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CPCECPR Conference 2022

Embracing the New Normal of Education: Blending Technology into Pedagogical Design

Sub-themes:
Online/Blended Learning,
EduTech, Innovative Pedagogy

Date: 13 Jan 2022 (Thursday)
Time: 9:00 am – 6:00 pm
Venue: Online via Zoom
Medium: English (Supplemented with Cantonese)

Guest of Honour



Dr. CHOI, Christine Yuk-lin, JP
Under Secretary for Education
Education Bureau, HKSAR

Keynote Speakers



Prof. BOB FOX
Emeritus Professor, School of Education,
University of New South Wales

Presentation Topic

Higher Education Innovation
Through Blended and Digital
Learning Beyond the COVID Era



Prof. POON, Larry Ka-yeung
Adjunct Associate Professor,
Department of Marketing, CUHK

Presentation Topic

Applying Robotics in
Immersive Learning

Free Registration



Keynote
Professor Bob Fox
University of New South Wales, Sydney



HE Innovation Through Blended & Digital Learning Beyond the COVID Era

Outline

- HE major challenges/changes/innovations following COVID-19 outbreak
- Universities will never completely return to old practices - post COVID
- Broad acceptance of: digital/blended/hybrid learning/continuous innovation in our teaching practices must be savoured and sustained
- Digital focus *demands* adjustments to the delivery of teaching/learning.
- This keynote reviews case initiatives that focus on improving the quality of blended/online learning & will focus on curriculum/course design & associated capacity building in sustaining innovation/change



University of New South Wales (UNSW Sydney) Case Study

UNSW vision – to be both a research & education intensive university

UNSW2025 Strategy – Educational initiatives:

With 65,000 students & 1000+ award programs & 7500 courses

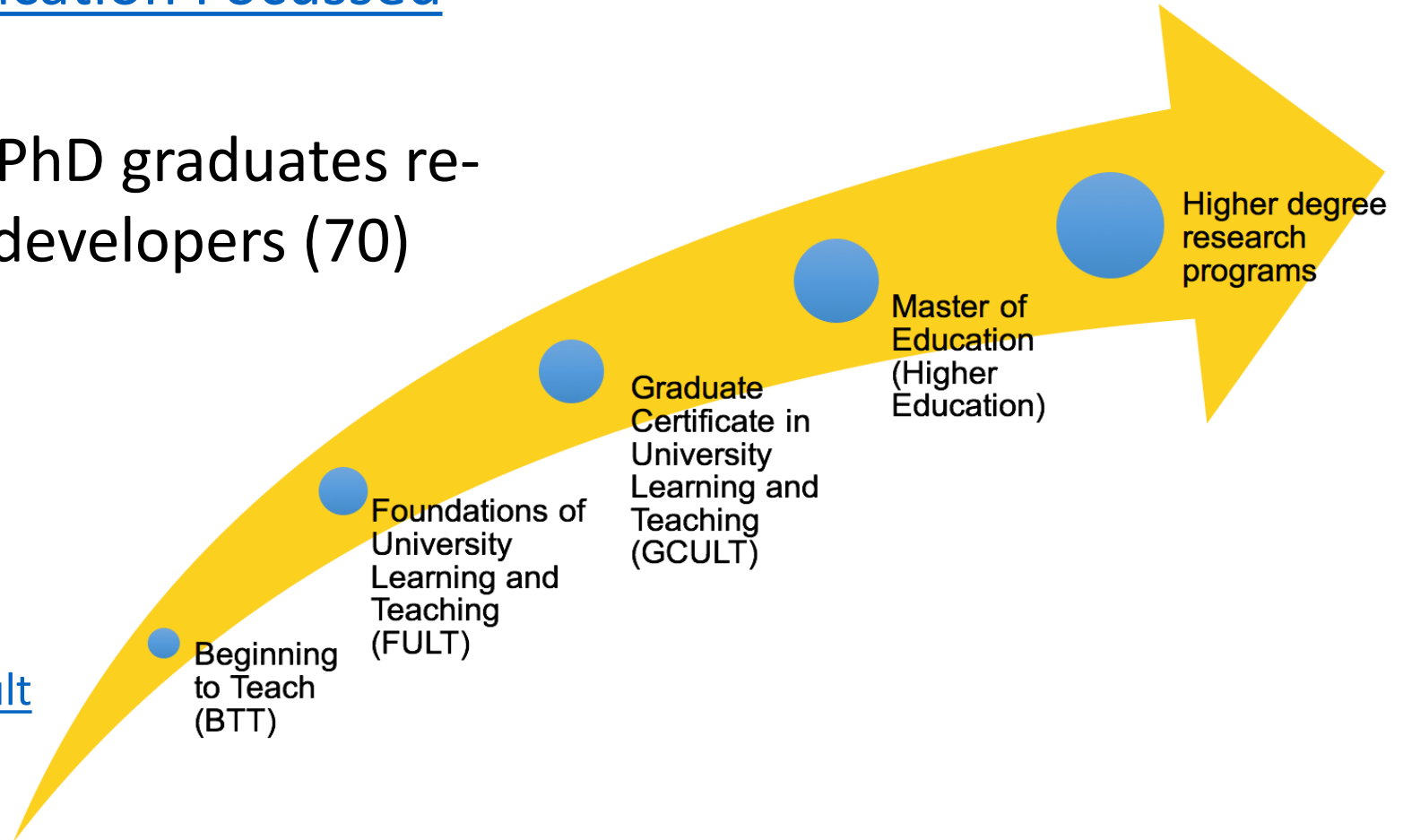
- Provide *extra funding for educational initiatives*. Adjusted in mid-2020 due to COVID-19
- Use an *ecological/systemic approach to change*
- Central role - capability building & elevating teaching status



