

Welcome

ELC 2011

Interdisciplinary and Interprofessional Teaching, Research and Practice

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Teaching, Research and Practice
Washington, DC September 10-13, 2011



Education Leadership Conferences

- Provide a forum
- Promote a shared disciplinary identity
- Impact public policy

ELC 2001

Rethinking Education in Psychology and Psychology in Education

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Education Leadership Conferences

- 2003: Creating a Voice for Education in Psychology: Accountability, Assessment and Advocacy
- 2004: Applying Psychological Science to Education in Psychology
- 2005: Dialogues on Diversity: Individual, Organizational and Epistemological
- 2006: Promoting Excellence: Using Assessment to Enhance Teaching and Learning



Education Leadership Conferences

<http://apa.org/ed/governance/elc/index.aspx>

- 2007: Sharing Psychology: Its Role in Education for Other Professions
- 2008: Internationalizing the Psychology Curriculum
- 2009: Preparing Tomorrow's Health Workforce
- 2010: Psychology and Lifelong Learning

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Advocacy

- Hill visits are critical
- “Super Committee”
- New Members



Don't forget...



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Need for Coherent Voice

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Major Issues

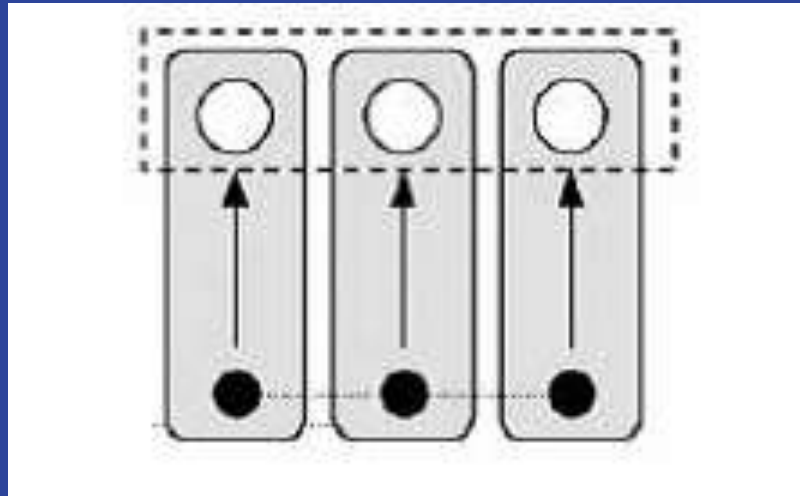
- Promote psychological literacy
- Advance psychology in health
 - As a discipline and as a profession
 - Identity of health service psychologists

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Multidisciplinary

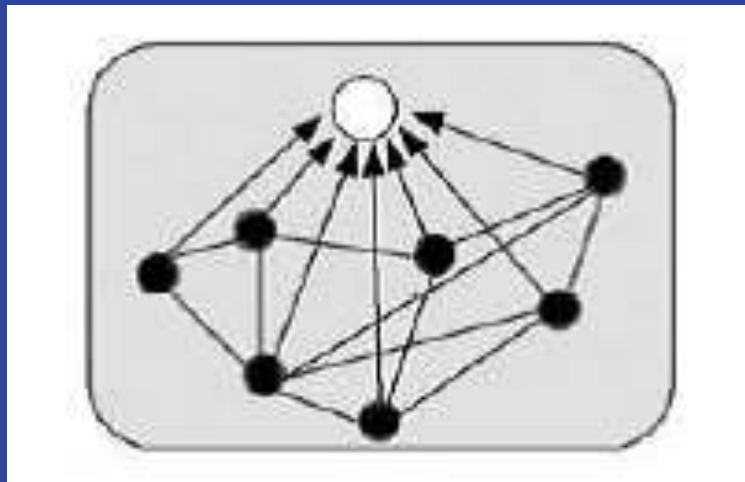


Tress, Tress & Fry, 2003

Interdisciplinary Research

“Interdisciplinary research is a mode of research by teams or individuals that integrates information, data, technique, tools, perspectives, concepts and/or theories from two or more disciplines or bodies of specialized knowledge to advance fundamental understanding or to solve problems whose solutions are beyond the scope of a single discipline or field of research.” (COSEPUP, 2005)

