

Lecturer or Assistant Teaching Professor Mechanical
Engineering (Yuma)
Northern Arizona University

Direct Link: <https://www.AcademicKeys.com/r?job=243269>

Downloaded On: Aug. 22, 2024 12:20am

Posted Aug. 19, 2024, set to expire Dec. 13, 2024

Job Title	Lecturer or Assistant Teaching Professor Mechanical Engineering (Yuma)
Department	Mechanical Engineering Department
Institution	Northern Arizona University Yuma, Arizona
Date Posted	Aug. 19, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Lecturer/Instructor Assistant Professor
Academic Field(s)	Mechanical Engineering
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Job Description

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Lecturer or Assistant Teaching Professor Mechanical Engineering (Yuma)

Location: NAU - Yuma

Regular/Temporary: Regular

Job ID: 608017

Full/Part Time: Full-Time

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Workplace Culture

NAU aims to be the nation's preeminent engine of opportunity, vehicle of economic mobility, and driver of social impact by delivering equitable postsecondary value in Arizona and beyond.

About NAU

Northern Arizona University serves almost 30,000 students. We are a vibrant community, with 21,000 students in Flagstaff-the home of our largest campus-and the remainder online or at our 20+ statewide locations. Our institution has carefully integrated on-campus education with distance learning, forming seamless avenues for students to earn degrees.

Committed to an inclusive university environment, NAU has all the benefits of a large institution with a personal touch. We carefully balance teaching, scholarship, and service for faculty members. Supporting our core value of student-centrism, NAU's faculty members promote learning and help students reach academic milestones.

Flagstaff is an outdoorsy mountain town with four seasons and a thriving cultural scene. Located at 7,000 feet, Flagstaff houses 70,000 people and sits at the base of the sacred San Francisco Peaks.

For more about inclusive excellence at NAU, visit the [Center for Inclusive Excellence and Access](#).

About the Department/College

The Yuma Branch Campus of Northern Arizona University in Yuma, AZ is located on the grounds of Arizona Western College and serves a vital and growing local and regional community. NAU-Yuma has a primary role in providing a wide range of bachelor and graduate degrees in the Lower Colorado River region of Arizona and California with approximately 500 students on campus and an additional 1500 students engaged in distance learning programs.

The Department of Mechanical Engineering, that is part of the College of Engineering, Informatics, and Applied Sciences, offers undergraduate and graduate degrees. These include Bachelor of Science degree in Mechanical Engineering (ABET accredited), Master of Science in Mechanical Engineering - in-person and online options, PhD in Mechanical Engineering, and PhD in Bioengineering. The Department also supports an Interdisciplinary PhD degree in Engineering Sustainable Systems In collaboration with the School of Environment and Sustainability. The Department currently has approximately 600 students and 15 faculty.

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About the Position

The Mechanical Engineering Department seeks candidates for the position of Lecturer or Assistant Teaching Professor on the NAU Yuma campus. The selected candidate will report to the Mechanical Engineering Department Chair, will teach courses and laboratories, and will provide technical assistance and maintenance to all instructional laboratories within the department. The Department has five brand new laboratories at NAU Yuma that are used to teach electrical circuits, statics and mechanics of materials, fluid mechanics, heat transfer, and manufacturing (subtractive manufacturing). The selected candidate will operate experimental equipment available in the Mechanical Engineering laboratories, maintain the existing experimental and fabrication equipment, and learn how to operate equipment to be acquired in the future. The selected candidate will carry out routine machinery/equipment maintenance and repair, perform new equipment installation, and fabricate prototypes using the available fabrication equipment. This position will be considered the expert technician within the Mechanical Engineering Department and will be the go-to person for all educational lab equipment malfunctions.

Teaching Responsibilities:

- Teach at least two upper division Mechanical Engineering (ME) courses or the laboratory equivalent.
- Maintain office hours and direct interaction with students.
- Remain current in their discipline, updating course content when appropriate.
- Work with the ME Department faculty to develop and implement processes and tools for assessment of teaching and student learning outcomes incorporating appropriate methodologies and technology.

Lab Manager Responsibilities:

- Provides technical assistance to students in all Mechanical Engineering laboratories.
- Responsible for the maintenance, repair, inventory, physical security, and reporting of the engineering laboratory equipment associated with the laboratory and/or temporarily used in classrooms, and other related areas.
- Support student success in applying both learned classroom and technology skills associated with the engineering laboratory through demonstration, monitoring of equipment use, and performance of instructional activities.
- Supervises and trains student workers supporting all lab activities.
- Provides expert advice on fabrication feasibility of proposed projects submitted by faculty for

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instructional or research support.

- Operates all of the equipment available in the Department's laboratories and, when appropriate, trains others on how to use the equipment.

This position is an on-site position which requires the incumbent to complete their work primarily at the NAU Yuma campus, with or without accommodation. Opportunities for remote work are rare.

This is a full-time, 9-month, non-tenure track faculty position.

Minimum Qualifications

Lecturer

- MSc in Mechanical Engineering or a closely related field conferred by start date.
- A minimum of 3 years of College level teaching experience.
- Minimum of three years of experimentation, machining and project management experience.
- Minimum of five years of broadly diversified experience in a variety of positions involving complex, applied technology such as science projects, aerospace, nuclear power or sophisticated instruments.

