

	<p>COLLEGE OF HEALTH AND PUBLIC AFFAIRS Department of Public Administration</p>	
<h2>Emergency Management and Homeland Security Programs at UCF Partnership Perspective</h2>		
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<p>FEMA EMI Emergency Management Higher Education Conference, June 3, 2008</p>		

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### Introduction

- Partnership perspective
  - Social capital
  - Relationship building
- Program development
- Recruitment
- Curriculum
  - Collaborative teaching & learning
  - Service learning
  - Guest speakers
  - Research projects

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### Dynamic Context of Disaster Requires

- Multi-sector collaboration
- Rapid comprehension of danger
- Rapid search, exchange, and absorption of information across many agencies (boundary spanners)
- Capacity to anticipate spread of risk and devise strategy for action
- Require integration of multiple agencies, jurisdictions into a functioning response system

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## FRP/NRP/NRF & Partnerships

- A comprehensive, all-hazards approach
- Strong emphasis on coordination and integration at all levels of government
- Nonprofit organizations (NVOAD) in NRF
- Partnerships between private organizations, nonprofits, and individual citizens

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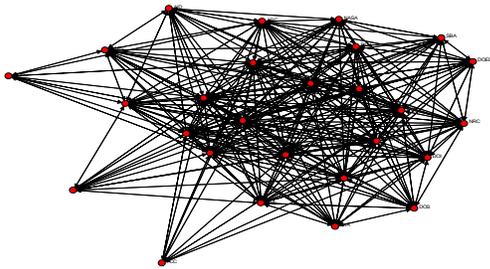
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## Networks in Federal Response Plan



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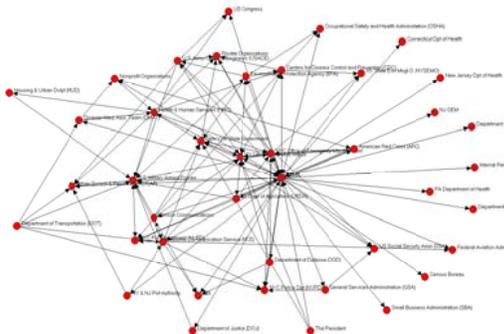
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## Organizational Network, FEMA



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## Graduate Certificate in EMHS

### Group 1 – Planning Emphasis

PAD 5336 Urban Design  
PAD 5338 Land Use and Planning Law  
PAD 5356 Managing Community and Economic Development  
PAD 6353 Environmental Program Management Research  
CGN 6655 Regional Planning, Design, and Development

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## Graduate Certificate in EMHS

### Group 2 – Management & Policy Emphasis

PAD 5142 Nonprofit Organization  
PAD 6037 Public Organizations Management  
PAD 6387 Transportation Policy  
CCJ 6021 Criminal Justice Responses to Terrorism  
HSA 5198 Health Care Decision Sciences & Knowledge Mgmt .  
INR 6136 Seminar in American Security Policy  
INR 6071 Seminar in Weapons of Mass Destruction

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## Collaborative Learning

- Collaborative learning refers to an instruction method in which learners at various performance levels work together in small groups toward a common goal
  - Active class contribution
  - Work with other students on projects during class
  - Work with classmates outside of class
  - Participate in a community-based projects
  - Discuss ideas from readings/classes with others
  - Involvement and experience
  - Ability to learn from peers

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## Collaborative Learning

- Collaborative learning supports modern paradigms on learning:
  - Deeper level learning (Biggs 1987)
  - Shared understanding/knowledge (Mulder, Swaak, & Kessels 2002)
  - Critical thinking (Bullen 1998)
- Combined with an authentic context:
  - Social construction of knowledge (Jonassen 1992, 1994)
  - Competence-based learning (Keen 1992)

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## Hierarchical vs. Collaborative Model

### *Hierarchical Model*

- Teachers detain knowledge while students consume knowledge
- Instructional methods based on memorization of information and individual study

### *Collaborative Model*

- Students and teachers are, at the same time, producers and consumers of knowledge
- Instructional methods based on teams of students working together toward a common goal

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## Collaborative Learning Activities

- Discussions
- Games/Simulations
- Case studies
- Discussion groups
  - Response papers
- Brainstorming
- Group projects
  - Service-learning projects

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## Basics of Network Measures

- Centrality
  - Degree
  - Closeness
  - Betweenness
  - Flow Betweenness
- Cliques & Sub-groups
  - N-cliques
  - N-Clans

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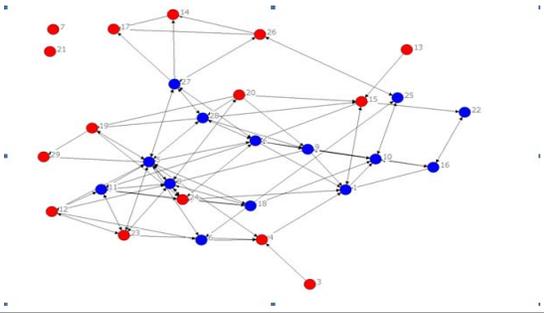
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## Friendship Analysis (Before)



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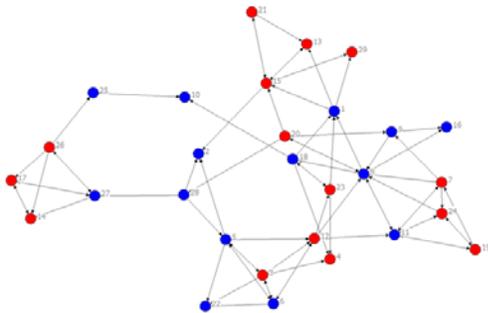
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## Work Network (Before)



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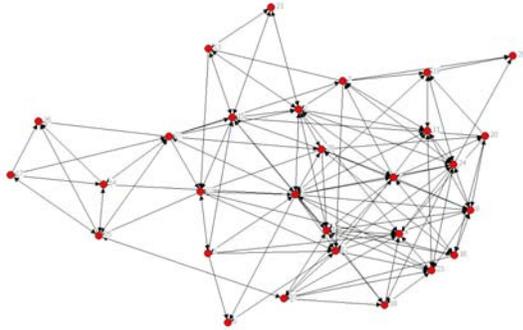
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### Friendship Network (After)



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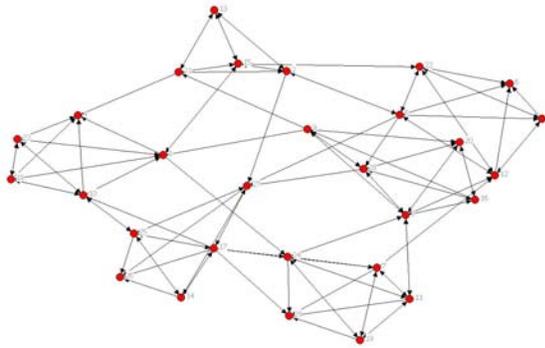
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### Work Network (After)



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### Conclusion

- In the network model the entire community becomes engaged in an informed process of risk reduction and response
- Advanced technologies can be used to build “intelligent communities” that will recognize and response to extreme events quickly and interorganizational efforts coordinated
- Students may learn more from interacting with other students than listening to instructors
- One of the best methods of gaining clearer, long-lasting understanding is explaining to someone else

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Thank you ...



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