Interdisciplinary



Tress, Tress & Fry, 2003

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Expansion in Knowledge

- Increase in number of departments in universities
- Increase in number of professional societies
- Increased specialization

“The world has problems,
but universities have departments”

Brewer, 1999

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Academia

- Centers
- Splitting indirect costs
- Roving professors
- Cluster hiring
- Course credit sharing
- Research hotels
- New curricula/degree programs

Journal of Psychology: Interdisciplinary and Applied (1935)



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Current Journals

- *Experimental and Clinical Psychopharmacology*
- *Journal of Neuroscience, Psychology and Economics*
- *Journal of Occupational Health Psychology*
- *Journal of Theological and Philosophical Psychology*
- *Psychology, Public Policy, and Law*

Arizona State University Department of Psychology

<http://psychology.clas.asu.edu/node/768>



McBeath & Okun (2010)

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The graph displays a complex network of research topics. The 'Psychol' node is a central hub, with a large red arrow pointing towards it from the left. Other prominent clusters include 'Medicine' (with sub-nodes like Oncol, Immun, Pathol, Dentist, Parasit, Vet Med, Micro, Viro, Dairy, BioChem, Nutr, Hemat, Resp, Rheum, Urol, Onco, DERM, Pathol, Dentist, Parasit, Vet Med, Micro, Viro, Dairy, BioChem, Nutr, Hemat, Resp, Rheum, Urol, Onco), 'Earth Sciences' (with sub-nodes like Plant, Ento, Micro, Viro, Dairy, BioChem, Nutr, Hemat, Resp, Rheum, Urol, Onco), 'Chemistry' (with sub-nodes like Chem Eng, P Chem, Polymer, CondMat, Mech Eng, Constr, MatSci), 'Physics' (with sub-nodes like Nuc, Astro, Stat, Mgmt, Comm, Geogr, Int'l Rel, Econ, Hist, Comp Sci), 'Math' (with sub-nodes like Appl Math, Robot, Elect Eng), 'Social Sci' (with sub-nodes like Sociol, Educ, LIS, Mgmt, Comm, Geogr, Int'l Rel, Econ, Hist, Comp Sci), and 'Comp Sci' (with sub-nodes like Robot, Elect Eng, Nuc, Astro, Stat, Mgmt, Comm, Geogr, Int'l Rel, Econ, Hist, Comp Sci). The graph also shows many smaller, less dense clusters of related topics.

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Psychology **is** a hub science.

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Growth of Interdisciplinary Team Science

NSF Total Funding

	1982	2010
Single investigators	88%	38%
Multiple Investigators	12%	62%

NIH Roadmap for Medical Research

Impact of Generative Technologies



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Facilitating Interdisciplinary Research

