Goal Five: Mathematical Sciences

Original Goal and Outcomes:
Radford University students will be able to use the tools of mathematics and quantitative reasoning to conceptualize and solve problems.
Radford University students will be able to:
   a. identify and interpret relationships among numeric, symbolic, and graphical information
   b. generate mathematical models using numeric, symbolic, and graphical information for use in real-world applications
   c. solve problems using numeric, symbolic, and graphical information

Proposed Goal and Outcomes:
Radford University students will be able to use the tools of mathematics and quantitative reasoning to conceptualize and solve problems.
Radford University students will be able to:
   a. interpret relationships among numeric, symbolic, and graphical information as applied to the real world
   b. solve problems using numeric, symbolic, and graphical information
Goal Six: Natural Science

Original Goal and Outcomes:
Radford University students will understand the methodologies of scientific inquiry; think critically about scientific issues and understand that the results of scientific research can be critically interpreted; participate in informed discussions of scientific issues; and describe the natural/physical world within the context of a specific scientific discipline.
Radford University students will be able to:
   a. employ scientific methods to gather and analyze data and test hypotheses in a laboratory setting
   b. distinguish between findings that are based upon empirical data and those that are not
   c. explain the relationships among the sciences and between science, technology, popular media, and contemporary issues in society
   d. explain how scientific ideas are developed or modified over time based on evidence
   e. use the language of science to explain scientific principles within the context of a specific scientific discipline

Proposed Goal and Outcomes:
Radford University students will understand the methodologies of scientific inquiry, think critically about scientific problems, and apply principles of a scientific discipline to solve problems in the natural/physical world.
Radford University students will be able to:
   a. distinguish between findings that are based upon empirical data and those that are not.
   b. apply scientific principles within the context of a specific scientific discipline to solve real world problems.
Goal Seven: Humanities

Current Goal and Outcomes:
Radford University students will understand the importance of the search for answers to humankind's most fundamental and profound questions and the ways in which these questions have been examined.
Radford University students will be able to:
   a. explain the nature and methods of inquiry in the humanities
   b. describe and explain differing views of the meaning, value, and purpose of life
   c. explain historical, philosophical, religious, or literary sources according to societal or cultural perspectives
   d. interpret and critically evaluate historical, philosophical, religious, or literary expressions of the human experience

Proposed Goal and Outcomes:
Radford University students will understand that human experience has given rise to significant questions and be aware of the nature and methods of inquiry in the humanities.
Radford University students will be able to:
   a. Identify principles, concepts, or developments crucial to inquiry in a humanities discipline.
   b. Recognize how a method of inquiry in the humanities can be applied to a disciplinary question.

Rationale for Proposal:
The rationale for the rewording of the goal and the wording of the two new Learning Outcomes is that it captures the general focus of the previous four Learning Outcomes, it is set at the appropriate level in Bloom’s Taxonomy (Knowledge and Comprehension) for Core Curriculum courses (those at the 100- or 200-level without any prerequisites), and it is broad enough for each discipline teaching in courses under Goal 7 to formulate assessment questions specific to their discipline.
Goal Eight: Visual and Performing Arts

Original Goal and Outcomes:
Radford University students will experience and analyze ways in which the visual and performing arts reflect and communicate aspects of the human experience.
Radford University students will be able to:
   a. analyze works of art in terms of the medium's distinctive language and syntax
   b. identify and explain how works of art express human values and experiences within specific historical, cultural, and social contexts
   c. identify and explain how the visual and performing arts have been used as vehicles for influencing culture
   d. evaluate works of art from the perspectives of aesthetic and critical criteria

Proposed Goal and Outcomes:
Radford University students will identify and evaluate ways in which the visual and performing arts reflect and communicate aspects of the human experience.
Radford University students will be able to:
   a. evaluate works of art in terms of the medium's distinctive language and terminology
   b. identify the relationship between works of art and specific historical, cultural, and social contexts
Goal Nine: Social and Behavioral Science

Original Goal and Outcomes:
Radford University students will understand how individual, social, or cultural factors influence human behavior and shape reciprocal relationships between people and society. Radford University students will be able to:
  a. explain the social or cultural factors that shape individuals' ideas and behaviors
  b. explain how individual and collective behaviors shape societies and cultures
  c. explain social or behavioral science concepts
  d. use social or behavioral science concepts to interpret real-world problems, including the underlying origins of such problems

Proposed Goal and Outcomes:
Radford University students will understand how individual, social, or cultural factors influence human behavior and shape reciprocal relationships between people and society. Students will be able to:
  a. Recognize social and behavioral science concepts.
  b. Recognize the relationship between individual and socio-cultural factors that affect behaviors.

Rationale for Proposal:
The rationale for these two Learning Outcomes is that they still capture the general focus of the previous four Learning Outcomes, they are set at the appropriate level in Bloom’s Taxonomy (Knowledge and Comprehension) for Core Curriculum courses (those at the 100- or 200-level without any prerequisites), and they are broad enough for each discipline teaching in courses under Goal 9 to formulate assessment questions specific to their discipline.
Goal Ten: US Perspectives

Original Goal and Outcomes:
Radford University students will understand how social and cultural (for example, political, historical, economic, environmental, religious, or geographic) forces shape the American experience.
Radford University students will be able to:
a. explain basic facets of the American experience with attention to unity and diversity in American society
b. use material studied to explain contemporary issues in the United States
c. evaluate common institutions in American society and how they have affected, or continue to affect, different groups

Proposed Goal and Outcomes:
Radford University students will understand how social and cultural forces (for example, political, historical, economic, environmental, religious or geographic) shape the American experience.
Radford University students will be able to:
a. Identify diverse influences that have shaped the American experience; and
b. Apply course material to a relevant issue in the United States.
Goal Eleven: Global Perspectives

**Original Goal and Outcomes:**
Radford University students will understand how social and cultural (for example, political, historical, economic, environmental, religious, or geographic) forces shape experiences in the global setting.
Radford University students will be able to:
   a. compare and contrast different perspectives used to explain the world or international issues
   b. use material studied to explain cross-cultural issues in the world
   c. evaluate differences and similarities among world cultures that affect perceptions, beliefs, or behaviors, and thus relationships between those cultures

**Proposed Goal and Outcomes:**
Radford University students will understand how social and cultural (for example, political, historical, economic, environmental, religious, or geographic) forces shape experiences in the global setting.
Radford University students will be able to:
   a. compare different perspectives used to explain the world or used to explain international issues
   b. explain cross-cultural or international issues using course materials