

JOB DESCRIPTION



Position Title: Instructor of Physics

Division: Math and Science

Employment Category: Faculty

Primary Location: District-wide

FLSA Classification: Exempt

Remote Work Eligible: No

Parameters: Full-Time; Academic Year

Pay Grade: Faculty

Position Summary: The Instructor of Physics is responsible for the instruction courses in the area Physics and provides classroom and lab instruction in various Physics courses, and related courses, for majors and non-majors district-wide. Full time faculty members are professional educators with the primary responsibility of providing a quality instruction for a diverse student population and performing instructional duties and responsibilities in accordance with the philosophy, mission, policies and procedures of the college.

Essential Functions: As defined under the Americans with Disabilities Act, may include any of the following tasks, knowledge, skills, and other characteristics. This list is ILLUSTRATIVE ONLY, and is not a comprehensive listing of all functions and tasks performed by incumbents of this class.

Duties and Responsibilities: Within the scope of college policies and procedures, this position:

Teaches assigned Physics, related courses and associated labs in accordance with the college's workload policy; maintains written instructional standards; facilitates instruction using alternative delivery methods as needed; informs students in writing of instructional standards; posts and maintains office hours; participates in the assessment of student learning outcomes; establishes, maintains and submits accurate student and instructional records in a timely manner

Develops new courses, curriculum, instructional materials, and evaluation tools; reviews and updates course outlines, textbooks, laboratories and course procedure sheets for Physics courses; assists with the preparation of course proposals, curriculum updates and the construction of degree/certificate programs

Applies and maintains standards of quality operating methods, processes, systems, and procedures; implements changes as necessary to maintain a successful Physics program; integrates knowledge of industry trends and professional training to continuously improve program quality

Participates in Physics course scheduling, department, division and college meetings; serves on college committees as assigned

Performs other related duties as assigned

General Expectations: Employees are expected to accomplish assigned duties in an efficient, effective and competent manner and to strive for improvement and excellence in all work performed. Additionally, employees must understand the comprehensive role of the community college and cooperate and work harmoniously with students, faculty and staff, and the public. Employees will follow all college policies, rules, regulations and guidelines as they relate to this position.

Education and Experience Requirements:

Master's degree in Physics from an institution accredited by an institutional accrediting body of higher learning recognized by the US Department of Education

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Knowledge, Skills and Abilities:

Knowledge of and ability to follow college policies and procedures
Knowledge of trends, developments, new technologies affecting Physics
Knowledge of curriculum and program development
Skill in current technologies and word processing, database, presentation, and spreadsheet software, specifically Microsoft Office applications
Skill in instructing students from diverse cultures and/or backgrounds
Skill in using authentic assessment to evaluate students' needs and progress
Skill in integrating technology into curriculum and other educational services
Ability to relate to a diverse population and to maintain composure when faced with difficult situations
Ability to organize, prioritize, and follow multiple and tasks through to completion with an attention to detail
Ability to work independently while contributing to team environment
Ability to communicate effectively, verbally and in writing, and to relate to others in a professional, helpful manner
Ability to effectively identify and resolve problems and to maintain strict confidentiality related to sensitive information
Ability to analyze problems, identifies solutions, and takes appropriate action to resolve problems using independent judgment and decision-making processes
Ability to establish and maintain effective working relationships with other department staff, faculty, students and the public

Preferred Qualifications:

Three years related professional experience
Successful teaching experience, preferably at a community college
Experience teaching using alternative delivery methods is desired.
Experience with use of technology in lecture and lab settings is preferred
Experience teaching astronomy at a community college

Work Environment: Work is primarily performed under general supervision in a typical classroom or laboratory setting with appropriate climate controls and includes potential exposure to mechanical and chemical hazards.

Physical Requirements: Essential functions of this position require: lifting, manual dexterity, ability to communicate, and exposure to biological and chemical hazards.

Sedentary Work: Exerting up to 10 pounds of force occasionally and/or a negligible amount of force frequently or constantly to lift, carry, push, pull or otherwise move objects, including the human body; involves sitting majority of time; walking and standing are required only occasionally and all other sedentary criteria are met

Mental Application: Utilizes memory for details, verbal instructions, emotional stability, critical thinking, adaptability and creative problem-solving skills are important

Reports to: Dean of Math and Sciences

Disclaimer: The above statements describe the general nature, level, and type of work performed by the incumbent(s) assigned to this classification. They are not intended to be an exhaustive list of all responsibilities, demands, and skills required of personnel so classified. Job descriptions are not intended to and do not imply or create any employment, compensation, or contract rights to any person or persons. Management reserves the right to add, delete, or modify any and/or all provisions of this description at any time as needed without notice. This job description supersedes earlier versions.