



RAMP

Research Administrators Management Program



Larisa Oktyabrsky *NCSU Centers and Institutes*

Centers and Institutes

Objectives

- What are Centers and Institutes (CIS)
- Why do we have them
- How they are different from departments
- How they contribute to knowledge advancement
- Links to Useful information



Centers and Institutes

Different types of Centers on campus

- McKimmon Center (a building)
- NCSU Women's Center (a program)
- WolfCopy Center (service centers charging fee for providing a certain service)
- Centers as Organized Units



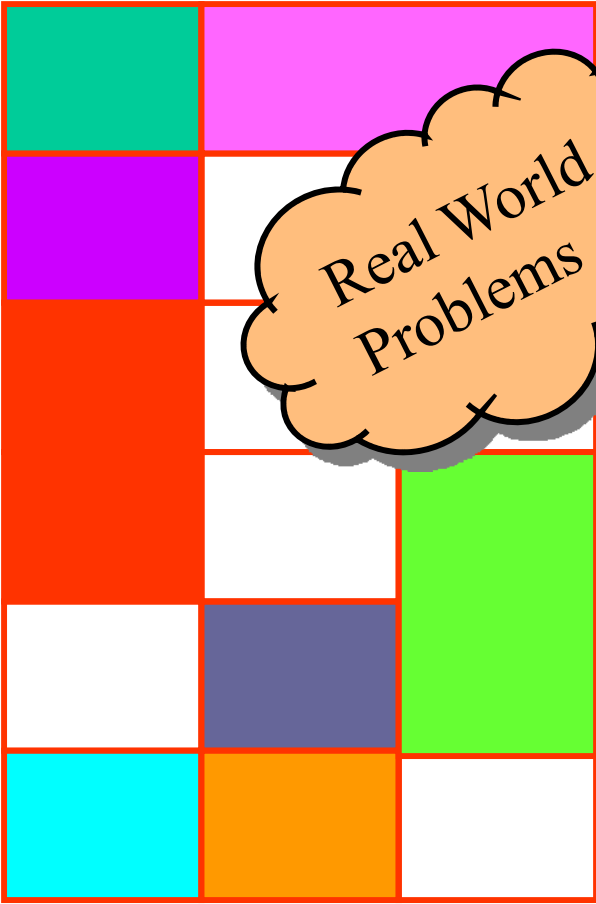
Centers and Insitutes

Centers vs Departments

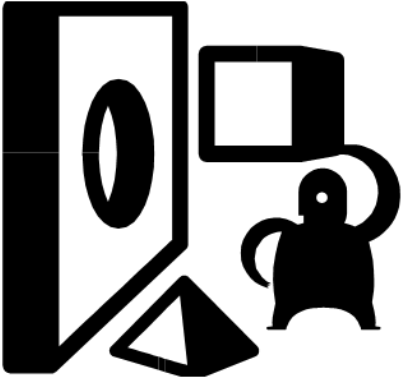
- The primary UNIT of organization at the University is a Department
- Departmental activities and funding are discipline-driven and discipline-related (Chemistry, Literature, Biology etc)



A College With Departments



Real World Problems



Centers and Institutes

Centers vs Departments

- How can we combine the interdisciplinary activities on campus?
- By creating a new separate Organized Unit - a CENTER
- Center's activity is problem-driven, task-driven, research-driven
- From highly divisible organization by departments to multidisciplinary and cross-campus activities in the Centers



Centers and Institutes

Centers vs Departments

Center's activity is more effective than departmental due to:

- Multidisciplinary staffing
- Ability to handle large-scale, interdisciplinary, task-related projects
- Mutually beneficial cooperation with industry



Centers and Institutes

Creation of multidisciplinary Centers is widely supported by Federal agencies

NSF funding programs for

- Industry/University Cooperative Research Centers (I/UCRC)
- Engineering Research Centers (ERC)



Centers and Institutes

Benefits to Industrial Sponsors

- Structure represents a compromise between corporate and academic norms for conducting research
- Combined funding leverages the ability for high quality applied research
- Allows to equally share in IP
- Provides access to enhanced knowledge in the interdisciplinary areas of research