Capability Building for Education Initiatives - Key

- > 450 academics to [Education Focussed Careers](#) (EF)
- Employment of UNSW PhD graduates re-trained as educational developers (70) from 2015
- HEA fellowships
- FULT for all teachers made compulsory

<https://teaching.unsw.edu.au/fult>





An ecological approach - \$77 million over 5 years

Scientia Education
Academy

1st Year Student
Experience

Online
Community
App

Digital Uplift



Summative
Peer Review
Process

Digital
Assessment
System

Students as Partners



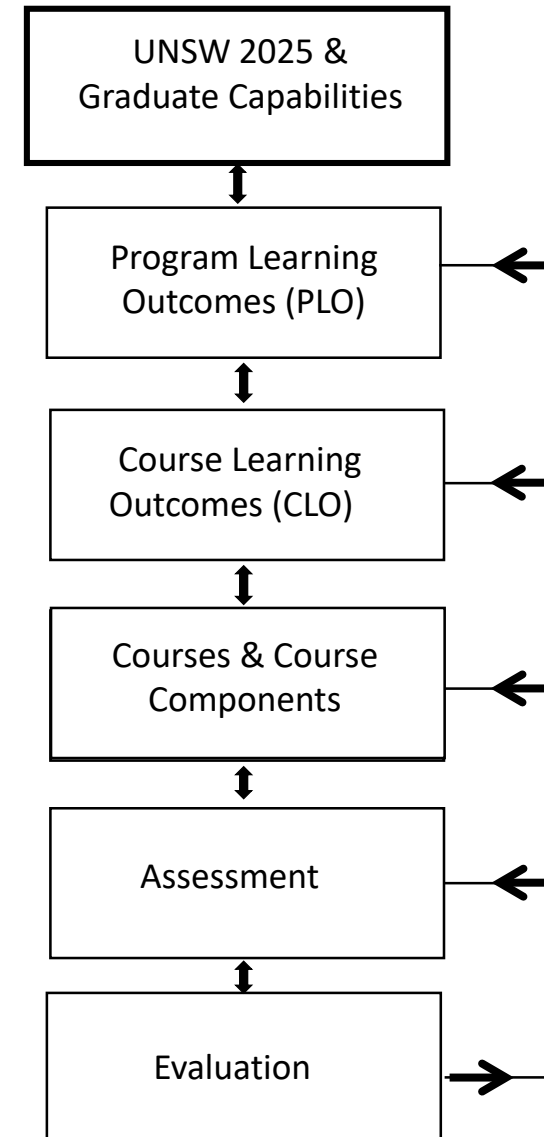
An ecological approach - \$77 million over 5 years

