

NSF Grant Project Sharing

What is the name of your grant?

Completing the Curriculum in Manufacturing Eng'g Technology

What problem are you solving?

We are addressing the need of manufacturing educators to stay current and relevance to high tech manufacturing in today's global economy

What are the key deliverables?

1. Completion of 39 curriculum modules
2. Longitudinal evaluative research study
3. Dissemination of project results

How are you organized and who is involved with your grant?

We are a national center and have 5 PIs: Monica Pfarr, Shep Anderson, Jim Houdeshell, Gilah Rittenhouse, and Bob Mott (University of Dayton)

We also have grant-funded employees: Catherine Crowley, Derek Hardin, Deb Lukjanovs and Faith Leeper

What results have been produced to this point?

1. A novel pedagogy for manufacturing engineering technology
2. Faculty development workshops
3. Individual curriculum modules

What is currently occurring?

1. We are completing the development of the remaining 6 modules
2. We are completing the longitudinal evaluation study by HEERG (Higher Education Evaluation Research Group)
3. We have planned presentations/exhibits at Innovations 2004, AACC 2004, NISOD 2004 and Conference on Teaching and Learning.

What 2-3 things are you really proud of from your grant that others could use?

1. Positive relationship with NSF, considered a resource to other projects/centers.
2. Actively engaged PIs that are well aware of all activities, meeting regularly and cohesively doing all the work.
3. Effective dissemination of our results.

What 2-3 lessons learned would you like to share that would be helpful to others?

1. Maintain communication with your program officer
2. Grant funds can be redirected for activities outside the original project scope. This requires formal approval and a submission via Fast Lane. Caution: The approval process through NSF can be very lengthy- so be prepared!

What major issues/challenges are you facing that you need advice/help?

Sustainability of the activity through institutionalization, continued funding, or other activities.