

# Experimental and Data-Intensive Social Sciences, Related Areas within Psychology and Management

Milt Hakel

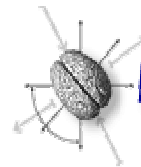
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# Key Challenges in Management Education

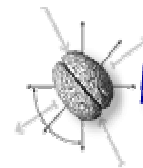
- Graduates are weak in the “soft” skills—leadership, working in teams, social interaction
- Graduates are narrowly trained specialists, unable to integrate their technical knowledge to solve practical problems
  - Porter & McKibben, 1988



# Business Education: Version 1.0



Release date: Harvard Business School, 1908



APPLYING THE SCIENCE OF LEARNING

# Key Questions

- *Who* is learning?
- Who is learning *for*?

# What Should a Liberally Educated Person Be Able to Do?

# What ARE the core abilities that education should foster?

- Critical and constructive thinking
  - analysis, synthesis, problem solving, judgment, decision making
- All facets of communication
  - write, present, read, listen, information literacy, numeracy
- Social interaction
  - influence others, participate in groups and teams, and lead in diverse settings and cultures



# On the Folly of Rewarding “A” While Hoping for “B”

Stephen Kerr



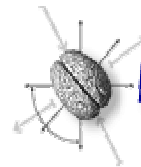
*Just Imagine...*

Every Student

Gives a

Commencement

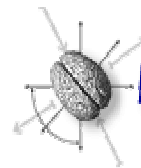
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APPLYING THE SCIENCE OF LEARNING

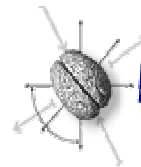


[www.alverno.edu](http://www.alverno.edu)



APPLYING THE SCIENCE OF LEARNING

Learning goes  
beyond knowing  
to being able to *do*  
what one knows



# Electronic Portfolios

- Students create, edit, and upload examples of their best performances for regular review, anytime, anywhere
- Both baseline performance and the *cumulative* record of development will be easily retrievable by students themselves, advisors, instructors, and other authorized university staff members





# ePort Desired Features

- Easy use (add new materials, new users)
- Access anywhere, anytime via a web connection
- Include audio and video files
- Under joint control, and in institution's possession
- Sophisticated security and access permissions
- Search by title or any indexed attribute
- Trace cumulative patterns of learning
- Compare portfolios of many students
- Scaleable



# FFalcon.with.BGSU.edu

Address  http://ffalcon.with.bgsu.edu/index.aspx  Links

**EPortfolio**  
BGSU

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Use the Login button below to authenticate to your ePortfolio Control Center.


**Favorites**

Freddie and Frieda Falcon Reunion  
Be Freddie -- sample application



**Freddie Falcon**   Last Modified: 8/7/2003

[\[More Info\]](#)

 No Video

**About Me**


On January 16, 1950 the first Freddie Falcon, Bob Taylor, appeared at the BGSU-Ohio basketball game. I've been flying around this place ever since, hoping to graduate some day.

**Academic Goals**

At this point I am majoring in University Studies. Being a friendly bird at heart, I want to inspire BGSU students to soar high. The sky is the limit!

Send Me A Quick Note

Use the below field to send a quicknote to **Freddie Falcon**. Please include your name and contact information with your message.



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# MHakel.with.BGSU.edu

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## EPortfolio BGSU

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### Help

#### Bookmarks

- Epsilon Portfolio Information Center
- Springboard
- Assessment Committee
- Society for Industrial-Organizational Psychology
- Google Search
- Professional Organizational Development Network
- Reinvention Center Conference
- BGSU Search

Use the Login button below to access your portfolio control center.

Login



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Last Modified: 10/14/2004

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PSYC

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 [Play Video](#)

#### About Me

Ohio Board of Regents Eminent Scholar in Industrial and Organizational Psychology; Fellow of the Society for Industrial and Organizational Psychology, the American Psychological Society, and the American Association for the Advancement of Science. [\[More...\]](#)

#### Academic Goals

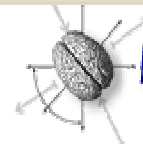
Discover how to foster learning that lasts, and implement programs that support durable learning. The electronic portfolio is a key enabling technology to do this.

#### Send Me A Quick Note

Use the below field to send a quicknote to **Milton D. Hakel**. Please include your name and contact information with your message.

