

# MAINE MARITIME ACADEMY

A College of Engineering, Management, Science, and Transportation

## Ocean Studies Department Adjunct Laboratory Faculty – Fall 2021

### POSITION OVERVIEW

This document describes duties the Academy expects of adjunct faculty members. Adjunct faculty are non-permanent, temporary faculty who are hired on a semester by semester basis.

### COURSE DESCRIPTION

CH101: Chemical Principles — This course examines basic concepts of general chemistry, including: stoichiometry, atomic structure, periodic properties, chemical bonding, states and properties of matter, equilibria, acids and bases, and properties of organic compounds. Rec. 3, Lab. 3, Cr. 4.

### TEACHING

The Ocean Studies Department at Maine Maritime Academy invites applications for an Adjunct Laboratory Faculty for a course in Chemical Principles. Applicants must hold an M.S. or Ph.D. in chemistry or a related field by August 2021, or possess a B.S. in a related field with significant teaching experience at the high school or college level. The successful candidate will teach multiple laboratory sections, a number of them night sections, of CH101: Chemical Principles, a one-semester chemistry course for engineering students majoring in Power Engineering Technology, Power Engineering Operations, Marine Engineering Technology, and Marine Engineering Operations. CH101 is designed to give engineering students an appreciation for the role of chemistry in different areas of engineering. Subjects covered include atoms and molecules; moles, stoichiometry, and chemical equations; reactions in aqueous solutions; gases; the periodic table and atomic structure; energy and thermodynamics; reaction kinetics; equilibrium; electrochemistry. Candidates with demonstrated teaching excellence and commitment to undergraduate education are particularly encouraged to apply.

For a full job description and application information see: <http://mainemaritime.edu/about-mma/employment-at-mma>. Applicants must submit (1) a cover letter that highlights their qualifications for the position, teaching interests and experience; (2) a current curriculum vita; (3) names and contact information (mailing address, phone number and email address) for three professional references. Screening of applicants will begin 15 March 2021 and will continue until the position is filled. This position is anticipated to be a one-semester position for the Fall semester of 2021. Maine Maritime values diversity and is committed to equal opportunity in employment.

## **DUTIES**

- Teach at the undergraduate level laboratories in an introductory survey course in chemistry for engineering majors in MET, MEO, PET and PEO majors.
- Develop learning materials, prepare assessments, and maintain records to monitor student progress, achievement, and attendance.
- Inform students of their progress by promptly returning assignments, quizzes, papers, and exams.
- Participate in departmental and faculty seminars aimed at sharing research outcomes and building interdisciplinary collaboration within and outside the department.
- Maintain one's own continuing professional development.
- Maintain an awareness and observation of fire and health and safety regulations.

## **ESSENTIAL SKILLS**

- Commitment to high-quality teaching and fostering a positive learning environment for all students.
- Excellent interpersonal, organizational, and communication skills.
- Ability to supervise academic work by undergraduate students.
- Ability to manage time and work to strict deadlines.
- Ability to work collaboratively.
- Commitment to continuous professional development.
- Demonstrated integrity and ability to maintain confidentiality.
- Ability to adapt to changing priorities and conditions.

## **MINIMUM QUALIFICATIONS**

- Bachelor's degree, or equivalent, from an accredited institution in chemistry or a related field.

## **SPECIAL CONDITIONS**

- Background check is required
- Must present original copies of transcripts
- Tobacco-free campus