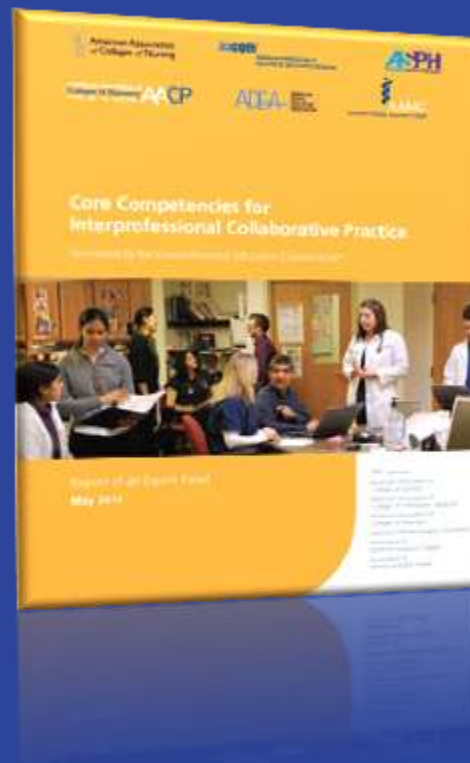


COSEPUP, 2005

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Interprofessional Practice



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Ethics Code

- *“Psychologists consult with, refer to, or cooperate with other professionals and institutions to the extent needed to serve the best interests of those with whom they work.”* (Principle B: Fidelity and Responsibility)
- *“When indicated and professionally appropriate, psychologists cooperate with other professionals in order to serve their clients/patients effectively and appropriately.”* (Standard 3.09: Cooperation with Other Professionals)

Major Reports

- IOM (1972). *Educating for the Health Team*



- Pew Health Professions Commission

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Major Reports



IOM, 2000



IOM, 2001

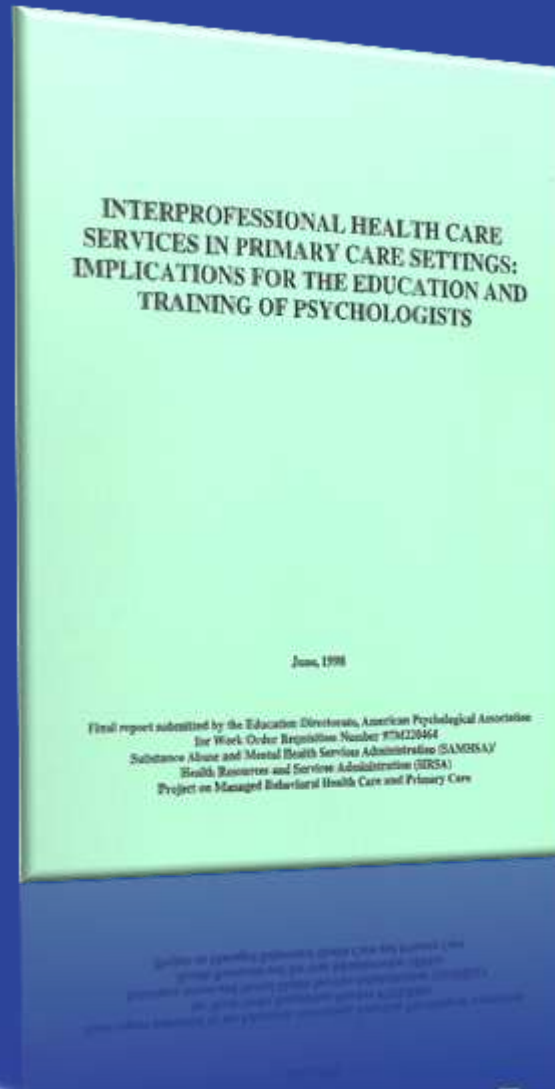


IOM, 2003

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APA SAMHSA/HRSA Report (1998)



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Interprofessional Professionalism Collaborative

<http://interprofessionalprofessionalism.weebly.com>



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Interprofessional Education

“When students from two or more professions learn about, from and with each other to enable effective collaboration and improve health outcomes” (WHO, 2010)

Interdisciplinary Teaching and Learning

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Signature Pedagogy (Shulman)

- The signature pedagogy of the 21st century is “*discovery centered, interdisciplinary integrative, translational and contextual.*” (Youatt and Wilcox, 2008)
- Interdisciplinary T&L is important in all higher education.

Interdisciplinary Teaching and Learning

American Association of Colleges and Universities (AAC&U): Initiatives to engage students as integrative learners drawing on multiple bodies of knowledge.

Introductory psychology course

Workforce Development

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Unresolved Issues

- For what?
- When?
- How?
- By Whom?
- In what context?

Interdisciplinarity is a 21st Century
imperative.

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Thank you

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