

Centre of Evidence-Based Practice

Talks on Evidence-based Practice and Research

13 Jun 2017

Research Complex

Hong Kong Shue Yan University



Hong Kong Shue Yan University
Institutional Development Scheme



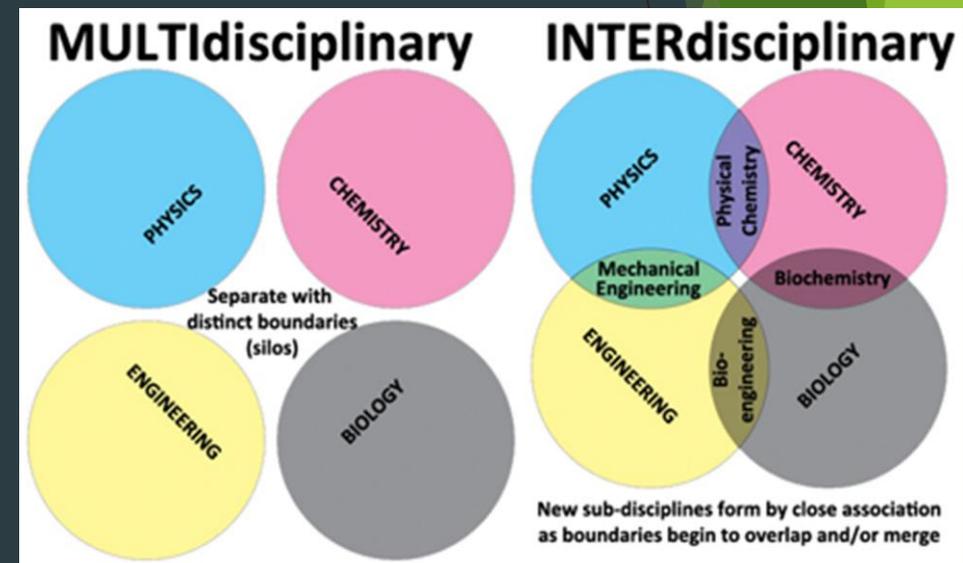
Centre of Interdisciplinary Research in
EVIDENCE-BASED PRACTICE

Interdisciplinary Research

“Breakthrough innovation occurs when we bring down boundaries and encourage Disciplines to learn from each other.”

Gyan Nagpal

- ▶ A mode of research by teams or individuals that integrates information, data, techniques, 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 area of research practice
- ▶ Now receives a great deal of attention because of the **rich, creative contributions** it often generates.



Interdisciplinary Research

- ▶ But a host of factors - **institutional**, **interpersonal**, and **intellectual** - also make a daunting challenge of conducting research outside one's usual domain.
- ▶ Because most participants in interdisciplinary ventures were trained in traditional disciplines, they must learn to **appreciate differing of perspectives and methods**.
- ▶ The most important obstacles and challenges faced by interdisciplinary activities in the past two decades can be divided into "**professional**", "**organizational**", and "**cultural**" obstacles.