Name:  Message:

Done Internet



APPLYING THE SCIENCE OF LEARNING

# National Coalition for Electronic Portfolio Research

- Organized by AAHE and the Pearce Center at Clemson Univ.
- The initial cohort has 10 members:

Alverno College

Bowling Green

IUPUI

LaGuardia

Mississippi State

Northern Illinois

Portland State

Stanford

Virginia Tech

Washington



# Concerning Technology

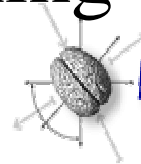
- New technology will bring the downfall of the educational system
- Tremendous controversy about the use of written records in teaching (5<sup>th</sup> century B.C.)
- Use of writing “will create forgetfulness in the learners’ souls, because they will not use their memories....”

– Socrates, in *Phaedrus*



# Learning-Centered Institutions

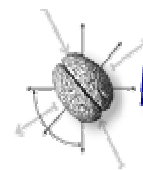
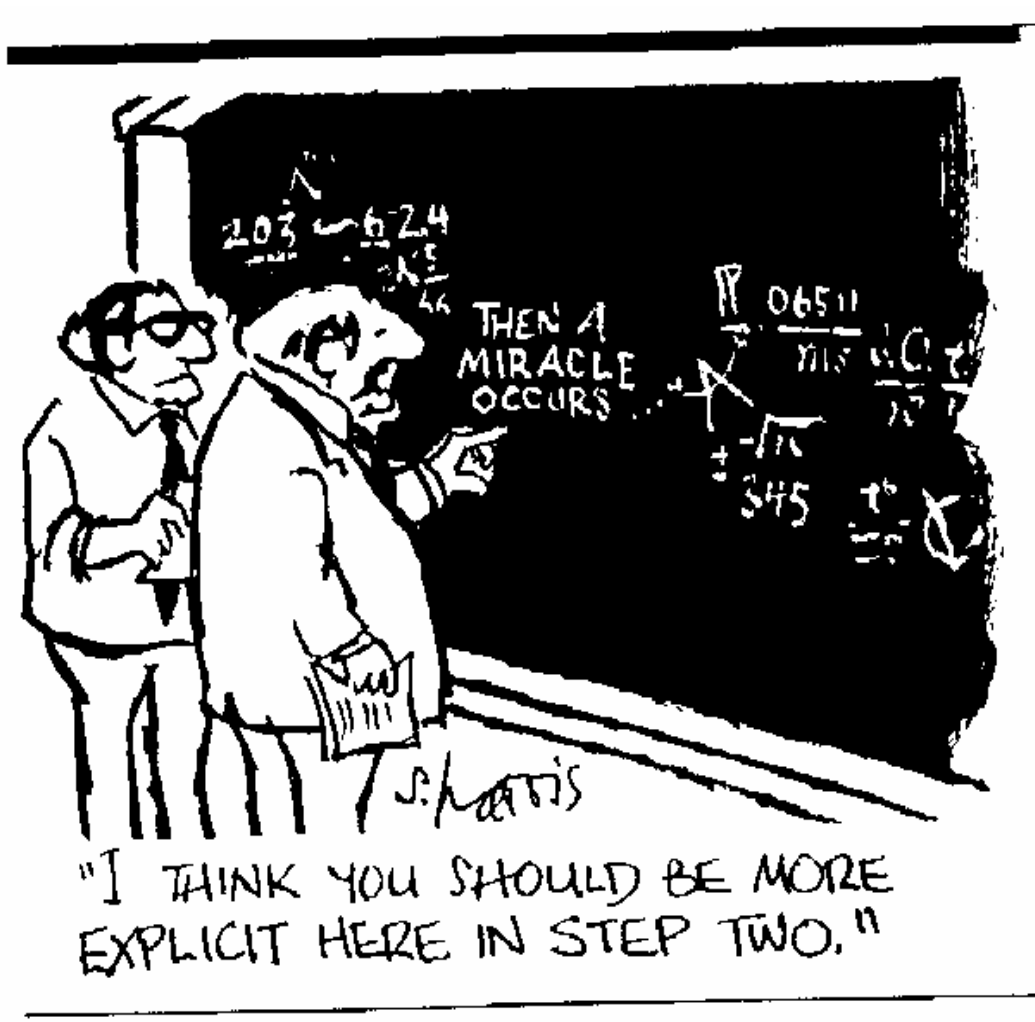
- Achieve clarity about learning outcomes
- Coordinate teaching and assessment to promote student learning
- Align structures and resources to serve student learning
- Work continuously to improve the environment for learning



# Three Recommendations

1. Focus on how learning is demonstrated.
2. Explore how technology can aid students in learning and in documenting their learning.
3. Enlist students in providing the leverage for institutional change.





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