

# 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



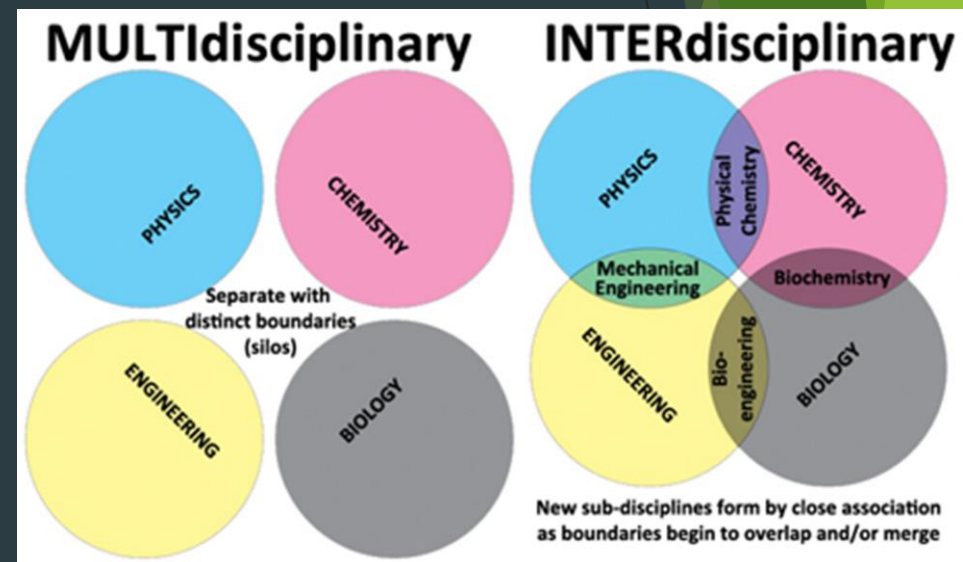
Centre of Interdisciplinary Research in  
**EVIDENCE-BASED PRACTICE**

# 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

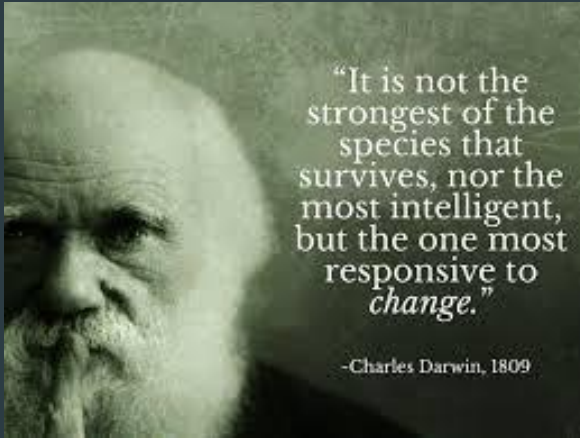


# Evidence-Based Practice

- ▶ 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)



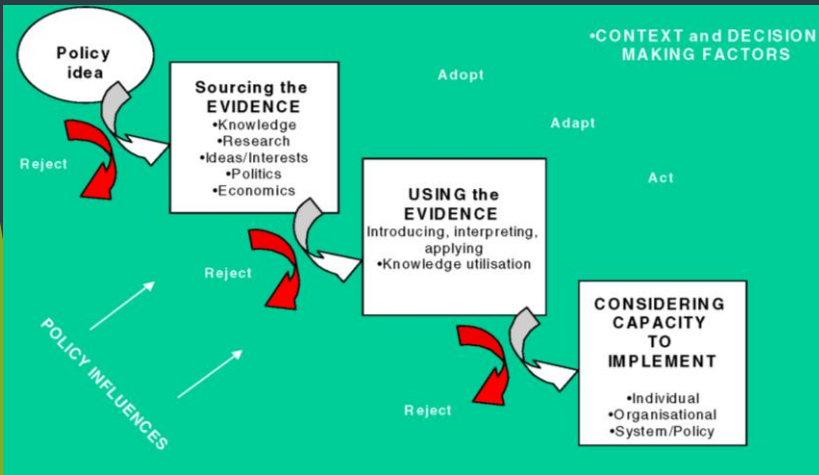
# Why Evidence-based?



