



Students will be able to synthesize and transfer learning to complex situations across disciplinary boundaries.

Objective	Definition	(3) Competence	(2) Building Capacity	(1) Exposure
Transdisciplinarity (connection to discipline)	Applying perspectives or approaches across social and natural science disciplines to create new conceptual, methodological and translational innovations that integrate and move beyond discipline specific approaches to find novel solutions (integrating information, discipline-specific approaches, and resources toward a common goal).	Demonstrates a sophisticated ability to connect examples, facts, or theories from more than one field of study or perspective to create novel cross-cutting solutions by considering perspectives and approaches from multiple fields of study.	Demonstrates a moderate ability to connect examples, facts, or theories from more than one field of study or perspective.	When prompted, presents a limited ability to connect examples, facts, or theories from more than one field of study or perspective.
Knowledge transfer	Adapts and applies, independently, skills, abilities, theories or methodologies gained in one situation to new situations to solve difficult problems or explore complex issues in original ways.	Demonstrates a sophisticated ability to adapt and independently apply skills, abilities, theories or methodologies and apply them to new situations to solve difficult problems or explore complex issues in original ways.	Demonstrates a moderate ability to adapt and apply skills, abilities, theories, or methodologies, and apply them to a new situation to contribute to understanding problems or issues.	When prompted, demonstrates a limited ability to use skills, theories, or methodologies gained in one situation and apply them to a new situation to contribute to understanding problems or issues.
Connections to experience	Critically reflective self assessment to evaluate changes in one's own learning over time, recognizing ambiguity and uncertainty in order to design solutions that build on past experiences (that have occurred across multiple and diverse contexts).	Demonstrates a sophisticated ability to meaningfully synthesize and reflect on experiences outside of the formal classroom (e.g. family life, artistic participation, civic involvement, work experience) to deepen understanding of fields of study and to broaden their own points of view, and foster personal and professional growth.	Demonstrates a moderate ability to select and develop experiences outside of the formal classroom (e.g. artistic participation, family life, civic involvement, work experience) to deepen understanding of fields of study and to broaden their own points of view, and foster personal and professional growth.	Demonstrates a limited ability to compare life experiences and academic knowledge to infer differences, as well as similarities, and acknowledges perspectives other than one's own.