOR FROM PROTOTYPE TO FABRICATION:
PLANNING FOR MASS PRODUCTION

Instructor: Sarah Krasley
Days and Times: Thursdays, 6:30 PM-9:00 PM
Location: ITP NYU 721 Broadway at Waverly, 4th Floor
Texts: Making It: Manufacturing Techniques for Product Design
Manufacturing Processes for Design Professionals (Optional)

This 2-pt class is designed to help students learn a strategy to transition their prototypes into finished products and learn about common manufacturing production technologies. The vocabulary learned in this course will put students in good standing to work in start-ups, product design, creative agencies, and for brands post graduation. By the end of the course, students will have a working Bill of Materials, Request For Quote, and cost estimate that they can use to contract a manufacturer to produce their product (though it is not required to actually go through with it! 😊).

Based on the prototypes presented in the first class, I will tailor the lectures to cover the materials and production techniques required to make them.

Pre-requisites: Students who sign up for this class must have a working prototype for which they want to use to hypothetically or actually schedule production.

Grading: Students will be evaluated on the completeness of their final project, attendance, and class participation.

COURSE OUTLINE

Week One: Introductions, Expectations, & Student Presentations of Prototypes

Week Two: Bill of Materials

Week Three: Plastics Production

Week Four: Electronics, Sourcing, & Regulatory Compliance (Guest Speaker)

Week Five: Metals, Woods, Ceramics & Requests For Quotes

Week Six: Producers’ Auction

Week Seven: Final Project Presentations