

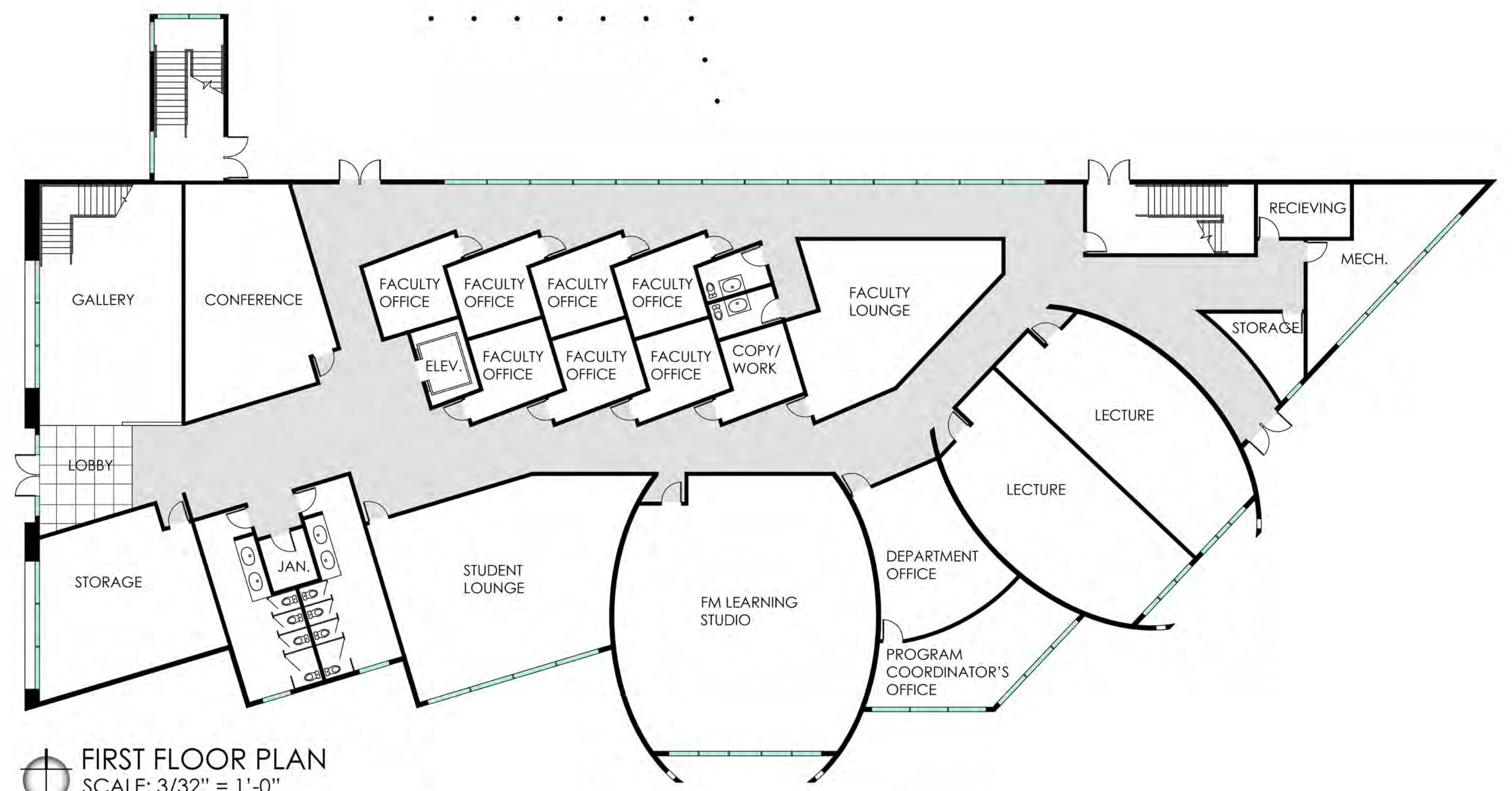
CENTER FOR THE BUILT ENVIRONMENT
ARCH 341 - ARCHITECTURAL DESIGN 1
FERRIS STATE UNIVERSITY
FALL SEMESTER 2013
PROFESSOR D. NAGELKIRK