Brain-based Teaching & Learning

- Cognitive psychology
- Education psychology



Decision Making

- Game theory
- Consumer Behavior



Negotiation & Persuasion

- Mediation
- Psychotherapy



Life & Health Science

- Mental health & psychosocial support
- Family & community



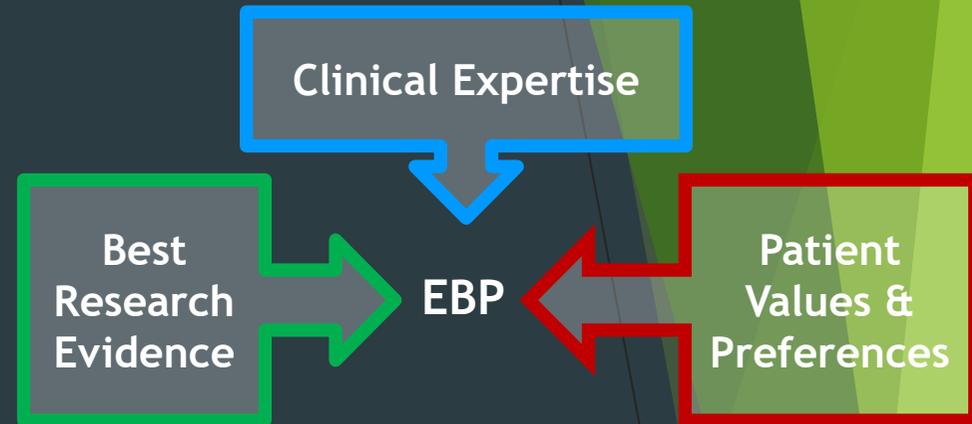
Sustainable Development

- Air quality and pollution
- Social science survey research

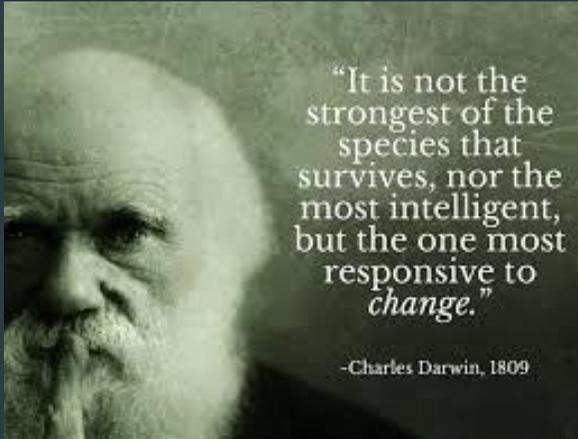


Evidence-Based Practice

- ▶ The GOAL of EBP is the **integration** of:
 - (1) clinical expertise/expert opinion,
 - (2) external scientific evidence, and
 - (3) client/patient/caregiver valuesto provide high-quality services reflecting the interests, values, needs, and choices of the individuals we serve.
- ▶ Conceptually, **the trilateral principles** forming the bases for EBP can be represented through a simple figure
- ▶ Because EBP is **client/patient/family centered**, a clinician's task is to interpret **best current evidence from systematic research** in relation to an individual client/patient, including that individual's preferences, environment, culture, and values regarding health and well-being.
- ▶ Ultimately, the goal of EBP is providing optimal service to that client/patient. Because EBP is a continuing process, it is a dynamic integration of ever-evolving clinical expertise and external evidence in day-to-day practice. (American Speech-Language-Hearing Association)



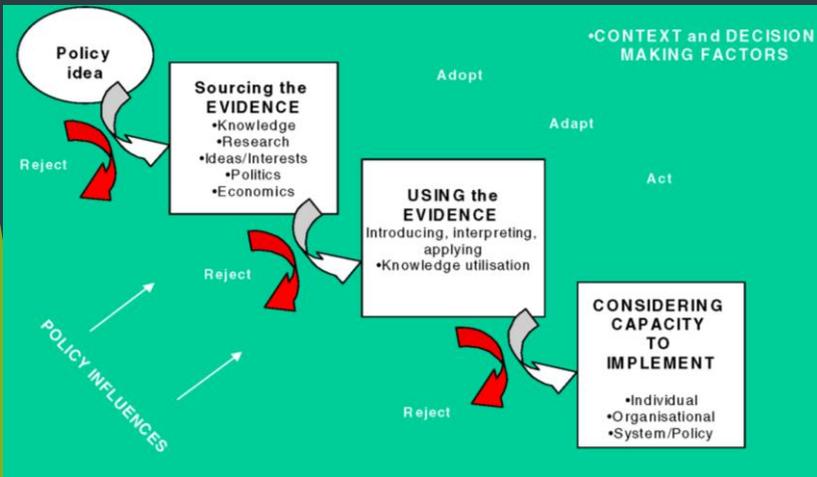
Why Evidence-based?



There are some people in politics and in the press who can't be confused by the facts. They just will not live in an evidence-based world. And that's regrettable.