- **Digital Uplift:** design, develop **660 online, hybrid & blended courses**
- **Digital Assessment System:** trial digital assessment platforms & develop new policies
- **Scientia Education Academy:** showcase excellence in teaching, cultivate a shared community of practice, leadership and inspiration in learning and teaching
- **1st Year Student Experience:** implement a plan for a distinguished and support-driven 1st year educational experiences
- **Students-as-Partners:** provide opportunities for students to *partner* in the creation of knowledge and development of teaching improvements and innovations
- **Online Community App:** develop student-led learning digital spaces
- **Summative Peer Review Process:** establish a process to generate evidence of teaching practice as part of a compulsory component in academic promotion and to compliment individual teaching awards



An ecological, systemic approach across UNSW: curriculum models in a changing environment. Shared Frameworks: ICF, RASE

[Fox, 2017 ICF Video presentation](#)

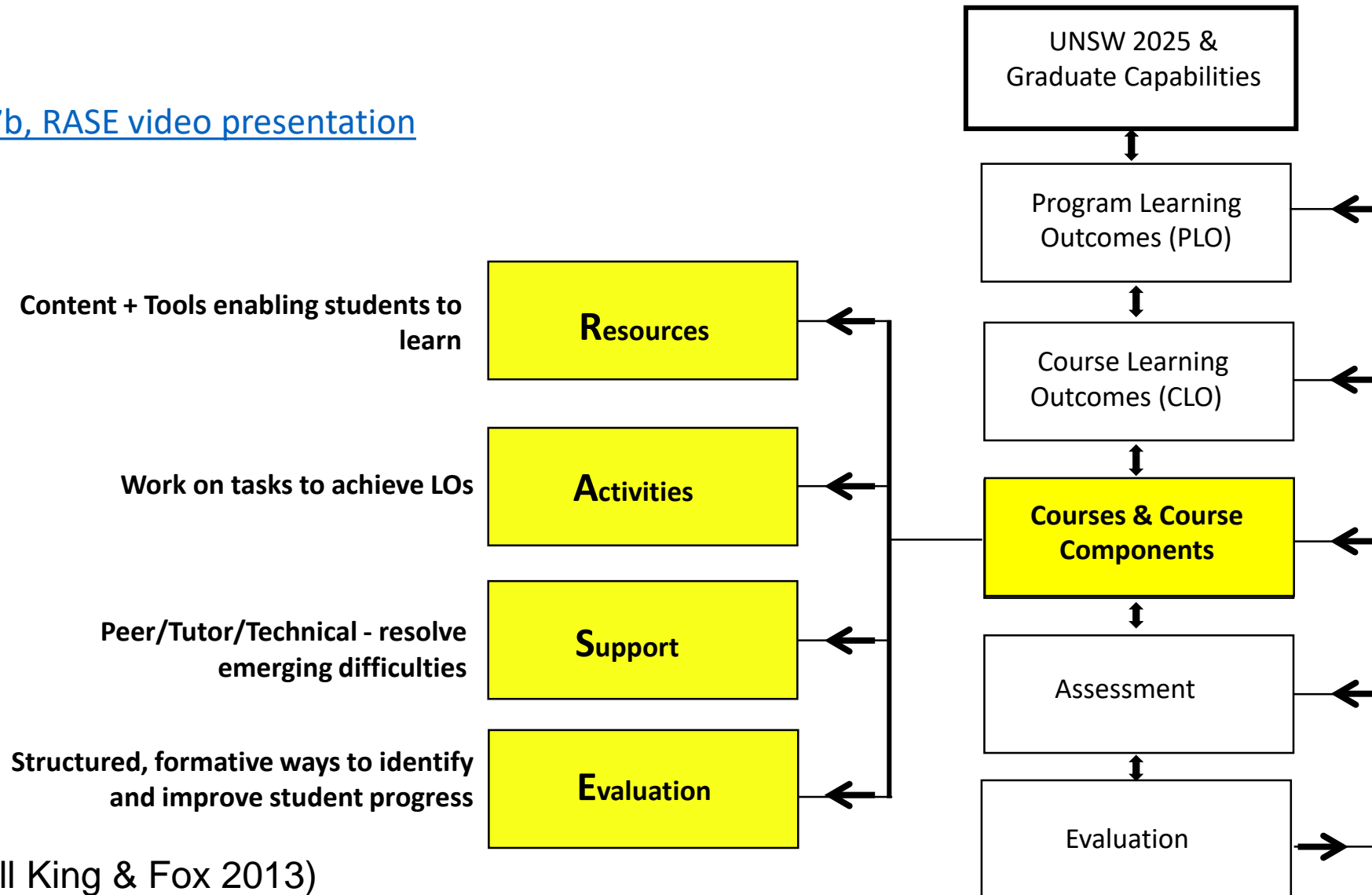


(Fox 2015)



