**FLEXIBLE CORE SCIENTIFIC WORLD COURSES**

Queens College General Education Statement: This course satisfies the Scientific World (SW) requirement of the Pathways General Education Flexible Core.

***All Flexible CORE Courses must satisfy the following three learning outcomes:***

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| FC 1: Gather, interpret, and assess information from a variety of sources and points of view. |
| FC 2: Evaluate evidence and arguments critically or analytically. |
| FC 3: Produce well-reasoned written or oral arguments using evidence to support conclusions. |

***In Addition, all SW courses must satisfy at least three of the following learning outcomes:***

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| SW 1: Identify and apply the fundamental concepts and methods of a discipline or interdisciplinary field exploring the scientific world, including, but not limited to: computer science, history of science, life and physical sciences, linguistics, logic, mathematics, psychology, statistics, and technology-related studies. |
| SW 2: Demonstrate how tools of science, mathematics, technology, or formal analysis can be used to analyze problems and develop solutions. |
| SW 3: Articulate and evaluate the empirical evidence supporting a scientific or formal theory. |
| SW 4: Articulate and evaluate the impact of technologies and scientific discoveries on the contemporary world, such as issues of personal privacy, security, or ethical responsibilities. |
| SW 5: Understand the scientific principles underlying matters of policy or public concern in which science plays a role. |