

STEM (Science Technology Engineering and Math)

Q*Computer Applications in Science and Engineering #02003506

Instructor

Name:

Email:

Phone:

Office hours:

Course Description

Students in this STEM course can expect to embark upon engaging and stimulating subject matter. Coursework consists of a combination of STEM (Science, Technology, Engineering & Math) classes as well as courses that explore the broader impact of science and technology in society. Students also engage in classes aimed at improving their general and technical writing abilities.

Course Objectives

The student will be able at the end of this course:

- Use scientific methods during field and laboratory investigations
- Plan and implement descriptive and simple experimental investigations including asking well-defined questions, formulating testable hypotheses and selecting and using equipment and technology.
- Collect information by observing and measuring.
- Analyze and interpret information to construct reasonable explanations from direct and indirect evidence.
- Communicate valid conclusions.

Required Downloads

Google Sketchup- A 3D software tool that combines a tool-set with an intelligent drawing system. Enables to place models using real-world coordinates and share them .
Found at <http://sketchup.google.com/>

Frames 4- Frames is the **award winning** educational software for stop-motion animation, and digital storytelling. Creating illustrated animations, movies, and digital stories.
Download thirty day free trial- <http://www.tech4learning.com/frames>

Course Expectations

Students will complete all projects, forums, journals and activities in this course in a timely manner.

Grading Criteria: PCS grade scale will be used.