An ecological, systemic approach across UNSW: curriculum models in a changing environment. Shared Frameworks: ICF, RASE

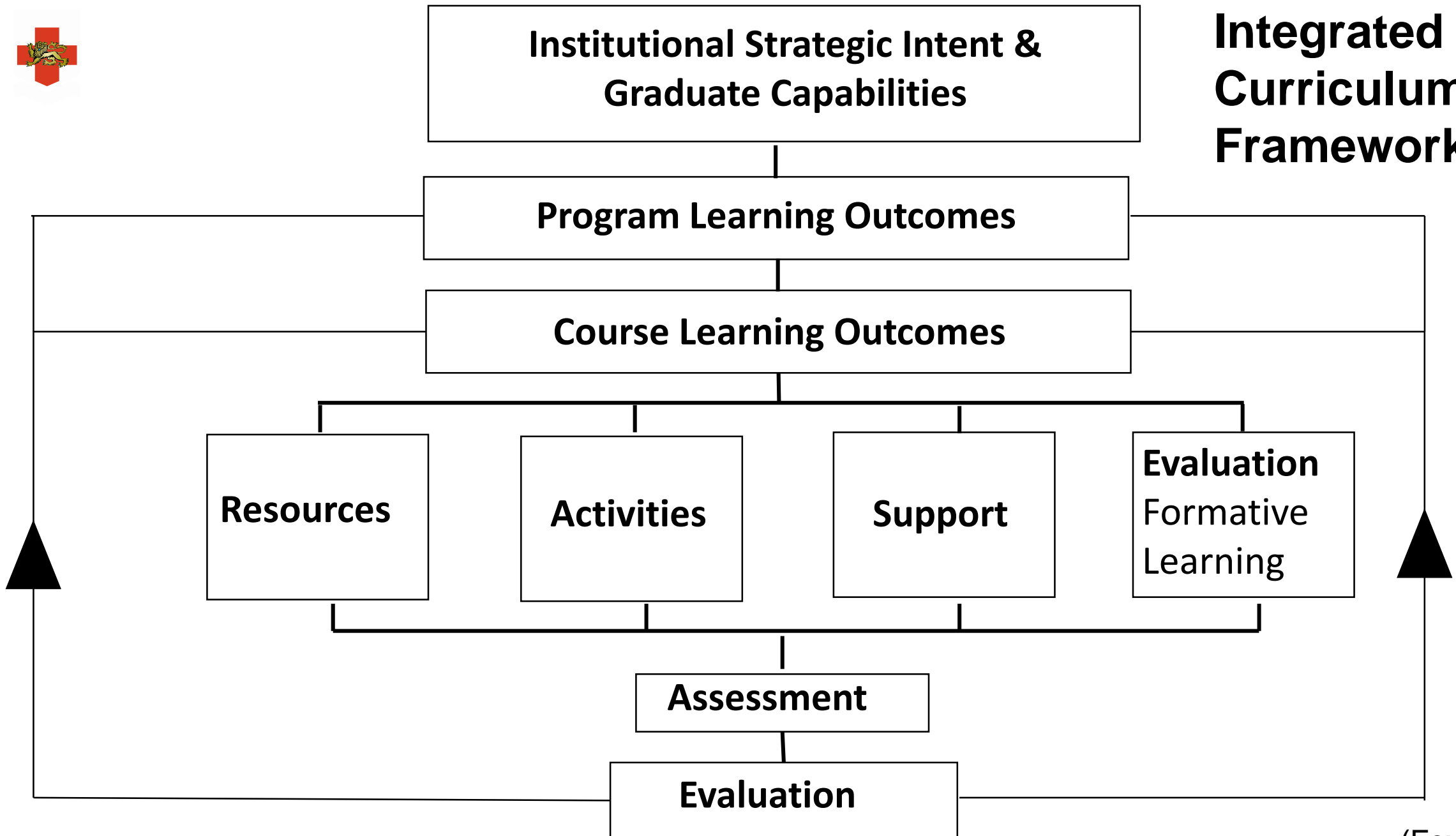
[Fox, 2017b, RASE video presentation](#)



