

# MAINE MARITIME ACADEMY

A College of Engineering, Management, Science, and Transportation

## Physics Laboratory Instructor

### POSITION OVERVIEW

This document describes duties that the Academy expects of faculty members. These may change with each academic year, through discussions between you and your department head/dean/vice president. You will be reviewed and evaluated on the basis of how well you perform these duties.

The responsibilities for this position will include some or all of the following: teaching, student advising, scholarship, service, and administrative responsibilities. Teaching is the fundamental responsibility of each faculty member, all faculty members are expected to participate in this activity.

### TEACHING

Teaching responsibilities include time spent in the classroom, laboratory, or training ship(s) and in immediate preparation for these; maintaining and improving competence in subjects being taught; preparing contemporary teaching materials; conferring with students on course materials; directing individual and group studies and practica; reviewing written examinations and papers; evaluating presentations; supervising independent study projects, and supervising or teaching clinical cooperatives or industry programs.

### ADVISING

Student advising includes time spent meeting with students regarding academic, curricular and career matters.

### SERVICE

Academy service includes, but is not limited to, service on the Faculty Senate, Academy and departmental committees. Professional service implies the use of academic and professional expertise to serve your profession, the community, the state, the nation, or the world.

### SCHOLARSHIP

Instructors must evidence their documented and continued professional development. Scholarship enables individuals to remain current in the theory, practice, knowledge, skills and/or pedagogy of their disciplines. For some, scholarship and continued professional development may mean hands-on development and training in industry. The scholarly expectations of Faculty should be consistent with the mission and purposes of Maine Maritime Academy.

### OTHER ASPECTS OF FACULTY PERFORMANCE

Collegiality, as well as professional and ethical conduct, enhances teaching, learning and the general reputation of all persons in the academy. Therefore, all faculty members are expected to serve in a collegial fashion and in accordance with professional and ethical principles when dealing with other faculty members, students, administrators, and members of the public.

## **DUTIES**

- To teach at undergraduate and/or graduate level in areas allocated by the Department Head or Dean.
- To assume all the responsibilities associated with the physics lab, including a full teaching load (of up to 15 labs per week and concurrent recitation sections), grading of lab reports, updating the lab equipment, collaborating with Physics faculty on lab content as needed, ensuring that the lab manuals are available at the bookstore, repairing faulty equipment and ordering new equipment and supplies.
- To serve as an academic advisor to students and share in departmental committee work.
- To contribute to the development, planning and implementation of a high quality curriculum.
- To assist in the development of learning materials, preparing lesson plans and maintaining records to monitor student progress, achievement and attendance.
- To participate in departmental and faculty seminars aimed at sharing research outcomes and building interdisciplinary collaboration within and outside the department.
- To participate in the development, administration and marking of exams and other assessments of students within and without your department.
- To provide advice and support to students.
- Inform students of their progress by promptly returning assignments, quizzes, papers and exams
- To participate in the administration of the department's programs and other activities as requested.
- To contribute to departmental, faculty, or Academy-wide working groups or committees as requested.
- To maintain one's own continuing professional development.
- To maintain an awareness and observation of fire and health and safety regulations.

All academic staff are expected to demonstrate their ongoing commitment to academic excellence; that is, to the conduct of possible research, publication, teaching and other forms of knowledge transfer, at the highest levels of achievement.

## **ESSENTIAL SKILLS**

- Teaching and other forms of public presentation.
- Proven record of ability to supervise academic work by undergraduates and masters students.
- Proven record of ability to manage time and work to strict deadlines.
- Ability to write clearly and tailor communication style to meet the needs of the recipient.
- Ability to work collaboratively.
- Ability to share in organization and management of various Academy programs.
- Commitment to high quality teaching and fostering a positive learning environment for students.
- Commitment to continuous professional development.
- Commitment to MMA's policy of equal opportunity and the ability to work harmoniously with colleagues and students of all genders, cultures and backgrounds.
- Excellent interpersonal, organizational and communication skills are essential.
- Ability to maintain composure in stressful situations.
- High degree of professionalism.
- Demonstrated integrity and ability to maintain confidentiality.
- Demonstrated ability to adapt to changing priorities and conditions.

## **MINIMUM QUALIFICATIONS**

- Bachelor's degree from an accredited institution or the highest degree appropriate in physics, engineering, chemistry or related field.
- Membership in relevant professional organization(s).

- Normally will have been an active leader in industry, have produced professional writing or research in refereed and other professional journals, and be a recognized authority in the field of specialization.  
Must meet Academy criteria for appointment to the rank of Instructor

**SPECIAL CONDITIONS**

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