

From Classroom to Innovation: The Role of UG Research in Shaping the Power and Energy Landscape

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Rationale behind UG Research in Energy Tech

- ❑ Recent grants under the BIL, ~ \$76 billion
- ❑ Louisiana is energy-centric
- ❑ Gap between industry needs and graduates with the right skills
- ❑ Innovation & creativity are key elements of future energy systems
- ❑ Real-world Relevance making the class more enjoyable



My Experience with CURE/MURE

- MURE's Impact on Research Labs
- MURE can be Challenging to Manage
- CURE and Broader Impacts
- CURE and Evaluation

Evidence-Based Strategy

What we need
to know



Memorize it



Working on a
problem to
apply what we
learn

Starting with a
problem

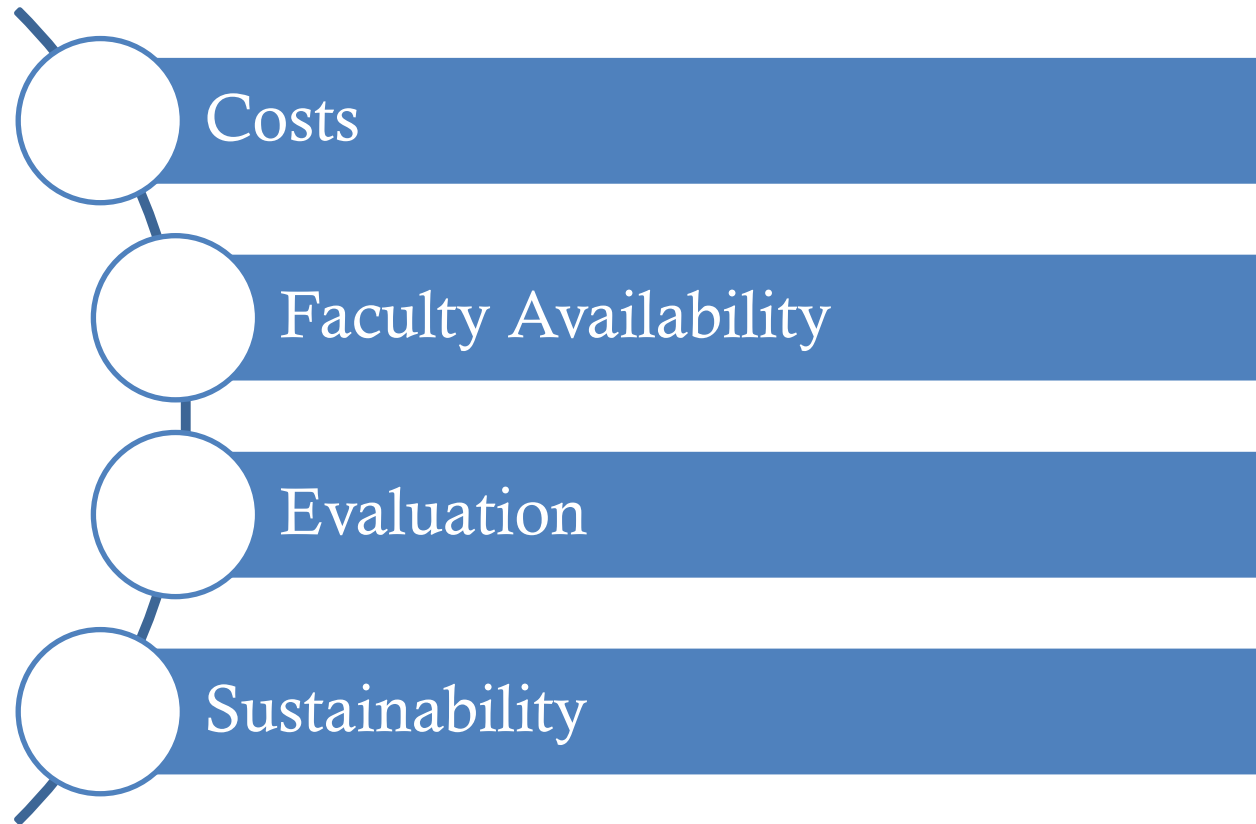


Identify what
we need to
know/learn

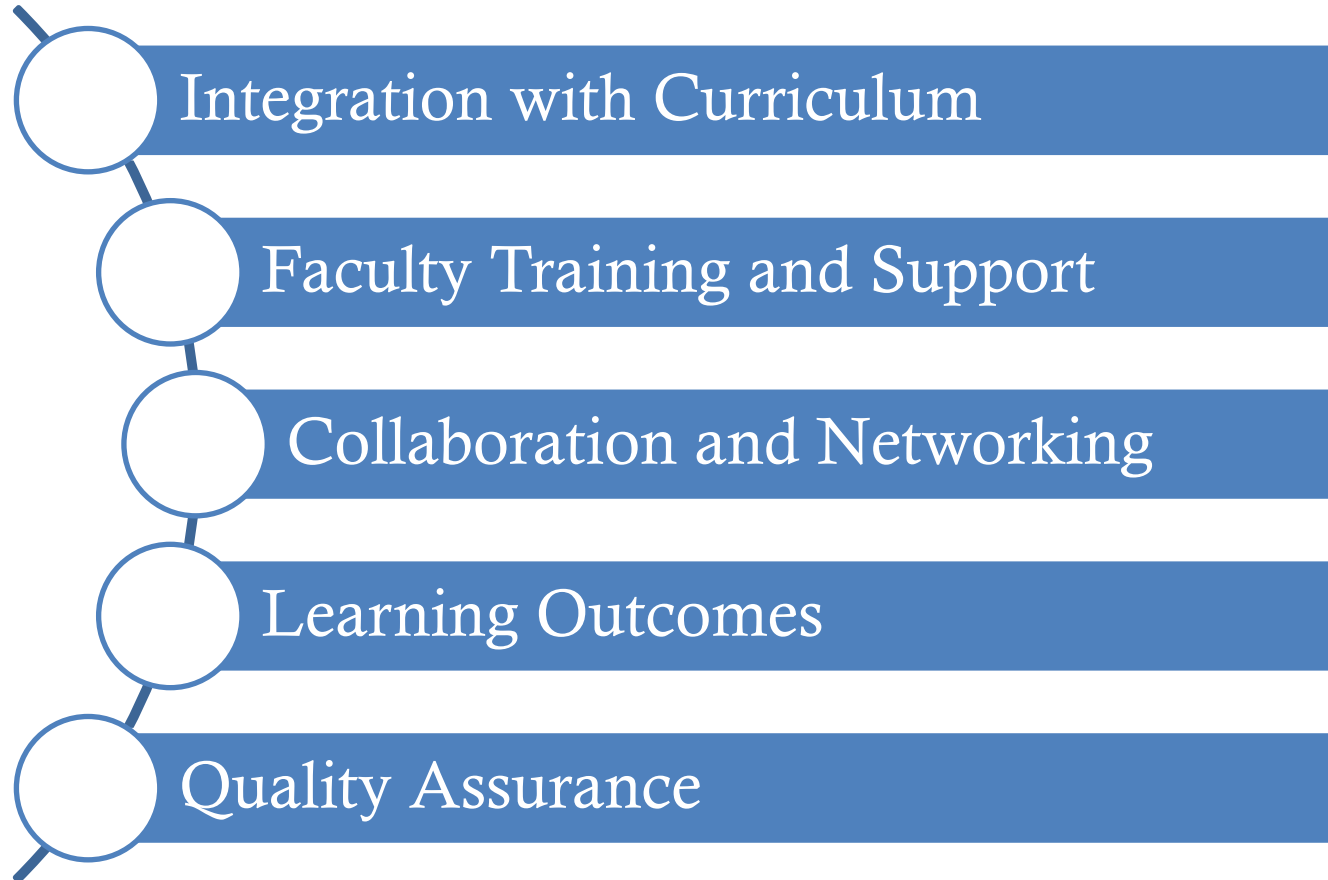


Learn & Apply

Challenges/Limitations



Implementing CURE



Conclusion and Future Directions

- UG Research is an evidence-based practice
- It has benefits/challenges
- With respect to CURE: It Depends!
- SWOT Analysis can help to better shape
UG research programs at UL