

# 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:** Henk Viljoen, Sri Kidambi, Mona Bavarian  
Purpose Department Workshop #1 – Chemical & Biomolecular Engineering

## Action Items

Minutes

### **Confirmed Spaces Currently Occupied**

Reviewed teaching vs. research labs

Teaching Lab is limiting the amount of students they can have at this time. 12 to 15 students at one time. 6 hours for each (2) sessions. Experiments run even when students are not there. Each experiment takes two weeks to complete.

Numbers have been increases. They are limited to 80 students tops in the teaching lab is the bottle neck for future students. Enrollment is 120 freshman 350-400 total student enrollment.

16 Faculty

30 Grad Students

Both will increase 4 faculty

10 Post Docs

Grad student program is where the Chancellor wants to see growth.

4 more faculty in the next 10 years

Student enrollment to grow by 40% - 550

Grad Students 80

Post Docs 220

Need 120 size classroom size there is no capacity in the current building.

Junior level would be 60 student size or look at multiple sessions.

Need computer room space for students to use after hours.

Eventually students could load on their lap tops.

### **Labs**

Biosafety Level 3 & 4 is what they will primarily be looking at.

The need for fume hoods is great.

Current size of the labs is not convenient with locations of the computers.

Facility will need to accept catwalks.

Pilot plant will be outside of the typical themes.

The Harvard Biomedical design was done very well.

Things change constantly in their labs so flexibility is very important.

The ability to move the fume hood around would be great.

Henk will send out a request to faculty on spaces they think are good examples.

Biofuels at ISU example

Bench space it what they require in new lab space for new faculty to do research.

11 research faculty that trend will continue in the future.

500 -750 SF per faculty lab space.

Bench researcher needs 6 foot of bench space per researcher.

1200 SF is a good median to use as a benchmark.

What would activate this complex?

Visibility inside and out between floors would be great.

Coffee Shop

Good research labs would be a great help

Glass window to look into the labs would be great.

This is the highest salary for students once they graduate has been a draw.

They have a tutoring program for Chem E.

It would be helpful to have an animal spend the night but they cannot take it back so they need to store the animals.

**End of Meeting**