SOS 509: Course Outcomes and Module Learning Objectives (Rewritten by Gillian, revised by Jenni and Finalized for Fall 2021)

Module 1

C01: Examine how key competencies and best practices in communication, including a consideration of planetary boundaries, relate to sustainability challenges and solutions. (COMP: Systems, futures, values, strategic and interpersonal)	
Objective	Correlating Assignment
1.1: Identify the basic competencies of sustainability—systems, futures, values, and strategic thinking, as well as the collaborative competency.	M1: Activity - The Five Competencies - Flash Card Interactive
1.2 Describe how the sustainability competencies can enable successful outcomes and problem solving connected to real-world sustainability problems, challenges, and opportunities.	M1: Assignment - Commentary Paper
1.3: Illustrate how select key competencies relate to sustainability challenges and planetary boundaries.	M1: Assignment - Commentary Paper
1.4: Apply sustainability competencies to current or future professional activities.	M1: Discussion Board - Introduction Video (Group) (Canvas)
1.5: Collaborate with team members to discuss group roles and functions.	M1: Assignment - Group Charter

Module 2

CO2: Collectively identify and analyze sustainability problems cutting across different domains and scales, as well as understand the dynamics within systems. (COMP: Systems)	
Objective	Correlating Assignment
2.1: Discuss how the Distinctions, Systems, Relationships and Perspectives framework applies to a given scenario.	M2: Discussion Board - Agricultural Systems (Group) (Canvas)
2.2: Examine what would happen when the notion of Climate Sensitivity is removed from a given location.	M2: Discussion Board - Agricultural Systems (Group) (Canvas)

2.3: Analyze the Efficiency Matrix for urban systems and explain how resource management across water, electricity, and transit are part of the urban system of sustainable cities.	M2: Assignment - Urban Systems Reflection (Group)
2.4: Examine the similarities and differences in how two cities have evolved based on the Efficiency Matrix.	M2: Assignment - Urban Systems Reflection (Group)
2.5: Identify key components of systems thinking.	M2: Quiz
2.6: Discuss real-world examples (timely and relevant events) and actions surrounding the use of systems thinking.	M2: YellowDig

Module 3

CO3: Anticipate how sustainability challenges will evolve or occur over time (scenarios) accounting for system inertia, path dependencies, and triggering events in society. COMP: Futures	
Objective	Correlating Assignment
3.1: Describe why futures thinking across short and long-term time frames is important in sustainability problem solving.	M3: Discussion Board - Futures Thinking Narrative with Peer Reviews in Groups, Part 1 (Canvas)
3.2: Analyzes the way in which futures thinking anticipates the potential impact of climate change on communities globally, including considering the inequities of climate change and the difficulties in motivating behavioral change.	M3: Discussion Board - Futures Thinking Narrative with Peer Reviews in Groups, Part 1 (Canvas)
3.3: Identify key components of futures thinking.	M3: Quiz

Module 4

CO4: Recognize and examine the effects our values (normative) have on our sustainability decisions making. COMP: Values.	
Objective	Correlating Assignment
4.1: Analyze how the Social Determinants of Health differ by country, culture or religion.	M4: Assignment - Values Thinking (Group)
4.2: Identify Sustainable Development Goals that are affected by values thinking.	M4: Assignment - Values Thinking (Group)

4.3: Examine how using values thinking can make it difficult to achieve Sustainable Development Goals globally.	M4: Assignment - Values Thinking (Group)
4.4: Examine how progress in one Sustainable Development Goal could have either an adverse or an unintended outcome in another.	M4: Assignment - Values Thinking (Group)
4.5: Identify key components of values thinking.	M4: Quiz

Module 5

CO5: Create and implement interventions by considering various actions and strategies for a decision that can affect the achievement of a vision (or solution). COMP: Strategic.	
Objective	Correlating Assignment
5.1: Develop an intentional strategy, or plan, to achieve a particular vision (sustainability solution), leveraging assets and stakeholders with a focus on applying appropriate strategic thinking tools and methods.	M5: Discussion Board - Strategic Thinking (Group) (Canvas)
5.2: Critically reflect on one's own approach to strategic thinking for transformational change regarding effectiveness, alliances and sustainability.	M5: Discussion Board - Strategic Thinking (Group) (Canvas)
5.3: Discuss the complexities of a sustainability problem within a given city, including consideration of stakeholders and what it would take to reach transformation change.	M5: Discussion Board - Strategic Thinking (Group) (Canvas)
5.4: Discuss what makes a sustainability problem "wicked."	M5: Discussion Board - Strategic Thinking (Group) (Canvas)
5.5: Apply Theories of Change to solve a given sustainability problem.	M5: Discussion Board - Strategic Thinking (Group) (Canvas)
5.6: Identify key components of strategic thinking.	M5: Quiz

Module 6

CO6: Apply methods and strategies to work effectively with others to achieve a common sustainability goal. (COMP: Interpersonal)

Objective	Correlating Assignment
6.1: Make decisions that would affect operations of a family-run business, including consideration of dynamics between family, business and ownership dimensions and the implications of multigenerational influences.	M6: Simulation activity
6.2: Examine how differing contexts and perspectives affect collaboration within sustainability initiatives in companies, both large and small.	M6: Assignment - Collaborative Thinking (Group)
6.3: Examine how businesses rely on strategic thinking and mutually beneficial partnerships to achieve sustainability.	M6: Assignment - Collaborative Thinking (Group)
6.4: Identify key components of collaborative thinking.	M6: Quiz

Module 7

CO7: Identify and examine sustainability leadership and apply sustainability competencies to lead the initiation of sustainability solutions. (COMP: Systems, futures, values, strategic and interpersonal)	
Objective	Correlating Assignment
7.1: Explain key concepts of sustainability leadership and cite the accomplishments of a major sustainability leader.	M7: Discussion Board - Sustainability Leadership (Group) (Canvas)
7.2: Discuss how decisions that would affect operations of a family-run business, including consideration of dynamics between family, business and ownership dimensions and the implications of multigenerational influences.	M7: Assignment - Simulation, Part 2: Debrief and Reflection (Group)
7.3: Discuss the basic components of interdisciplinary leadership.	M7: Discussion Board - Sustainability Leadership (Group) (Canvas)
7.4: Discuss the inter- and transdisciplinary nature of sustainability challenges and solutions and how leaders must involve learning, supporting, sharing and training.	M7: Discussion Board - Sustainability Leadership (Group) (Canvas)
7.5: Identify the key components of effective sustainability leadership.	M7: Quiz
7.6: Reflect upon how attributes of effective sustainability leadership and collaboration can influence one’s future work within a company, NGO, non-profit or other organization.	M7: Assignment - What's Next? (Individual)

7.7: Evaluate team members contributions within a group setting.	M7: Assignment - Average Peer Score (Individual) - End of Course