Centers and Institutes

Educational benefits for students

- Advanced training in emerging high technologies
- Access to methodologies that are complimentary or outside of specialized disciplines
- Skills and knowledge acquired in interdisciplinary area eliminate the need for additional post-graduate training
- Assure supply of future employees for the particular interdisciplinary industry



Centers and Institutes

Some Examples

CIMS – Center for Innovation Management Studies in COM
“graduated” from NSF support to self-support through industrial membership

FREEDM – The Future Renewable Electric Energy Delivery and Management Systems NSF-supported ERC in COE, created in 2008

NCRC – Nonwovens Cooperative Research Center in COT is a national leader in its field, one of the best examples of industry-university “win-win” partnership in the country; In 2007 NCRC gradually expended into

NWI – NonWovens Institute



Centers and Institutes

Institute as an Organized Unit

- Is designed to facilitate multidisciplinary activities at a much larger scale than a Center
- Is characterized by greater involvement of the faculty
- May create Centers as administrative units within its own structure



Centers and Institutes

Institute as an example of research-driven multidisciplinary unit

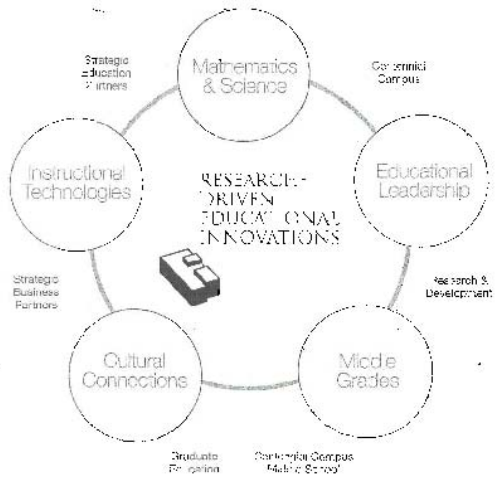


Figure 1. Multidisciplinary Research Collaborations

Friday Institute for Educational Innovations involves faculty from 4 colleges: CED, CHASS, PAMS, COE

Centers and Institutes

Institutes at NC State

WRRI - Water Resources Research Institute

ITRE - Institute for Transportation Research and Education

KIETS - Kenan Institute for Engineering, Technology and Science

IMSEI – Integrated Manufacturing Systems Engineering Institute

IS – Institute of Statistics

IEI- Institute for Emerging Issues

FRIDAY Institute for Educational Innovations

IAA – Institute for Advanced Analytics

NWI – Nonwovens Institute

IMST – Institute for Maintenance Science and Technology

INPREE – Institute for Nonprofit Education, Research and Engagement (established in March 2009)



Centers and Institutes

- Nation-wide tendency to create more Centers and Institutes
- Creation of Multidisciplinary units might become the direction for the future development of the Departments
- About 60 established Centers and Institutes on campus along with several new units in planning stage
- CIS play important and active role in accomplishing University mission via partnership



Centers and Institutes

Act like Departments in the area of Research Administration:

- Submit proposals
- Receive funding from Federal, State and Industrial Sponsors
- Have separate post-award accounting under their own OUC (Organizational Unit Code)



Centers and Institutes

Centers and Institutes have a specific feature differentiating them from Departments:

Center/Institute may become a Sponsor of Internal projects at NC State



Centers and Institutes

Useful links

<http://www.ncsu.edu/sparcs/centers>

Webpage provides information about

- NCSU Policy for Centers and Institutes
- List of all CIS existing on campus
- Access to CIS Management Guide with a number of sample documents



Centers and Institutes

Contact Information

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Internal Awards

- For step-by-step assistance with processing Internal award see Standard Operational Procedure (SOP) at <http://www.ncsu.edu/sparcs/sops/internals.doc>
- Contact Stefanie Saunders at SPARCS for help with initiating Internal Distribution Request in RADAR
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