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 -

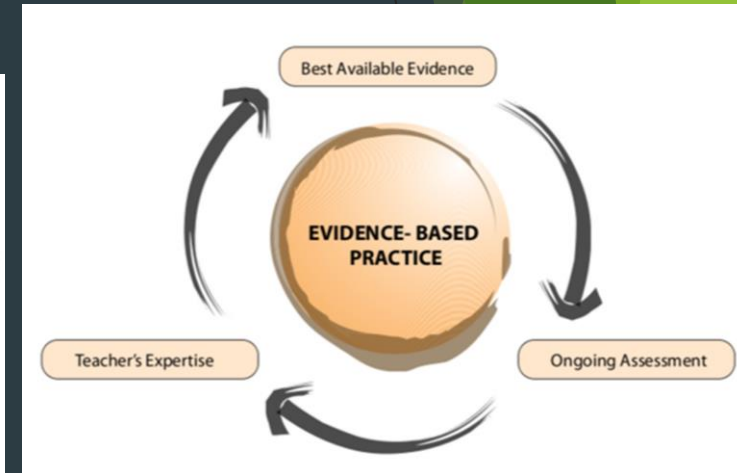
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Policy Management



Health Care



Education



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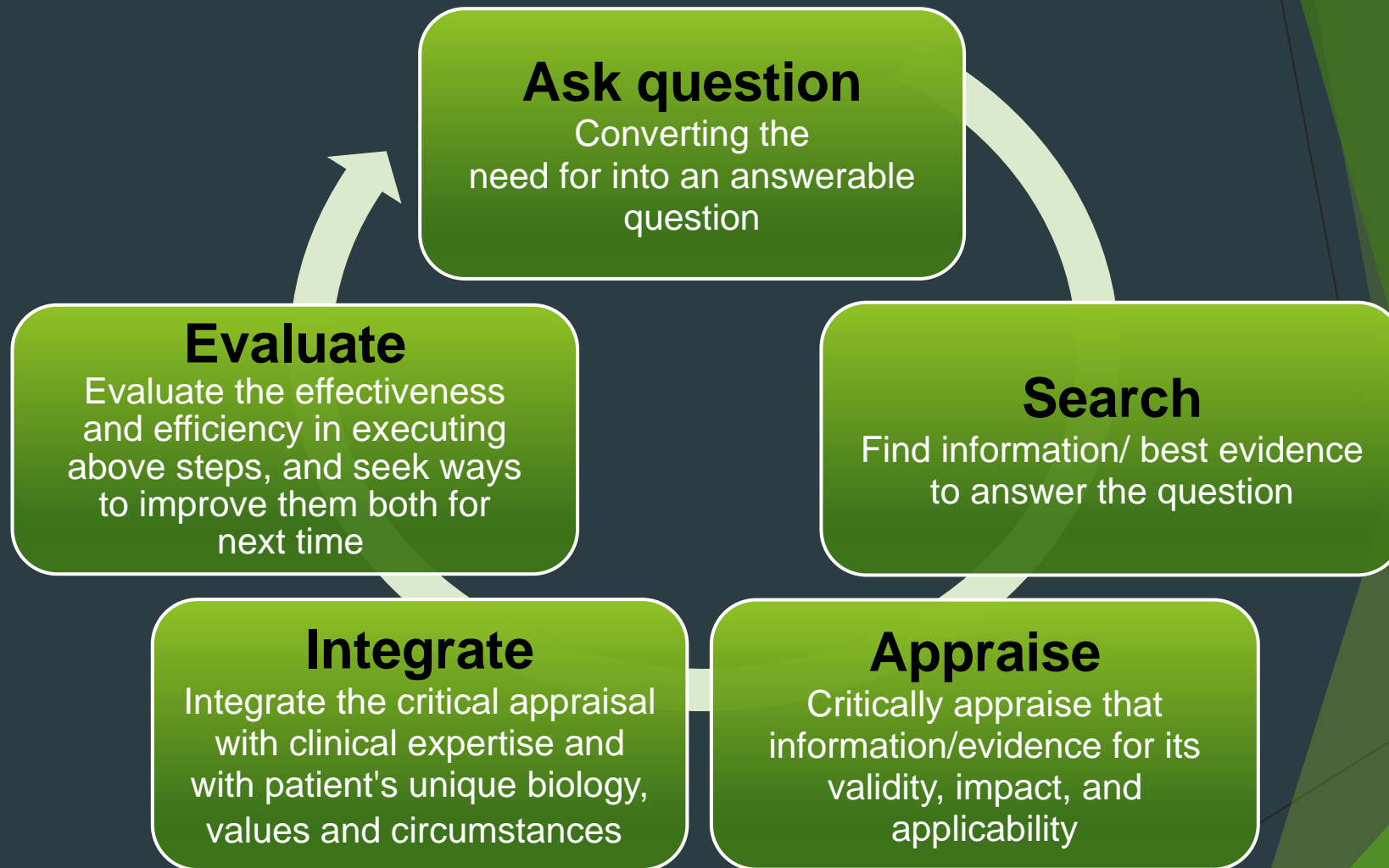


