STUDIES IN CHEMISTRY

LEARNING OUTCOMES

After successful completion of this course, students will have shown competency in addressing the following Course Learning Outcome(s):

- **Identify, explore and practice** perspectives of chemistry from a variety of humanities related disciplines in inter/trans-disciplinary modes.

- **Argue and defend** the importance of an identified humanities perspective (e.g., philosophy, ethics, rhetoric, narrative, etc.) in the study and practice of the science of chemistry.

- **Create** forms of scientific expression alternative to traditional scientific journal publications that can still describe nuance and detail of scientific discovery.

ALIGNMENT & CLASS PHILOSOPHY

This class is based on the BB/BI 317 Scientific Theory & Practice class I have assisted in teaching for several years. It is a helpful Writing Intensive (WIC) course intended to demonstratively improve student writing and cognitive understanding of the communication and practice of science.

The concept for this class is largely similar, but focuses on the integration of interdisciplinarity in working with the humanities and chemistry more directly. Students may get a broad and liberal arts education with the Baccalaureate Core classes they are required to take, but some of those classes either fail to bring the integration to their direct studies or fail at being comprehensive enough in the humanities to bring their poignancy.

While the depth that this course aims at is far more than one term of class could encompass, the variety of philosophies, perspectives and activities, along with intense writing and revision activities, will allow students access to this important understanding and perspective.