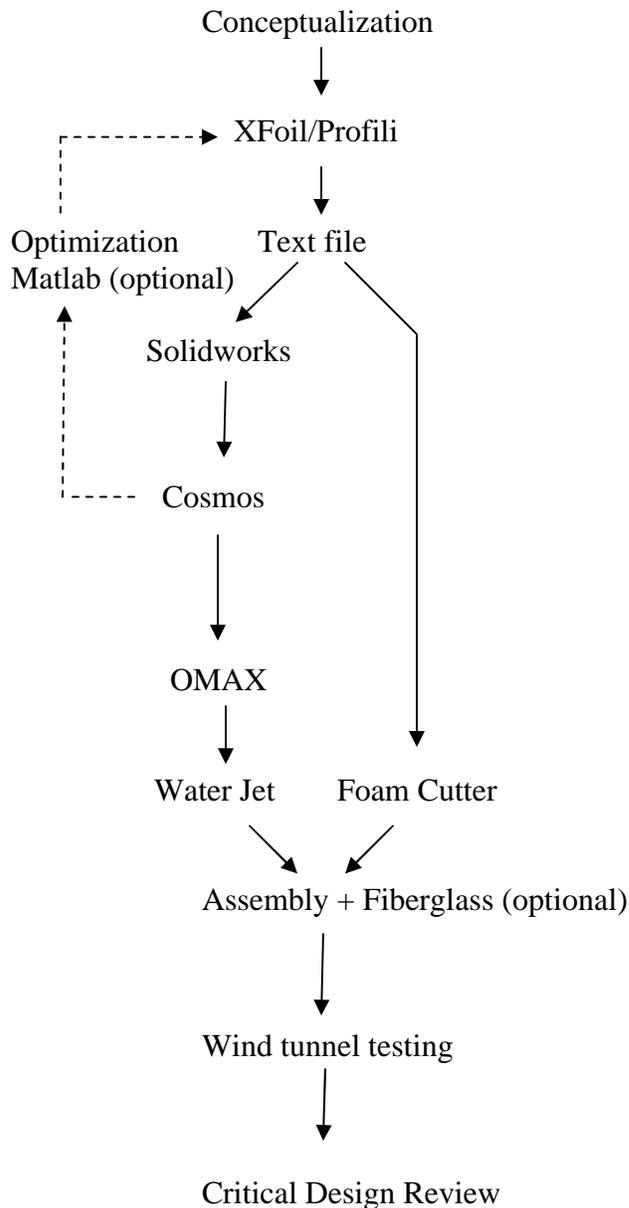


### Design Flow Chart



### Deliverables Checklist

- (A) **Hand Sketch**  
Due: 6 Jan, 1p.m.
- (B) **2-D Airfoil Section Drawing/Analysis (2pg)**  
Due: 11 Jan, 1p.m.
- (C) **Initial 3D CAD model of Assembly (2pg)**  
Due: 13 Jan, 1p.m.
- (D) **Final 3D CAD model + FEA analysis + Airfoil Analysis (4pg)**  
Due: 18 Jan, 1p.m.
- CAM file
- Foam wing, struts
- (E) **Completed Assembly + Manufacturing report (1pg)**  
Due: 20 Jan, 1p.m.
- (F) **Testing, Validation & Cost Estimation report (2pg)**  
Due: 25 Jan, 1p.m.
- (G) **CDR Slide Package + Reflective Memo**  
Due: 27 Jan, 1p.m.

Software Requirements: Xfoil/Profili (2D airfoil design/analysis)  
Solidworks (CAD)  
Cosmosworks (FEA)  
OMAX (CAM)

Hardware Requirements: Waterjet (OMAX files)  
Foam cutter (txt files)

Materials:	Qty	(24)	20"x20"x 1/8" thick plate (Aluminum)
		(24)	20"x10"x 1/4" thick plate (Aluminum)
		(24)	0.5" thick, round hollow rod (Aluminum)
		(12)	Blue-foam (2"x 20"x 40" sheets)
		(x)	Fiberglassing material
		(x)	Hardware (bolts, etc)