

Simulation Education Evidence-Based Best Practices

Session 6

Curricular Integration and Alignment to Learning Outcomes

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Presenters

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Disclosures

Relevant to the content of this educational activity, the speakers and moderator have no conflict(s) with commercial interest companies to disclose.

Overview of Program – Seven Sessions

Session Topic with associated WORKBOOK	Date
Session 1: Introduction to Simulation	4/28/2021
Session 2: Creating a Supportive Environment and Psychological Safety to Learner and Facilitator	5/26/2021
Session 3: Debriefing Growth and Assessment	6/23/2021
Session 4: Evaluation of Student Learning	7/28/2021
Session 5: Scenario Design and Development	8/25/2021
Session 6: Curricular Integration and Alignment to Learning Outcomes	9/22/2021
Session 7: Interprofessional Simulations	10/27/2021

Session #6:

Curricular Integration and Alignment to Learning Outcomes

Learning Objectives

1. Determine opportunities to integrate simulation into curricula.
2. Discuss mapping curricula in higher education.
3. Examine principles of curricular integration for simulation-based experiences to develop a cohesive educational program.
4. Identify challenges when integrating simulation-based experiences across the curriculum to maintain quality and pedagogy.

Curriculum Integration

“...is a way of thinking about what schools are for, about the sources of curriculum, and about the uses of knowledge.”

(Bean, 1995)

Curriculum Mapping

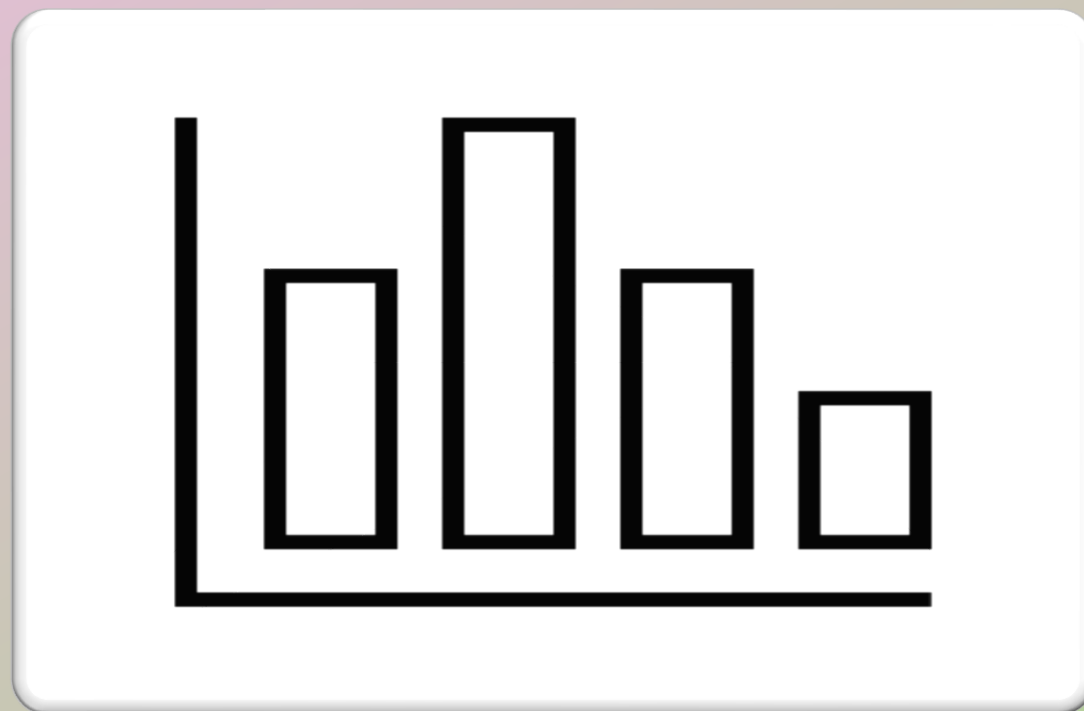
"Curriculum mapping is a way of examining a program of study and the courses within that program in order to understand curriculum structures and relationships, gain insight in how students Experience their discipline, and increase awareness of curricular content."