Assistant Teaching Professor

- PhD in Mechanical Engineering or a closely related field conferred by start date.
- A minimum of 3 years of College level teaching experience.
- Minimum of three years of experimentation, machining and project management experience.
- Minimum of five years of broadly diversified experience in a variety of positions involving complex, applied technology such as science projects, aerospace, nuclear power or sophisticated instruments.

Preferred Qualifications

- Minimum of three years of industry experience.
- At least 5 years of College level teaching experience.
- Demonstrated experience in running experimental or fabrication-oriented facilities.
- Demonstrated maintenance experience with fabrication machinery.
- Demonstrated training experience in Computer Aided Design (CAD) as well as CNC milling, CNC

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turning, and CNC programming.

Compensation & Benefits

Commensurate with candidate's qualifications and related experience.

This is a Faculty (FAC) position. NAU offers an excellent benefit package including generous health, dental and vision insurance; participation in the Arizona State Retirement System (ASRS) or the Optional Retirement Program (ORP); sick leave accruals and 10 holidays per year; and tuition reduction for employees and qualified family members. More information on benefits at NAU is available at the NAU [HR benefits page](#). Faculty are hired on a contract basis, renewable according to terms of the [Conditions of Faculty Service](#). Employees offered a position will be eligible for state health plans (including NAU's BCBS Plan). Employees will have 31 days from date of hire to enroll in benefits, and their benefits will then be effective the first day of the pay period following their completed enrollment. If a new employee chooses the Arizona State Retirement System (ASRS) retirement option, participation in the ASRS Plan (and the long-term disability coverage that accompanies it) will begin on the first of the pay period following 183 days of employment. New employees who choose to participate in the Optional Retirement Plan (ORP; an alternative to the ASRS plan) will begin to participate on the first day of the pay period following election. The long-term disability plan that accompanies the ORP will begin on the first day of the pay period following election. More information about NAU benefits is available at the NAU [HR benefits page](#).

Pre-Employment Check

This position has been identified as a safety/security sensitive position. Therefore, per AZ Revised Statute, Northern Arizona University requires satisfactory results for the following: a criminal background investigation, employment history investigation, degree verification (in some cases) and fingerprinting. If you are applying for a job that requires a CDL, you will be required to register with the Federal Motor Carrier Safety Administration Drug & Alcohol Clearinghouse and adhere to the clearinghouse requirements. Additionally, as an employer in the state of Arizona, NAU is required to participate in the federal E-Verify program that assists employers with verifying new employees' right to work in the United States. Finally, each year Northern Arizona University releases an [Annual Security Report](#). The report is a result of a federal law known as the Clery Act. The report includes Clery reportable crime statistics for the three most recent completed calendar years and discloses procedures, practices and programs NAU uses to keep students and employees safe including how to report crimes or other emergencies occurring on campus. In addition, the [Fire Safety Report](#) is combined with the Annual Security Report for the NAU Flagstaff Mountain Campus as this campus has



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on-campus student housing. This report discloses fire safety policies and procedures related to on-campus student housing and statistics for fires that occurred in those facilities. If you would like a free paper copy of the report, please contact the NAUPD Records Department at (928) 523-8884 or by visiting the department at 525 E. Pine Knoll Drive in Flagstaff.

Immigration Suppt/Sponsorship

NAU will not provide any U.S. immigration support or sponsorship for this position.

FLSA Status

This position is exempt from the overtime provisions of the Fair Labor Standards Act (FLSA) and therefore will not earn overtime or compensatory time for additional time worked.

Submit Your Application

Vacancy will remain open until filled. Applications received before September 16, 2024 will receive full consideration.

To apply for this position, please click on the "Apply" button at the end of the job description (if viewing this position through the NAU HR website). Otherwise, to view the original post and to apply, proceed to nau.jobs, follow the 'Current Openings' link, locate vacancy **608017**, and then "Apply" at the bottom of the page.

Application must include (saved as PDF and/or Word documents):

1. a cover letter highlighting your particular qualifications for this position;
2. a curriculum vitae; and
3. names and contact information for three references.

Please do not include any other documents.

If you need assistance completing your application there are instructions available on the [HR website](#) or in person in the Human Resources Department located in Building 91 on the NAU Campus - on the corner of Beaver and DuPont Streets.

If you are an individual with a disability and need a reasonable accommodation to participate in the



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hiring process, please contact the Disability Resources Office at 928-523-8773, DR@nau.edu, or PO Box 5633, Flagstaff AZ 86011.

Equal Employment Opportunity

Northern Arizona University is a committed Equal Opportunity/Affirmative Action Institution. Women, minorities, veterans and individuals with disabilities are encouraged to apply. NAU is responsive to the needs of dual career couples.

[Know Your Rights Poster](#)

NAU is an Employer of National Service. AmeriCorps, Peace Corps, and other National Service alumni are encouraged to apply.

To apply, visit

https://hr.peoplesoft.nau.edu/psp/ph92prta/EMPLOYEE/HRMS/c/HRS_HRAM.HRS_APP_SCHJOB.GBL

jeid-13c0b86928c533428ba13598283329ae

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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