(Churchill King & Fox 2013)



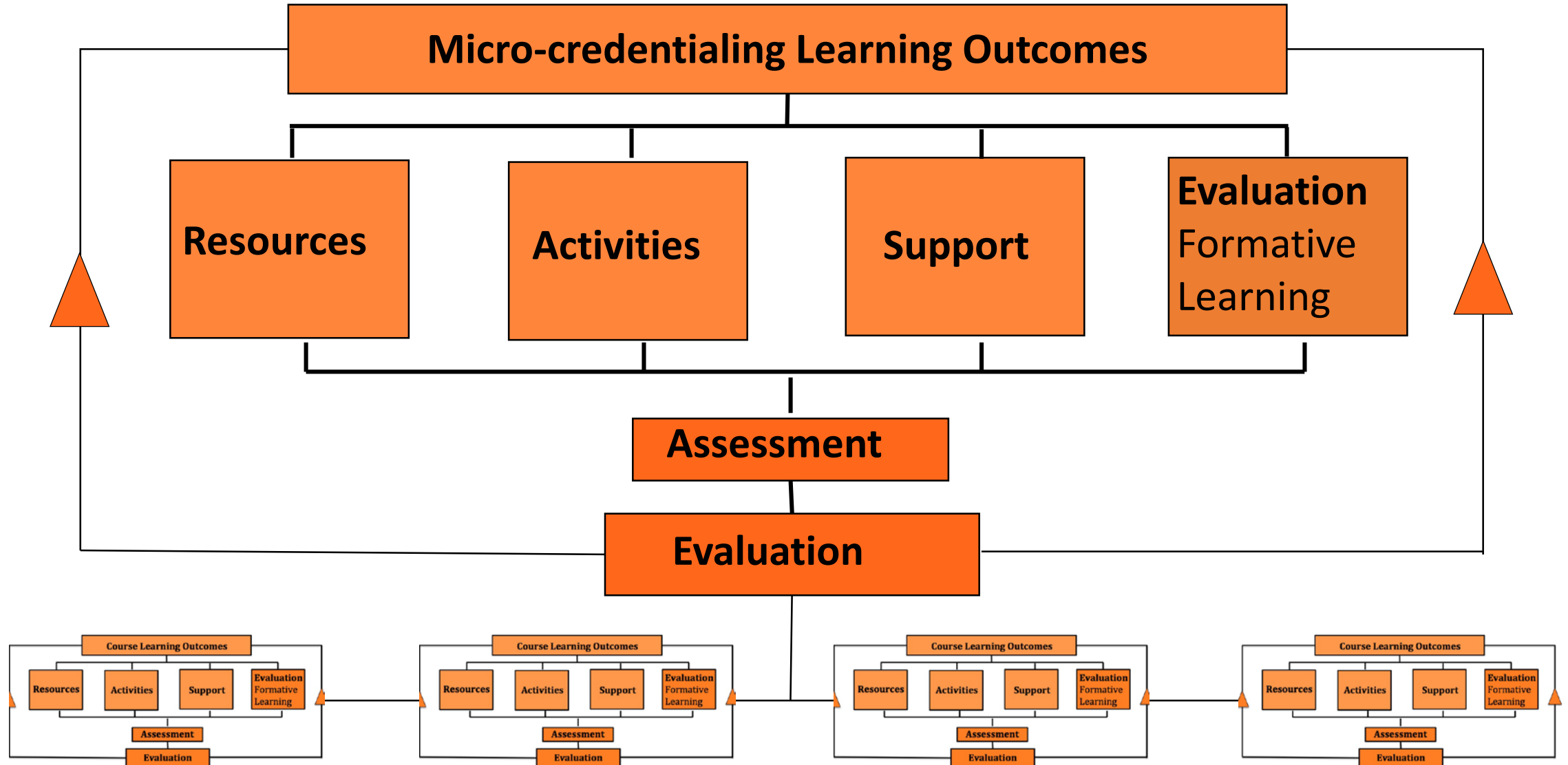
Integrated Curriculum Framework



(Fox 2015)



