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About DBR

DBR provides MEP, building commissioning, integrated technology and sustainability consulting services with a focus on energy-efficiency and building performance. Founded in 1972, DBR currently employs over 120 people and is recognized as a forward-thinking firm by proactively identifying opportunities and investing in proper planning for the future.

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LABORATORY DESIGN & ENERGY CONSERVATION

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Description:

An introduction and survey of major energy users in laboratory infrastructure design and common sense ways to ensure a safe lab environment while minimizing energy costs. Topics covered are: Basic Types of Laboratory Space; Largest Energy Usage in Laboratory Space; Safety Concerns for a Safe Laboratory Environment; Governing Codes and Standards for Laboratory Space Design; and a General Design Approach for Energy Efficient Laboratory Space.

Learning Units:

1 LU

Learning Objectives:

- Identify basic types of lab spaces.
- Understand the largest energy users in lab spaces.
- Understand the basic code and standard drivers for lab ventilation.
- Identify basic approaches to conserving energy in laboratory spaces.