

# JOB DESCRIPTION



---

**Position Title:** Instructor of Physics and Geology

**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 and Geology is responsible for the instruction courses in the area of Physics and Geology and provides classroom and lab instruction in various Physics, Geology 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 and Geology, 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 and Geology 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 and Geology program; integrates knowledge of industry trends and professional training to continuously improve program quality

Participates in Physics and Geology 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:**

# JOB DESCRIPTION

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

## **Knowledge, Skills and Abilities:**

Knowledge of and ability to follow college policies and procedures  
Knowledge of trends, developments, new technologies affecting Physics and Geology  
Knowledge of curriculum and program development  
Knowledge of public relations/marketing practices and methods  
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 multi-task and organize, prioritize, and follow multiple projects 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

# JOB DESCRIPTION



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.