

Engineering Education Research Fundamentals Certificate

Description

With the support of the Thorsen Excellence in Engineering Research (TEER) Program, the College of Engineering, and MSU's Center for Faculty Excellence, the Montana Engineering Education Research Center (MEERC) is offering a series of workshops during AY 17-18 to help engineering faculty be better prepared to perform Engineering Education Research (EER) and pursue EER related grant funding. Those faculty who attend / view all workshops and meet the other criteria outlined below will earn a certificate that provides evidence of their activities to prepare for performing meaningful research in Engineering Education. The certificate can be included in annual review and promotion and tenure materials as well as in applications for teaching awards.

Faculty will earn the certificate after:

- Attending seven MEERC workshops during AY 17 – 18. Workshops will occur in September – November and January – April. Topics will include:
 - Formulating EER Questions
 - Theoretical Frameworks for Education Research
 - Basic EER Methods, Study Design and IRB Considerations
 - Using Qualitative and Quantitative Data for EER
 - EER Funding Sources
 - EER Proposal and Manuscript Writing
- For interested faculty who cannot attend all workshops, they can view a recording of the workshop and then complete the workshop exercises with a MEERC research mentor.
- Complete a reflective paper (1 – 2 pages) describing how the workshops have prepared them to engage in EER along with an NSF style one-page project summary for an EER project that will be submitted for funding.

For questions, or to arrange EER mentorship, please contact MEERC Associate Directors Paul Gannon pgannon@montana.edu or Bill Schell wshell@montana.edu

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