



KUMC ORR MAJOR GROSS ANATOMY PROGRAM STATEMENT

The Orr Major Building program statement was initiated for the purpose of providing state-of-the-art teaching laboratory space for surgical skills and anatomy training. Existing surgical skills laboratory space is spread throughout multiple buildings and does not accommodate a desired shared resource model. Existing anatomy laboratory space is past its usable life span and does not provide adequate ventilation for students and professors within the space. The existing anatomy laboratories are made up of multiple smaller spaces that are not conducive to the large classroom environment that is desired.

Three options for construction are identified in the study, all of which outline multiple ways to achieve a first phase of renovation for Orr Major. Each option suggests locating air handling equipment for the 4th floor program spaces in a mechanical penthouse on the roof. This approach will free up much needed space within the building for teaching and demonstration. We proposed locating the mechanical penthouse in a way to best utilize the existing concrete frame.

The proposed Surgical Skills and Anatomy spaces have been planned to promote flexibility in class size as well as technology utilization. Movable wall systems are shown that allow Surgical Skills to be subdivided into as many as six spaces that function independently from one another. The Anatomy Laboratory is sub-dividable into three different spaces that are configured with identical functionality. Each of the student stations have overhead boom systems for high quality lighting as well as specific audio visual and equipment requirements. Support space for each teaching laboratory is identified on the 4th floor immediately adjacent to the laboratories. Additional support space for briefing and debriefing has been accounted for and is shown as an optional 3rd floor renovation.

LOCATION: Kansas City, Missouri

PROJECT TYPE: **Collegiate
Science + Research**

SERVICES:

**Architecture
Mechanical Engineering
Electrical Engineering
Structural Engineering
Laboratory Planning + Design**

Additional Photography