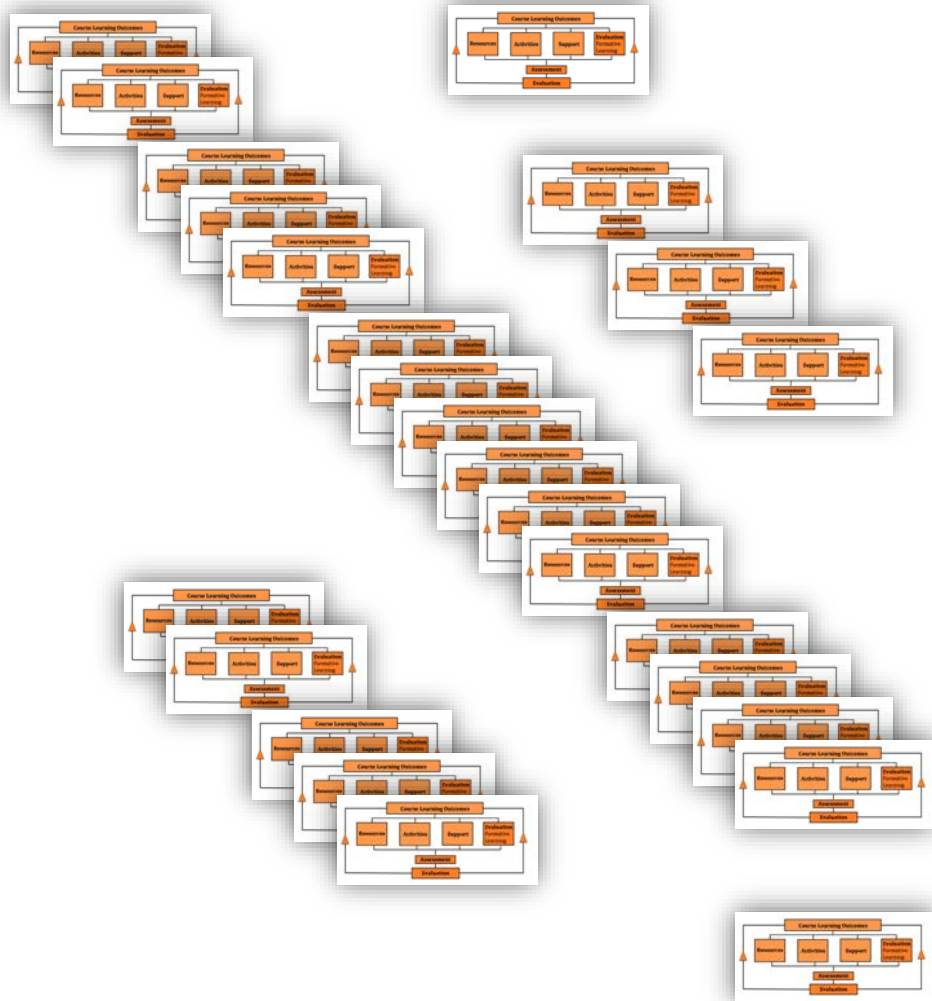
Micro-credentialing - Quality Assured





HE Innovation Through Blended & Digital Learning Beyond the COVID Era

Micro-credentialing leading to:



