

Meeting Minutes



Architecture Engineering Planning Interiors

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Meeting Date November 2, 2016
To Brad Muehling
From John Badami
Location UNL – 114 Othmer Hall
Project UNL- College of Engineering Programming
Project No. 10-15209-21
Attendees **DLR Group:** John Badami, Ken West, Mark Brim
RFD: Terry Brown
UNL FPC: Brad Muehling
UNL COE: Jeff Shield, Ben Terry, Michael Sealy, George Gogos
Purpose Department Workshop #1 Mechanical

Action Items

Minutes

Confirmed Spaces Currently Occupied

Reviewed teaching vs. research labs

700 undergrads
130 grads
37 research

1200 undergrads in 10 years
250 grads 10 years
37 research 10 years

Research – need more lab space, they cannot accommodate new hires for lab space.

Classroom space 80-100 students per section.

Projected needs – need classrooms for 60 or more booked solid all day every day.

Two 80-100 student lecture hall would be great.

Need for 35 student classrooms

10 is the small classroom size.

Collaborative teaching spaces are in great need.

They need someplace for students to work on projects, clubs, senior design space.

Aero Space Club

They have space in building C for the baha project, three blocks away, they would love to have it in the engineering complex.

Teaching Lab Space

Groups of 3 to 4 working together, bench space, 5 or 6 in a room. For the controls lab, Oscilla scope, computer, need storage of projects. Classroom of less than 40 is ideal. With maker space around the perimeter. Storage for groups and materials.

Manufacturing Lab with stations with several printers, at different

stations. Printers are getting heavier 10,000 lbs for some pieces near a high bay door. They can be vibration sensitive.

Thermal Fluids Lab – power and energy pieces of equipment, compressor, HVAC unit, diesel engine 50 hp, for teaching only. 12 students work in groups of 3 or 4.

A classroom nearby to support these labs is good. Students will give an oral presentations is good also for 60-70 students and small classroom space is good also.

Look in the basement of Othmer at the new machine shop. One space is enough to support MM.

University of Alabama has just gone through a multiple phased lab renovation is a unique to look at.

Space lacking is hoods and biosafety space. Fume hoods are very precious.

Appearance and identity, seeing the work being done. Excitement walking through the building.

3D metal printing is great to be on display and would e a great showpiece.

Project space where students can work on projects and can show off their work. (engineering projects center)

First floor shops and upper level design and ideation collaboration spaces.

Teaching by whiteboard and tablets and how we use them in the future. Facilitating technology for teaching., lighting, multi-and screen.

Looking ahead at distance learning with Omaha is something to look at for the future. For classrooms you could telecommute to handle the need and demand.

Look at the existing classroom renovations done currently and what you can do better.

Looking at ways to use technology to deal with columns etc.

Testing Center would be great.

Classroom size is at full capacity now so projecting 50% growth is critical. Growing at 5% per year now.

Class size depends on the course. 80-100, 30-40, 10-20.

This group will provide a class breakdown of class size for DLR. Classrooms 357, 318, 129, 241, Othmer 106, sometimes in

Jorgensen.

Would like to send all 70 students to a testing center.

Windows are very important, for faculty and graduate offices.
Lab space in the center and grad offices on the perimeter.

Conference rooms are in high demand. Only 3 now and they need more for 8 to 10 people.

End of Meeting