



Adjunct Instructor JOB DESCRIPTION

Form: HRF5013

DATE:	9/10/2018	POSITION #:	PFMETX
NAME OF INCUMBENT(S):			
JOB TITLE:	Adjunct Instructor – Manufacturing Engineering Technologies - Machining		
DIVISION:	Tech		
DEPARTMENT :	Trades Technology		
PAY TABLE/LEVEL/GRADE:	<i>Enter pay level.</i>	REPORTS TO:	FA9676

STATUS: *Please click the appropriate boxes that apply.*

- | | | |
|--|---|---|
| <input type="checkbox"/> Regular/Continuing | <input type="checkbox"/> Temporary/Limited Duration | <input type="checkbox"/> Full-Time (40 hrs/wk) |
| <input checked="" type="checkbox"/> Bargaining Unit: <u>MAHE</u> | <input type="checkbox"/> Individual Position | <input checked="" type="checkbox"/> Part-Time: <u>28</u> Hours/Week |
| <input type="checkbox"/> Non-Bargaining | <input checked="" type="checkbox"/> Pooled Position: | |
| <input type="checkbox"/> Provisional/Grant Funded | <u>21</u> No. of Employee if this position is pooled. | |

JOB SUMMARY: *(This section should summarize the overall purpose (“mission”) of this job in 1-4 sentences. Briefly describe the primary reason the job exists at LCC.)*

Program Specific Job Summary

The Lansing Community College Technical Careers Division, led by exceptional faculty in over 30 program areas, is seeking individuals who possess strong knowledge and skills in their field and have a passion to share their expertise with tomorrow’s emerging workforce. We focus on providing students with high quality education and training, including significant hands-on learning opportunities. If you seek an opportunity to work with a great team of faculty and staff committed to student success in a professionally driven environment, then consider the following opportunity.

The selected faculty member will be responsible for the instruction of classes/labs related to Manufacturing Engineering Technologies – Machining Programs. The individual should have a solid understanding of the machine tool field including manual and CNC machining, CNC programming, CAM and solid modeling, Metallurgy, and Metrology is desired. The individual will teach courses in Manufacturing Engineering Technologies consistent with current developments in the discipline and teaching methods. The ideal candidate will have current, relevant industry experience. Strong communication skills and computer proficiency are a must. This adjunct faculty will have the ability to teach lessons in the majority of the following areas:

- Manufacturing Processes
- Machine Tool Operations
- Introduction to CNC
- Advanced CNC
- Intro to Mastercam
- Advanced Mastercam

- Metallurgy and Heat Treatment
- Metrology and Advanced Inspection
- Eaton RESA Tech Careers High School Programs (Mechatronics, Machining, etc.)

Teaching assignments may include daytime and/or evening hours.

Part-time Teaching Faculty Assignments/Workload

Teaching Load Limits. Except as otherwise provided in this Agreement, each part-time Teaching Faculty member shall be accountable for teaching workload subject to the following limits:

- Adjunct Instructors shall not exceed twelve (12) workload hours of teaching during Fall Semester and twelve (12) workload hours of teaching during Spring Semester, together with all associated preparation (including customary updates/maintenance of assigned courses), assessment and evaluation, and student consultation/office hours; and
- Adjunct Instructors shall not exceed ten (10) workload hours of teaching during Summer Semester, together with all associated preparation (including customary updates/maintenance of assigned courses), assessment and evaluation, and student consultation/office hours.
- Increases in workload will not change the part-time status of bargaining unit members.

Professional Activities and Duties

In addition to or in lieu of teaching assignments, part-time Teaching Faculty may be given non-teaching assignments such as course development or revision, curriculum development, student advising, leadership assignments, etc., provided their workload does not regularly exceed the nominal equivalent of thirty (30) clock hours per week or 1560 clock hours in an academic year.

Nothing contained in this section is intended to modify the minimum workload opportunities or obligations of part-time Teaching Faculty as set forth in Article XIII. Employment Practices.

DIRECT REPORTS: *(If this is a supervisory position (authority to hire, assign, discipline, approve timesheets), list position #s of those supervised).*

Direct Report(s):	<i>Click here to enter position numbers. Use comma to separate</i>
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ESSENTIAL DUTIES AND RESPONSIBILITIES: *Identify and describe the essential duties and responsibilities, i.e., what actions are done and what are the expected results. Most jobs can be described using 5-10 statements. List in priority order, beginning with top priority/must get done, with approximate percent for each (e.g. 20% 1. reconciles grant fund expenditures to balance monthly budget). "Other duties, as assigned," are implicit in all position descriptions.*

%	No	Program Specific Duties
<u>70</u>	1	Instruction – Provide instruction in Manufacturing Engineering Technologies - Machining Program (METM) courses and assess learning utilizing varied instructional modes. Support student success by maintaining regular office hours, mentoring and consulting with students.
<u>10</u>	2	Curriculum – Participate in curriculum development and planning and advise students on curriculum, academic programs, employment, career goals, and other appropriate matters.

