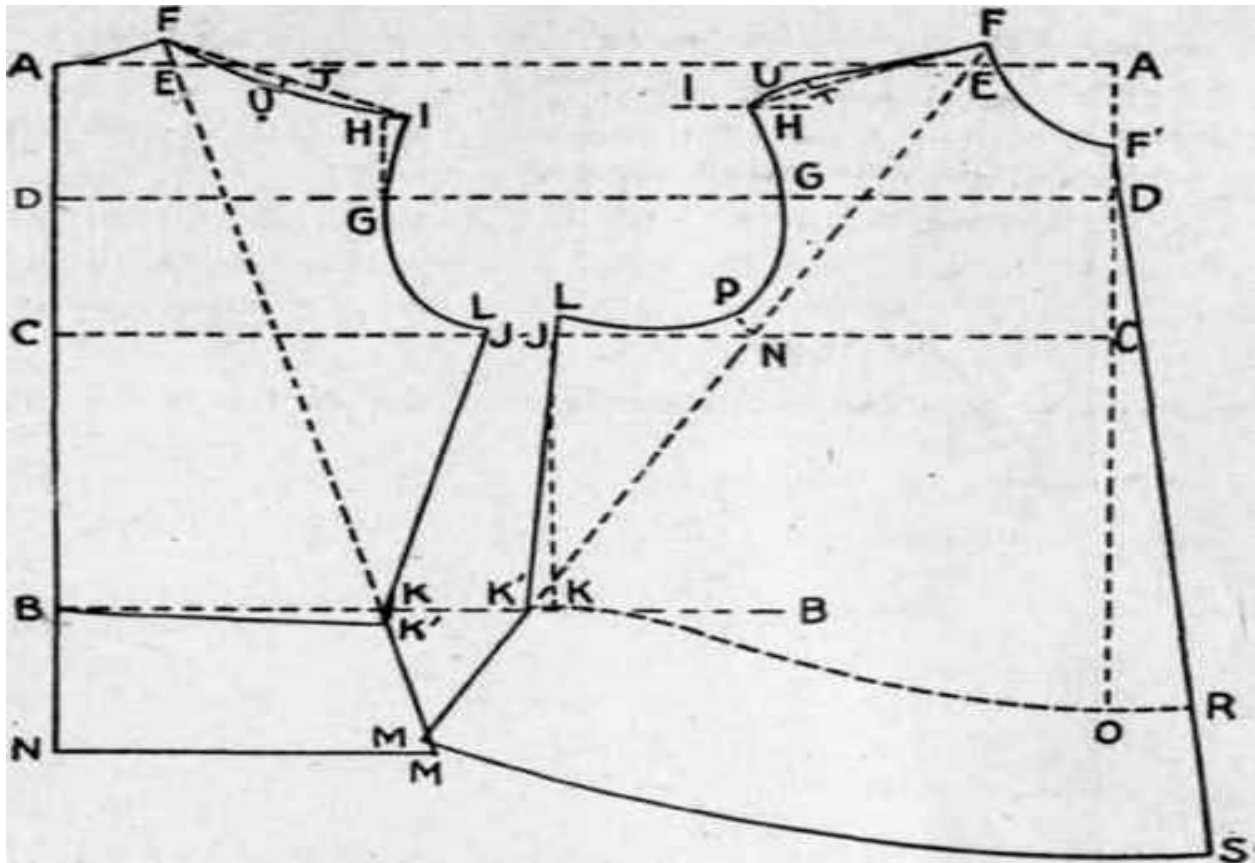


**COMMONS COURSE: PATTERN FORMATIONS**  
**INSTRUCTOR: SUNG HO KIM**



This course develops 2 dimensional constructions into 3 dimensional spatial forms by articulating mathematical process and geometric configurations. This course focuses on detailing and assembly technologies that will allow each student to develop various prototypes through flat sheet materials (chip board, styrene and aluminum). The projects are formulated through multiple module units that repeat and alter through connections.

Pattern Formations is a course developed for students who are interested in geometric constructions and digital production. This course is for students interested in design, sculpture, architecture and digital media by enhancing 3D technologies and allows each student develop abstract thinking and making processes.

- WEEK #1: RHINO Tutorial
- WEEK #2: Digital Modeling and Unrolling Process
- WEEK #3: Developing Laser Cutting Tutorial Files and Pattern Making
- WEEK #4: Laser Cutting Files
- WEEK #5: Refining Systems
- WEEK #6: Construct Pattern Model from Styrene
- WEEK #7: Refining Systems
- WEEK #8: Developing Connections
- WEEK #9: Developing Color Patterns
- WEEK #10: Construct Pattern Model from Aluminum
- WEEK #11: Construct Pattern Model from Aluminum
- WEEK #12: Final Drawings