(Archambault & Masunaga, 2015, p.505)

Background

- *Fenwick English 1980's*
 - *Learning activities in elementary and secondary education*
- *Heidi Hayes Jacobs, Ph.D.*
 - *Four Phases of Curriculum Mapping*
 - *Laying the Foundation*
 - *Launching the process*
 - *Maintaining , sustaining, and **integration** into the system*
 - *Mapping into the future*

Poll Question



Benefits of Curriculum Mapping

- Learning Goals, Outcomes, Objectives
- Aligns Curricula
- Visual Representation of Courses
- Identifies Gaps
- Eliminates Repetition
- Opportunities for Interdisciplinary Education
- Performance-based Assessment of Skills and Concepts

(Hayes Jacobs, 1991)

Integrating Simulation into Curriculum Mapping to Meet Learning Outcomes

- Link Theory to Practice
- Practice Skills
- Address Competencies
- Scaffolding Throughout Curriculum
 - Initiate
 - On-going
 - Mastery
- Assessments
- Evaluation

Program Curriculum Plan

SEMESTER I - Freshman Year	SEMESTER II - Freshman Year
Medical Terminology Introduction to BCHS Experience Principles of Chemistry English Composition I College Algebra Anatomy and Physiology I	Introduction to Sociology Introduction to Psychology Scientific Literacy Anatomy and Physiology II Microbiology
SEMESTER III - Sophomore Year	SEMESTER IV - Sophomore Year
Human Growth and Development Communications Elective Issues & Trends in Professional Nursing I Foundations of Nursing Practice Health Assessment Across the Life Span	Gen Ed Elective with cultural study designation Pathophysiology Nursing Care I Pharmacology Clinical Judgment in Nursing
SEMESTER V - Junior Year	SEMESTER VI - Junior Year
Nutrition Elements of Statistics Nursing Care II Psychiatric Mental Health Nursing	Nursing Care III Family Health Nursing Research & Evidence-Based Practice in Nursing
SEMESTER VII - Senior Year	SEMESTER VIII - Senior Year
Ethics in Healthcare Business/Management Elective Nursing Care IV Community Health Nursing	Humanities Elective Nursing Leadership & Management Issues and Trends in Professional Nursing II Preparation for Licensure Nursing Capstone

Mapping Simulation into Program

ACEN Standards	Standard 4 The curriculum supports the achievement of the end-of-program student learning outcomes and program outcomes and is consistent with safe practice in contemporary healthcare environments. 4.9 Student clinical experiences and practice learning environments are evidence-based; reflect contemporary practice and nationally established patient health and safety goals; and support the achievement of the end-of-program student learning outcomes.		
SEMESTER	Course	Simulation	Skills
SEMESTER III Sophomore Year	Health Assessment Across the Life Span	Hospitalized Adult	Head to Toe Assessment Communication Skills
SEMESTER IV Sophomore Year	Nursing Care I	Pediatric Scenario	Psychomotor Skills Communication
		Pediatric Competencies	Medication Administration
		Geriatric Orientation	Prep for hospital patients
		Geriatric Scenario	KSA's
		Geriatric Competencies	IV fluids/meds
	Clinical Judgment in Nursing	Bariatric Patient Scenario	KSA's
		Escape Room	KSA's
SEMESTER V Junior Year	Nursing Care II	Palliative Care	
		Med/Surg Competencies	KSA's
	Psychiatric/Mental Health Nursing	Hospitalized and Clinic scenario	KSA's
SEMESTER VI Junior Year	Nursing Care III	Competencies	KSA's
	Family Health Nursing	Women's Health Orientation	Equipment, KSA's protocols- newborn/Ob
		L&D Scenario	KSA's
		Competencies	KSA's
SEMESTER VII Senior Year	Nursing Care IV	ICU Orientation	Equipment, KSA
		ICU Scenario	KSA's
		Competencies	KSA's
	Community Health Nursing	Clinic Orientation	KSA's
		Community Clinic Scenario	Infant & Child KSA's
SEMESTER VIII Senior Year	Nursing Capstone	Competencies	KSA's
		Multi-patient Scenario	Delegation; Prioritization