<u>10</u>	3	Faculty Professional Development – Demonstrate a continuing engagement with the learning and scholarship of the area of specialization, striving to be on the cutting edge of professional content knowledge and methodology.
<u>10</u>	4	Planning – Ensure implementation of established curriculum and provide strong support for students in their pursuit of established expectations. Create plans that promote the development of higher-order thinking skills in the instructional process. Work on MET - Machining projects as needed.

Teaching Faculty Student Consultation/Office Hours

Teaching Faculty student consultation/office hours will be a minimum of one-quarter (1/4) hour consultation per week per one (1) teaching workload hour of assigned classes. Scheduling will be the responsibility of the individual teaching faculty, while taking into account the needs of the students, the department, and the College.

Teaching Faculty with face-to-face teaching assignments must be available for face-to-face student consultation/office hours at or near the location where the course is taught provided suitable space is available.

Teaching Faculty with online teaching assignments must be available online for student consultation/office hours for those courses.

Teaching Faculty with hybrid teaching assignments must be available face-to-face at or near the location where the course is taught, provided suitable space is available, and/or online for student consultation/office hours, as determined by student preferences.

All course section syllabi will contain:

LCC contact information (phone number and/or e-mail address) where students may contact the faculty member and

Times, modes, and/or locations available for student consultation/ office hours.

Student consultation/office hours will be posted and regularly maintained by each faculty member in the manner established by their program/department pursuant to Article IX. Participation in Governance, and will not be changed without prior written or electronic notice to the supervisor and students.

CORE COMPETENCIES. *Record the knowledge, skills and abilities necessary to perform the essential functions of this position. Provide descriptions of core competencies below (e.g. communication, customer service, decision-making, leadership, problem-solving, etc.). An incumbent or applicant must be able to demonstrate and results must be measurable.*

Must possess excellent organizational skills, technology skills, be detail, team-oriented, and have excellent communication skills. Must be able to develop and deliver the Manufacturing Engineering Technology - Machining curriculum in the subject area being taught, utilize best practices, and web technologies to deliver instruction, develop authentic learning projects, and develop and maintain contacts and partnerships with those in the industry. Be an advocate for lab safety and be very familiar with Personal Protective Equipment and safe industry practices.

EDUCATIONAL/EXPERIENCE REQUIREMENTS: *Identify the education and/or equivalent combination of education and experience, plus additional specific years of experience, certifications, licenses and/or special training required to perform the essential functions of this job.*

Program specific education/experience:

Required:

- Bachelor's Degree in Manufacturing Technologies/related degree and two (2) years relevant experience; OR Associate's Degree in Manufacturing Technologies/related degree and four (4) years relevant experience; OR Journey status in a manufacturing trade and four (4) years recent/relevant work; OR High School Diploma and eight (8) years recent/relevant documented work.

Preferred Qualifications

- Instructional teaching experience in secondary and/or post/secondary education.
- Bachelor's Degree in Manufacturing Engineering, metallurgy, chemistry, metrology, or related field.
- Experience in a metallurgy/heat treatment lab environment.
- Experience in 5 axis, contoured surface, and high speed machining.
- Experience in metrology: stationary/portable CCM, SPC, Quality
- Software experience with Mastercam, Solid Edge, NX, Unigraphics.

General Adjunct Instructor Requirements:




Primary duty and responsibility of teaching students in instructional settings;

Functioning as the principal source of instruction and the faculty of record in the instructional setting for a course, class, workshop, etc., offered for academic credit (i.e., designated by the College as responsible for the course, class, workshop, etc., including assigning the grade); and

Being responsible for curriculum planning and development; preparation and delivery of course content in accordance with student needs; comprehensive assessment and grading in the assigned course, class, workshop, etc., offered for academic credit.