Just the short course



Short courses leading to CPE



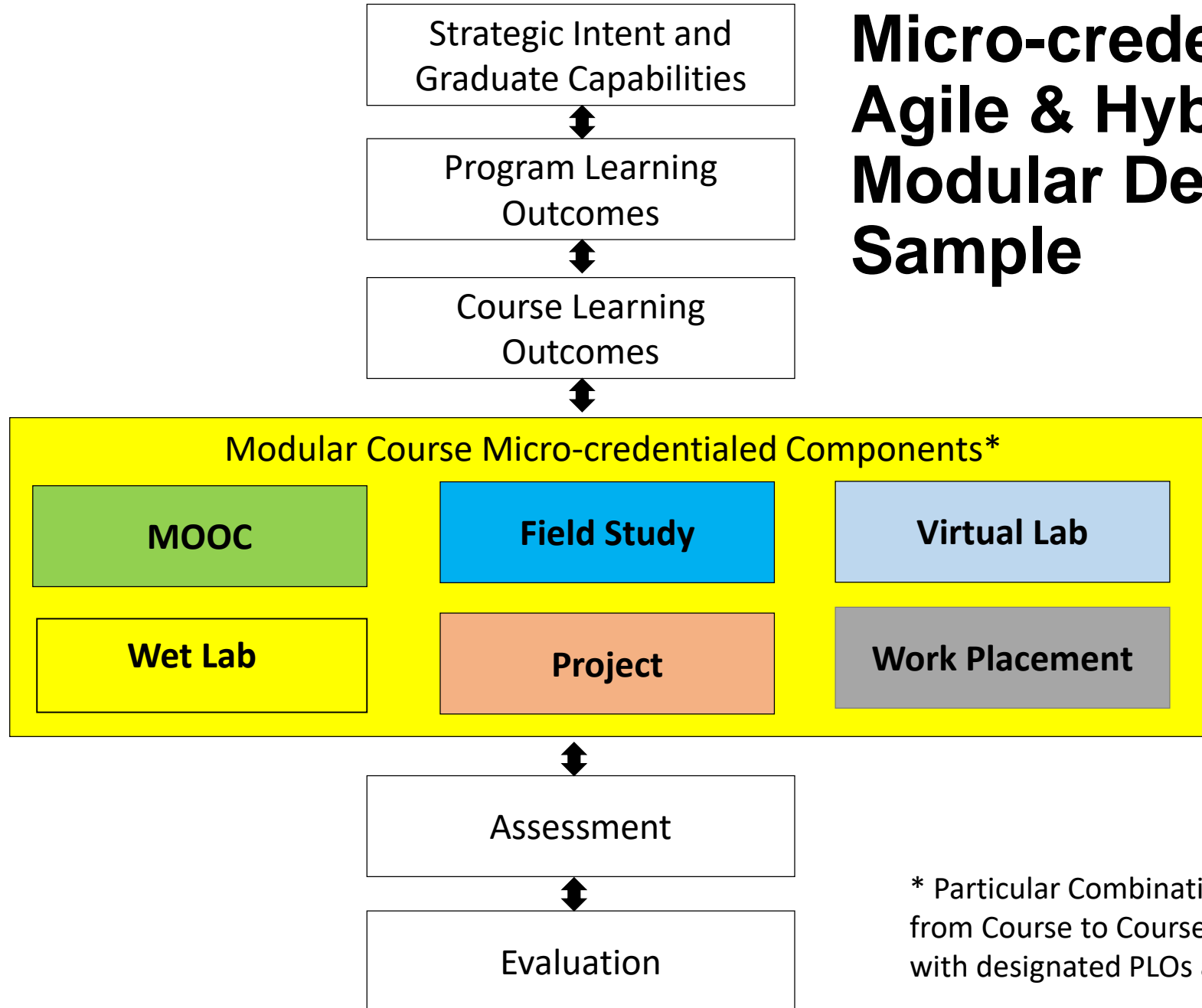
Leading to a degree



Degree plus add-on courses



Micro-credentialing: Agile & Hybrid Modular Design Sample



* Particular Combination of Modules will vary from Course to Course to maintain alignment with designated PLOs and CLOs



Learning lessons from Innovative Practices: Dimensions of Educational Innovation (Fox, 2020)

Definition

- 'Educational innovation' defined:

an enhancement¹ of existing educational practices

¹ [Enhancement](#): 'improving the quality of learning opportunities'

Purpose

- Identify innovative educational practices using technology
- Develop a dimensions of educational innovation framework to be used as a *professional development tool for teachers*; for *peer reviews*; and, to *monitor change and innovation* in educational practices in an institution



