

Chem 300: Chemistry in Modern Society

Course description: Intended for a broad audience, including nonscientists. Not intended for those students (Chemistry majors and others) with a strong Chemistry background. Familiarizes students with chemistry as experienced in daily life. Discussions will emphasize how to obtain and apply information in order to reach informed decisions on topics where chemistry plays a role.

Course Goals

Develop an understanding of bonding in molecules and how molecules interact

Develop an understanding of the representation of chemical structures

Develop the ability to obtain and judge information on the benefits and dangers of chemicals

Develop an understanding on the energy content in molecules

Develop an understanding of the manufacturing, use, and recycling of materials from a chemical point of view

Develop an understanding of how chemistry affects society

Program Goals

Develop the ability to represent chemical information.

Develop competence in problem solving.

Develop the ability to use information in a critical manner.

Develop the ability to disseminate scientific information orally and in writing.

Develop the ability to work effectively in a team.

Develop an understanding of the impact and relevance of chemistry in society.