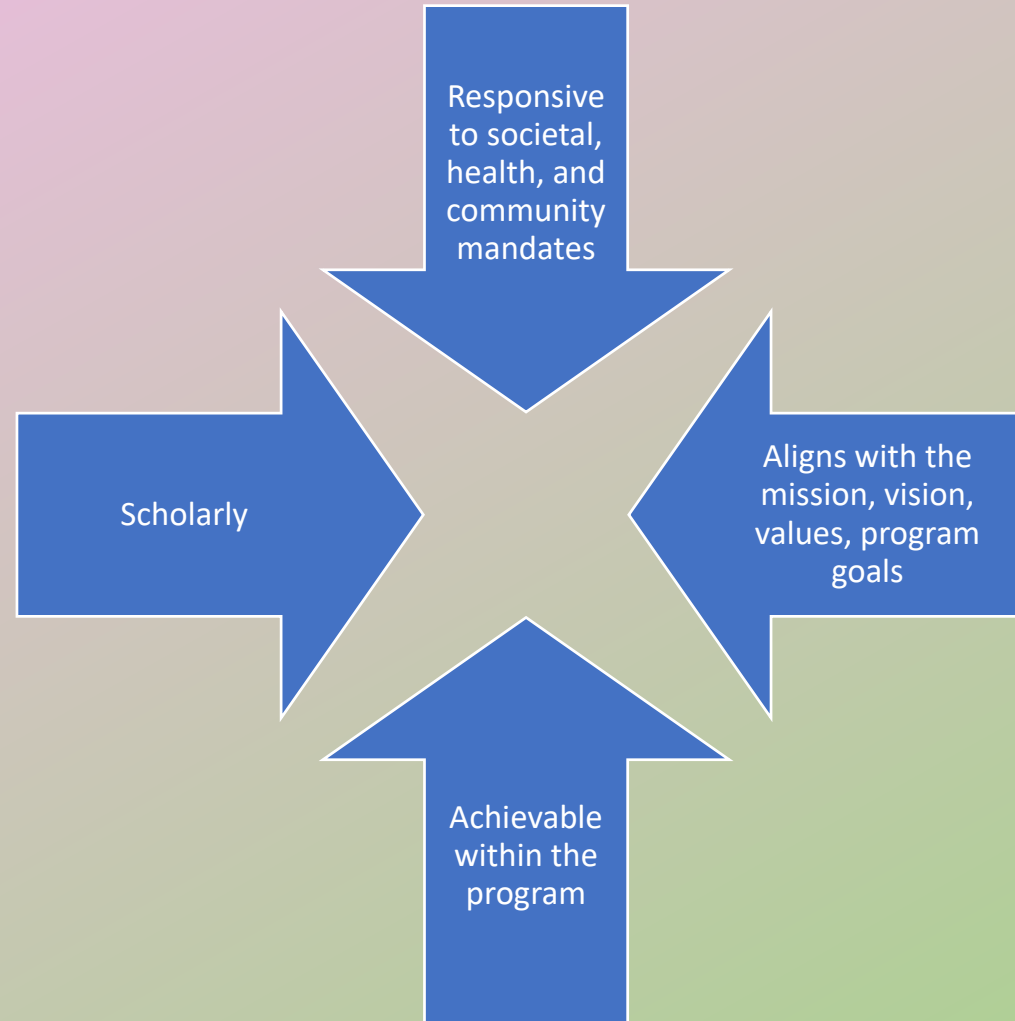
Principles of Curricular Integration for SBE