PHYSICAL AND MENTAL REQUIREMENTS: *Complete the physical and mental demands on the attached ADA Checklist that must be met to successfully perform the essential functions of this job. Mobility around the LCC campus is a normal part of the position's functions. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. **Go to the ADA Checklist.***

WORK ENVIRONMENT: *Complete the work environment characteristics on the attached ADA Checklist that must be met to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. **Go to the ADA Checklist.***

Incumbent's Name (if any).		Incumbent's Signature*		Date	
Supervisor's Name	<u>Cathy Wilhm</u>	Supervisor's Signature*		Date	<u>9/12/18</u>
Dean/ELT's Name	<u>Mark Cosgrove</u>	Dean/ELT's Signature		Date	<u>9-12-18</u>
<i>Note: Signature means approval, otherwise return for signatures.</i>					
Human Resources Rep.	<u>Sydney Glasscoe</u>	HR Rep Signature		Date	<u>9/20/2018</u>
<i>Note: Position description to be reviewed annually, upon posting or transfer of person or position.</i>					

Lansing Community College

ADA Compliance Job Description Checklist

The immediate supervisor is responsible for completion of this form. Fill in more information as needed that apply to the essential job duties of the attached job description.

Position #: **PFMETX**

Date: **9/10/2018**

Supervisor's Position #: **FA9676**

Materials Used:

Standard Office Equipment:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Computer keyboard, mouse, screen (either desktop or laptop) | <input checked="" type="checkbox"/> Paper and Pencil/pen |
| <input checked="" type="checkbox"/> Various software (spreadsheet, word-processing, web-base, other media) | <input checked="" type="checkbox"/> Projector and Screen |
| <input checked="" type="checkbox"/> Telephone, blackberry, fax | <input checked="" type="checkbox"/> Copier, collator, reproduction |

Others, please list:

Standard Trades Equipment:

- | | | |
|------------------------------------|-------------------------------------|-----------------------------------|
| <input type="checkbox"/> Carpentry | <input type="checkbox"/> Electrical | <input type="checkbox"/> Plumbing |
|------------------------------------|-------------------------------------|-----------------------------------|

Others repair/maintenance tools, please list:

Mental Functions:

- | | |
|---|---|
| <input checked="" type="checkbox"/> Comparing (compare/contrast data, people, things) | <input checked="" type="checkbox"/> Copying (entering, posting, transcribing data) |
| <input checked="" type="checkbox"/> Synthesizing (combine data, concepts, interpretations) | <input checked="" type="checkbox"/> Analyzing (examine, test data, present alternative actions) |
| <input checked="" type="checkbox"/> Computing (math calculations or carrying out formula operations) | |
| <input checked="" type="checkbox"/> Compiling (gathering, classifying, evaluating data, people, things) | |

Auditory Functions:

- Talking (express ideas, thoughts, languages, conveying details, accurately, loudly, quickly)
- Hearing (receive details through oral communication, make fine differences in sound with other sound interference e.g. running machines, other people)

Visionary Functions:

- Near acuity (at 20 inches or less when minute accuracy is essential)
- Far acuity (more than 20 inches when day and night/dark conditions are essential)
- Depth perception (3 dimensional vision, judge distances, space)
- Color vision (distinguish colors)
- Field of vision (up-down and right-left)

Smell and Tasting Functions:

- Flavors & odors (distinguish similarities, differences, intensities, qualities using tongue & nose)

Movement, Strength, Repetition Functions:

- | | | | | |
|--|--|--|--|---|
| <input checked="" type="checkbox"/> Climbing | <input checked="" type="checkbox"/> Kneeling | <input checked="" type="checkbox"/> Reaching | <input checked="" type="checkbox"/> Balancing | <input checked="" type="checkbox"/> Crouching |
| <input checked="" type="checkbox"/> Grasping | <input checked="" type="checkbox"/> Stooping | <input checked="" type="checkbox"/> Crawling | <input checked="" type="checkbox"/> Picking/Typing/Keyboarding | |
- Sedentary (exert up to 10 lbs of force to lift, carry, push, pull, move objects; sit most of the time)
 - Light (exert up to 20 lbs of force to lift, carry, push, pull, move object; walk/stand occasionally)
 - Medium (exert 21-50 lbs of force, walk/stand frequently)
 - Heavy (exert 51-100 lbs of force, walk/stand routinely)
 - Very Heavy (exert over 100 lbs of force, walk/stand routinely)

Environmental Conditions:

- | | |
|--|---|
| <input type="checkbox"/> Weather (rain, snow, wind) | <input checked="" type="checkbox"/> Vibrations |
| <input type="checkbox"/> Extreme cold (inside, outside) | <input checked="" type="checkbox"/> Hazards (fumes, odors, dust, toxic chemicals, allergens, |
| <input checked="" type="checkbox"/> Extreme heat (inside, outside) | <input checked="" type="checkbox"/> Extreme noises |
| <input checked="" type="checkbox"/> Confined/restricted spaces | <input checked="" type="checkbox"/> Hazards (fumes, odors, dust, toxic chemicals, allergens, poor ventilation, shock) |