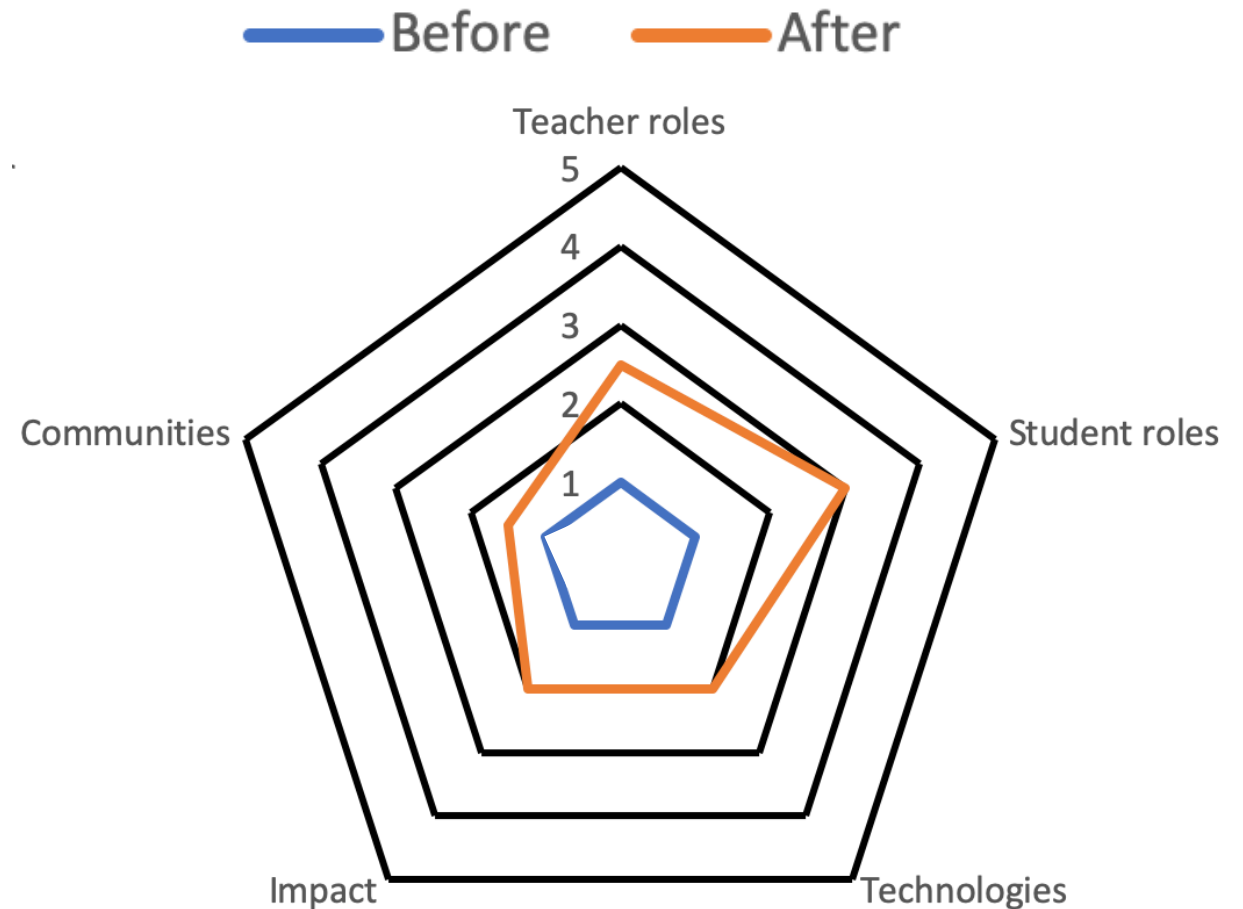
Dimensions of Educational Innovations

5 Dimensions

- Teacher roles
- Student roles
- Communities
- Technologies
- Impact

5 Levels

1. Existing practices
2. Some new elements
3. Emergent practice
4. Innovative
5. Most Innovative



(adapted Law et al, 2011)



Uses for the Dimensions of Innovation

Professional Development and Recognition

- Online templates: Dimensions of Innovation for teachers to self-assess their own levels of innovation & change
- Template used in workshops: self- & peer-assessment of levels of innovation
- Completed templates used as a catalyst in academic career conversations with academic mentors; as evidence for HEA & L&T awards & to include in personal Teacher ePortfolios

Identifying Innovation & Change in Educational Practices

- individual courses
- groups of courses in faculties, across UNSW & beyond




Conclusion: HE Innovation Through Blended & Digital Learning Beyond the COVID Era

Top 4 Takeaways of what have we learnt about the new normal

1. Ecological (& systemic) approaches to change during/beyond COVID-19
2. Shared design models/frameworks/mental models
3. Staff capability building *across the institution essential* to ensure good use of shared frameworks/new pedagogies/innovative practices.
4. Systemic methods for sharing & rewarding good/innovative practices

Thank
you



	<p>University of New South Wales Portfolio of the PVC Education & Student Experience</p> <p>Professor Emeritus Bob Fox</p> <p>UNSW Sydney NSW 2052 Australia Email: bobfox@unsw.edu.au</p>
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