- Hillary Clinton -

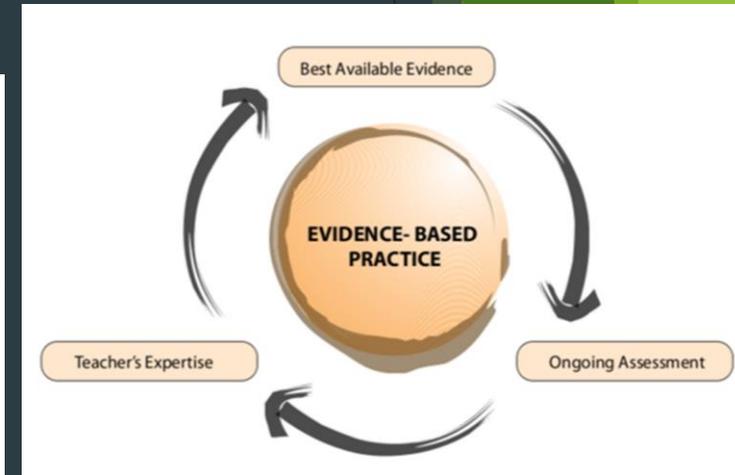
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Policy Management



Health Care



Education



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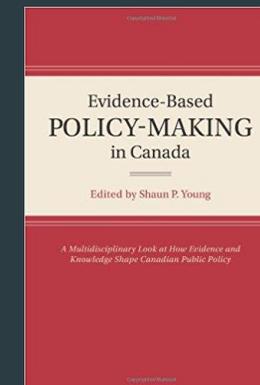
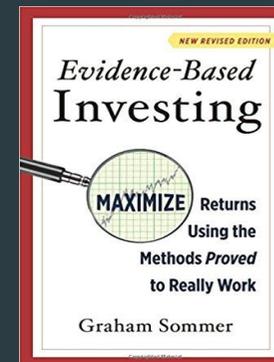
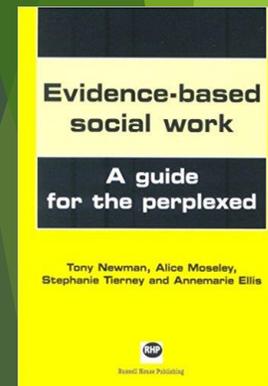
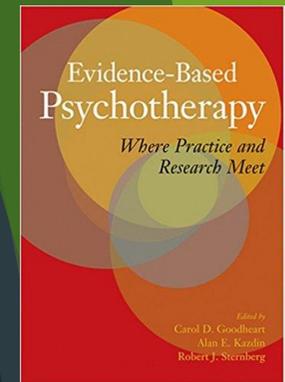
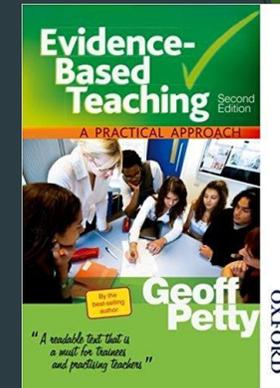
Evidence-Based Practice

The 5 Steps



Evidence-Based Practice Examples of Reference Material

- ▶ Evidence-Based Teaching: A Practical Approach (Geoff Petty)
- ▶ Evidence-Based Psychotherapy: Where Practice and Research Meet (Goodheart, Kazdin, Sternberg)
- ▶ Evidence-based Social Work: A Guide for the Perplexed (Tony Newman, Alice Moseley, Stephanie Tierney, Annemarie Ellis)
- ▶ Evidence-Based Policy-Making in Canada (Shaun P. Young)
- ▶ Evidence-Based Investing (Graham Sommer)



Institutional Development Scheme (IDS) Projects at Shue Yan



Hong Kong Shue Yan University
Institutional Development Scheme

- ▶ Aims at developing the research capacity of the institutions in their strategic areas
- ▶ To best leverage the academic expertise and existing research resources in Shue Yan
- ▶ Currently carrying out two IDS projects alongside the holistic research development of Shue Yan

First Project on: Interdisciplinary Research

- ▶ The three-year project commenced in January 2015. As its name **‘Constructing An Interdisciplinary Research Platform At Hong Kong Shue Yan University’** suggests, the project builds and operates a platform that promote and conduct interdisciplinary research activities. This platform is a **‘space for grow and change’**.