Evidence-
informed

Contextual

Cohesive

Evidence- Informed Criteria



Contextually-Driven



Aligns with the philosophy,
mission, vision, values,
program values

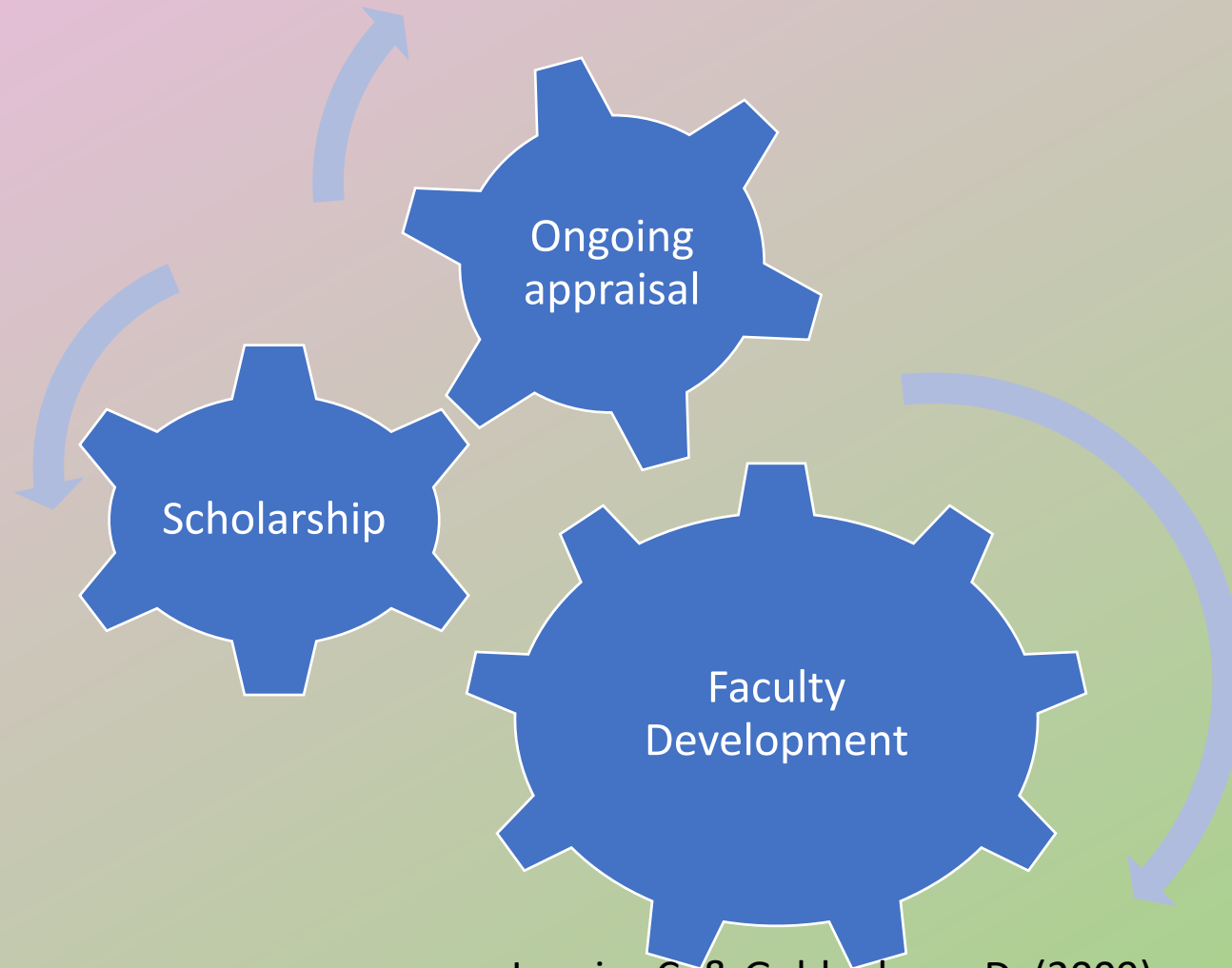


Achievable with the
constraints of your
institution

Cohesive Approach

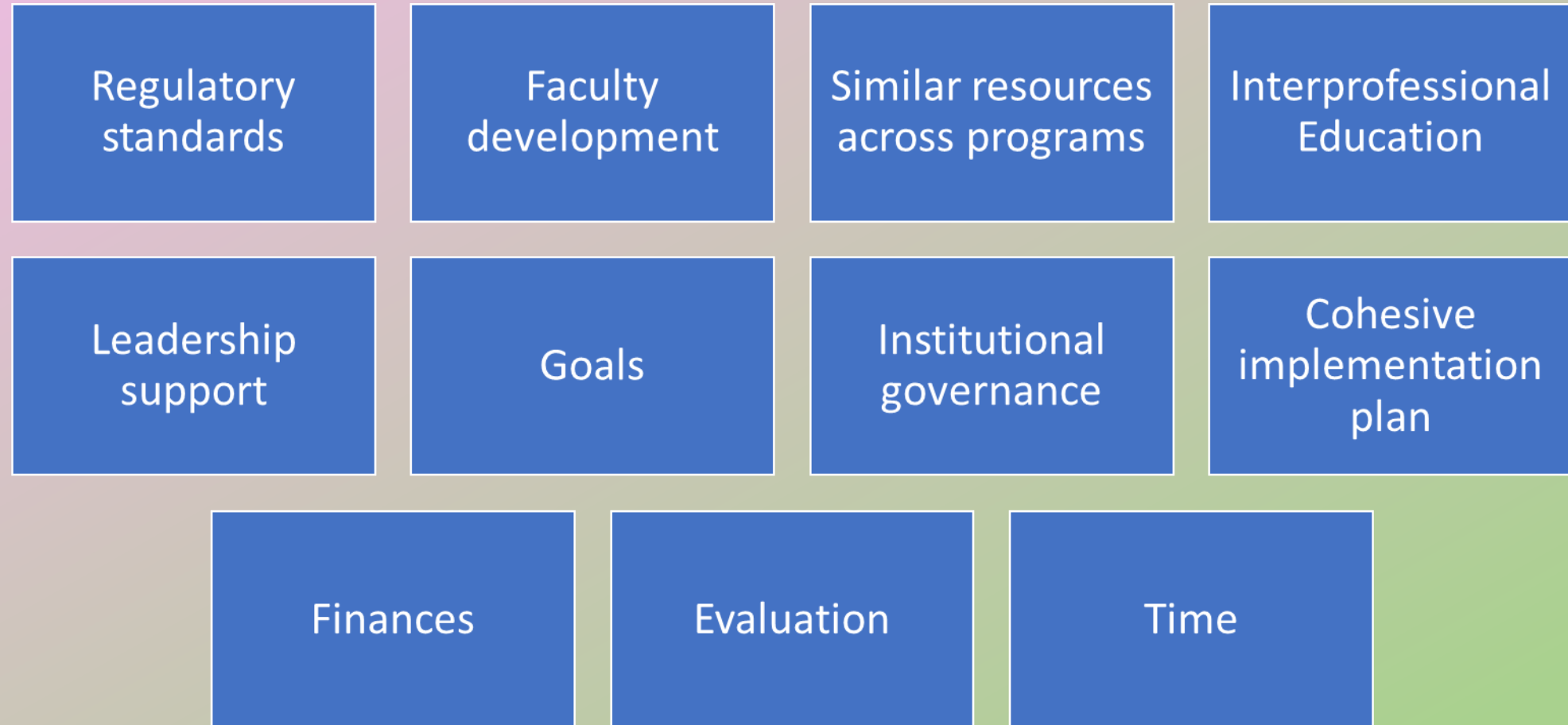
- All curriculum reflects the mission, vision, values, and program goals
- Similar language and approaches within teaching and learning
- Leveling of the curriculum
- Similar educational approaches

Model of Development



Iwasiw, C. & Goldenberg, D. (2009).

SBE: Barriers to Curricular Integration



What are YOUR next steps?



References

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