

# INNOVATION IN CURRICULUM AND INSTRUCTION (PH.D.)

## Specializations

The four specialization areas, while different, may overlap in content. There are some specialization courses that may be eligible to count for more than one specialization area.

## Individual Differences and Instruction (Special Education)

Education that facilitates learning for all learners.

Course	Title	Credits
CTGE 7340	Contemporary Academic Interventions for All Learners	3
CTGE 7350	Creating Learning Environments through Positive Behavior Supports	3
CTGE 7204	Informing and Transforming Instruction through Assessment	3
CTGE 6253	STEAM Education in Theory and Practice	3

## Learning through Multilingualism (Multilingual Education)

Education that features multilingualism as a resource to learning in globalized and networked learning environments.

Course	Title	Credits
CTGE 7820	Global Perspectives in Multilingual Competency	3
CTGE 7492	Translingual Pedagogy	3
CTGE 7493	Learning and Knowing through Multilingualism	3
CTGE 7497	Translingual and Transliteracy Practice in Makerspace	3

## Transliteracy and Learning (Transliteracy Education)

Education that promotes learning through oracy and literacy using a range of platforms, tools, and media.

Course	Title	Credits
CTGE 7596	Cognitive, Linguistic, and Sociocultural Dimensions of Literacy	3
CTGE 7574	Critical Transliteracy	3
CTGE 6201	Teaching through Digital Literacies	3
CTGE 7497	Translingual and Transliteracy Practice in Makerspace	3

## Transformative Instruction through the Arts and Sciences (STEAM Education)

Education that integrates the essential skills of critical thinking and problem solving, creativity and innovation, communication, collaboration, and entrepreneurship in learning across different knowledge fields.

Course	Title	Credits
CTGE 7599	Creativity in Teaching Environments	3
CTGE 6253	STEAM Education in Theory and Practice	3
CTGE 6255	Teaching and Assessing Science, Technology, Engineering, Art & Mathematics (STEAM) in K12	3
CTGE 6257	Computational Thinking A: Principles of Computing	3
CTGE 6258	Computational Thinking B: Essentials of Informatics	3