Second Project on: Evidence-Based Practice

- ▶ This project namely **‘Further Enhancement of Interdisciplinary Research at Hong Kong Shue Yan University through the Establishment of the Centre of Interdisciplinary Research in Evidence-Based Practice’** commences in early 2017 and run until the end of 2019.
- ▶ It emphasizes an applied research perspective and focuses on **evidence-based practice**. The scope of research will be extended to cover more inter-disciplines across professional and practical subjects such **as business administration, counselling, journalism and social work**.

All members in the Shue Yan community including **academics, students and alumni** are encouraged to participate in the platform and events and **get inspired by and learn from** ample scholarly insights and interesting ideas in research, particularly in evidence-based and the booming interdisciplinary fields such as **neuroscience, decision science and strategic behavioral science**.



Hong Kong Shue Yan University
Institutional Development Scheme



EBP
Centre of Interdisciplinary Research in
EVIDENCE-BASED PRACTICE

Centre of Interdisciplinary Research in Evidence-Based Practice (CEBP)

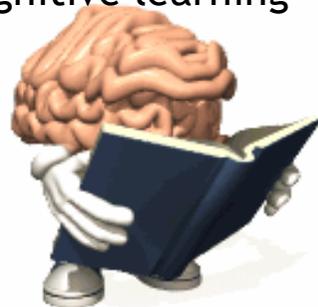
CEBP will reinforce the academic standing of the University in three ways:

- ▶ As a **provider of education in evidence-based practice** in the University's vocationally oriented academic programmes;
- ▶ As the **leading Hong Kong institution** conducting interdisciplinary research in evidence-based practice and
- ▶ As **an advocate of implementing** professional standards and an exemplar of best practice.



2015 Brain-based Teaching & Learning

Cognitive learning



2016 Decision Making

Game theory



2017 Negotiation & Persuasion

Mediation



Centre of Interdisciplinary Research in Evidence-Based Practice (CEBP): Function

Hardware

- Provide ***state-of-the-art research facilities*** to conduct neuro-related research, e.g. TMS, tDCS, and biofeedback devices; and a computer laboratory for research

Software

- Provide ***sophisticated statistical software*** e.g. Mathematica, SPSS Statistical Base, CATI, for conducting advanced analysis and telephone survey.

Community

- Establish links between HKSYU and community partners via ***the joint practice*** of evidence-based research projects.

Application

- Strengthen the provision of ***training and education*** in evidence-based practice in vocationally oriented academic programs. Findings and best practice can ***be applied*** in program curriculum.

Exposure

- Provide series of ***faculty development, academic seminars, research workshops, consultative meetings and conference*** for more international academic exposure.

Collaboration

- Offer academics ***with opportunities*** to gain insight, skills, knowledge, and collaborate with respected academics in design and implementation of EBP research.

Development

- Provide an ***interdisciplinary platform*** for promoting research in EBP. Users can learn knowledge and exchange ideas via Centre's website and by joining activities.



Centre of Interdisciplinary Research in Evidence-Based Practice (CEBP): Events

Public Lectures

- For general audience who want to explore the discipline

Academic Seminars

- For university students, academics and professional practitioners to get more in-depth knowledge of the discipline

Research Workshops

- For researchers and post-graduates who are currently conducting research

Faculty Development

Further enhance the research skills of our faculty members

Visiting Scholar Scheme

Strengthen scholarly exchange with renowned scholars in the field of evidence-based practice

Consultative Session/ Collaborative Meeting

Benefit our academics in their early careers of developing research expertise and skills

Conference

Consolidate the learning and research experience gained from the projects



Centre of Interdisciplinary Research in Evidence-Based Practice (CEBP)

Enquiry and Contact

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