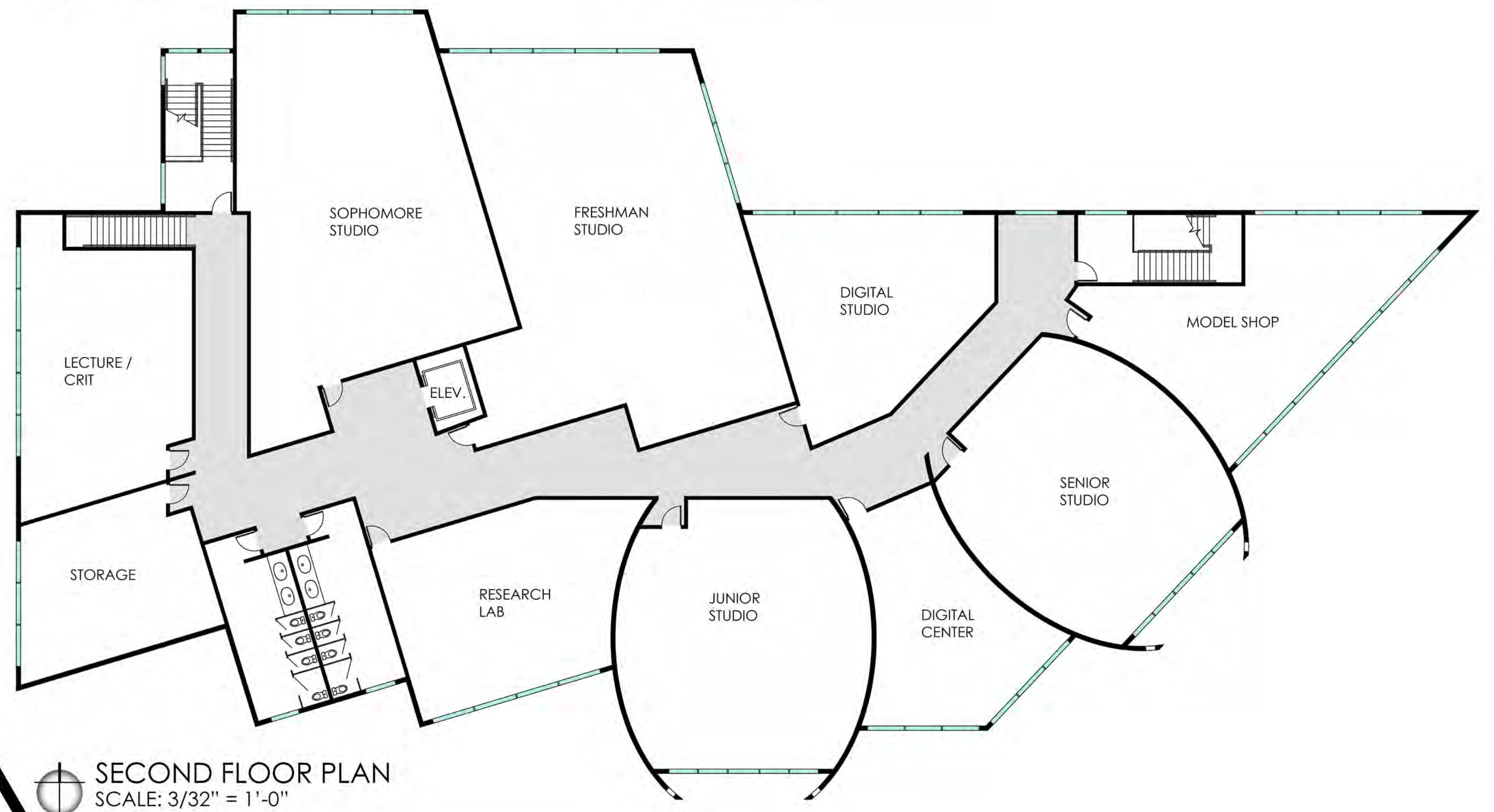
SITE PLAN
 SCALE: 1" = 30' - 0"

The conceptual design of the Center for the Built Environment investigates the idea of **CUTTING-EDGE**. Cutting-Edge represents: 1) the cutting-edge technology of architectural education, and 2) the cutting-edge use of architectural form in materials. The footprint of the building was designed to abstractly represent the tip of a knife to also coincide with the concept of cutting-edge. Additionally, the concept is reinforced with angled and jagged interior and exterior vertical planes. The building is oriented on the site to follow the curvature of Campus Dr. Along this south face, two dominant cylindrical forms signify the importance of education through their contrasting forms and the placement of the design studios within these forms.

The sustainable design strategies that are fulfilled throughout this project vary but all help to make this building work efficiently allowing for an environmentally friendly building. First, one of the most important sustainable features of this building is that the use of local or recycled building materials were used whenever possible. Second, the positioning of the windows on the southern face of the building optimize passive solar strategies to minimize the heat gain throughout the building. Additionally, there are operable windows for natural ventilation with fitted glass. Lastly, throughout the building the restroom fixtures are water efficient.



FIRST FLOOR PLAN
 SCALE: 3/32" = 1'-0"



SECOND FLOOR PLAN
 SCALE: 3/32" = 1'-0"