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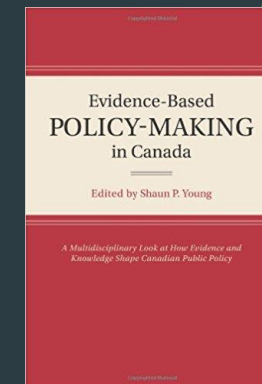
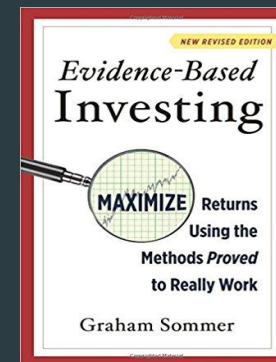
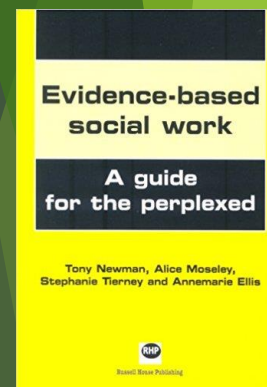
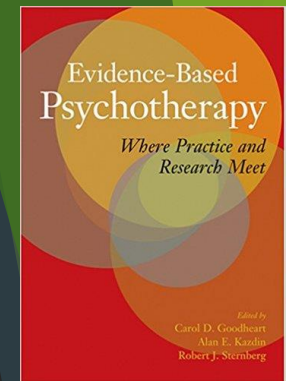
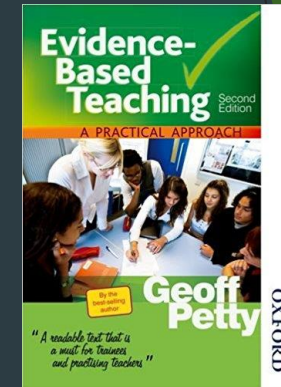
# Evidence-Based Practice

## 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



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- ▶ 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**.



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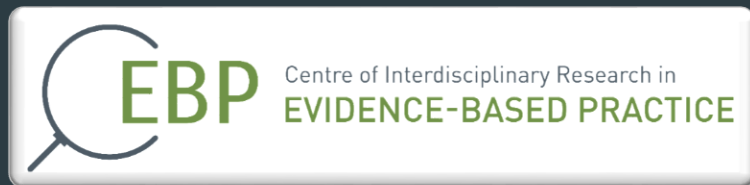
EBP  
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# Centre of Interdisciplinary Research in Evidence-Based Practice (CEBP)

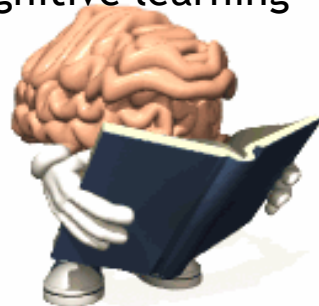
CEBP will reinforce the academic standing of the University in three ways:

- ▶ 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

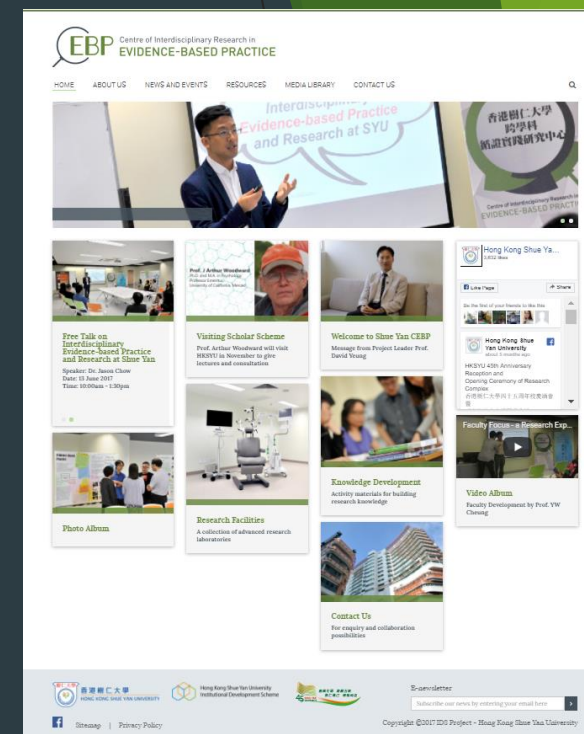
Consolidate the learning and research experience gained from the projects



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

## Enquiry and Contact

- ▶ Email: [cebp@hksyu.edu](mailto:cebp@hksyu.edu)
- ▶ Phone: (852) 2806-7578
- ▶ Address: RLG308, Research Complex, HKSJU
- ▶ Website: <http://cebp.hksyu.edu>
- ▶ Contact Person: Mr. Gary Lee (Project Manager)



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