INSTRUCTOR
INTERNATIONAL SPECIALIZED PROGRAMS

JOB DESCRIPTION

The University of Washington (UW) is proud to be one of the nation’s premier educational and research institutions. UWC², the continuing education branch of the University of Washington, has been building bridges between the UW and communities across the globe since 1912.

International Specialized Programs, one of UWC²’s units, has an outstanding opportunity for up to two Part-time Instructors within its new customized Robotic Design and Artificial Intelligence program. Class sessions meet Monday through Friday and will be located mostly on the UW Seattle campus and once per week at the Puget Sound Plaza. One program instructor will receive additional compensation to create course curriculum prior to the start of the program.

Position Titles: 1. Introduction to Robotic Design Lecturer, Part-Time, Customized Program (up to two* positions)

2. Introduction to Robotic Design Curriculum Developer, Part-Time, Customized Program (one position)

Appointment Period: Summer quarter 2018 (Program dates are August 6-August 24)

Eligibility: Open; final selection(s) made by April 12, 2018

Closing Date: Please apply by Friday, April 6, 2018

Salary: Lecturer only: $4,950
Curriculum developer (must be combined with Lecturer position for one instructor): $1,500

The Introduction to Robotic Design course is part of a three-week customized Robotic Design and Artificial Intelligence summer program for up to 60* visiting university students from China. The program includes a separate 10-hour Presentation Skills for STEM course in addition to this Robotics course. Learning outcomes for the full program include students being able to speak confidently about technology-related issues and concepts as well as analyze current practices. The program includes a culminating lecturer-led project related to Robotic Design.

Students selected for this program will have some prior experience studying engineering, although they will not necessarily have a background in robotics. They will be 18 years of age or older and will be expected to follow all course content without requiring any tailoring to language proficiency levels.
The summer quarter lecturer position includes 45 class hours between August 6-August 24 with 36 class hours and 9 total hours of lecturer-led site visits occurring between 9:30 am-12:30 pm daily, Monday-Friday (except one site visit, scheduled for Tuesday, August 7 between 2:30-5:30 pm).

*Two lecturers will be hired in the event of a group size over 30 students.

**Lecturer Commitment and Responsibilities:**

- Deliver lectures for each class using specific course curriculum developed by the curriculum developer (below)
- Select, plan, and lead three active site visits, to sites on the UW campus or in the Seattle metro area relevant to the program theme (at least one site visit not on the UW campus)
- In the event of a group size of more than 30 students, regularly collaborate with other course instructor to ensure all students receive the same content and quality of experience throughout program
- Grade and formally submit grades for all student assignments, including any group work and final projects
- Attend all program planning meetings (to be scheduled once all teaching positions are filled)
- Attend program welcome event (August 6, 10:00-10:30) and program closing event (August 24, 1:30-3:00pm)
- Complete online course debrief survey for lecturers

**Curriculum Developer Responsibilities:**

- Create and share lesson plans, lectures and activities for each class; organize course content to fit appropriately into the short program format
- Research and suggest a variety of possible active site visits to sites on the UW campus and in the Seattle metro area relevant to the program theme
- In the event of a group size of more than 30 students, ensure that other course lecturer receives and understands course curriculum well before the start of the course in order to provide the same content and quality of experience throughout program
- Provide UWC² program director with completed curriculum prior to start of program and all curriculum modifications at conclusion of program
  - Curriculum includes:
    - Syllabus template and curriculum page
    - Course scope and sequence
    - Course calendar
    - Daily lesson plans (can be combined with calendar)
    - Lecturer course guide
    - Materials and assessment rubric
- Provide Presentation Skills lecturers with access to course materials prior to start of program
Minimum Qualifications:
- Completed MA, MS, PhD in progress or PhD with degree related to program theme
- Teaching experience, including leading hands-on activities and research projects
- Excellent organizational and decision-making skills
- Excellent oral and written communication skills
- Experience working/interacting with students from non-U.S. cultures

Lecturer Compensation:

$4,950 paid over summer quarter 2018. Salary is distributed according to UW dates and procedures.

Curriculum Developer Compensation:

$1,500 paid in lump sum upon receipt of completed and approved curriculum deliverables to UWC² program director.

COURSE DESCRIPTION

Introduction to Robotic Design

This non-credit course is designed to provide an overview of robot mechanisms, dynamics, and artificial intelligence decision-making. Students will design and fabricate basic working robotic systems in a group-based project or complete a group research project related to robotics design, incorporating aspects of artificial intelligence used in robotic design. The course includes visits to three UW labs, businesses or other sites related to the program theme located in the Seattle metro area occurring once a week with course lecturer. Students successfully completing this course will be able to:

- Experience and explain the engineering process
- Describe industry-related design processes using the correct technical vocabulary
- Discuss how robotic design and artificial intelligence impact various modern human activity
- Build functional simple robots

APPLY TO TEACH
Electronic applications must include a cover letter outlining your interest in pursuing this position, along with a current resume or curriculum vitae to:

Position Selection Committee
ISPinfo@uw.edu
No phone calls will be accepted.

Please put the words **Introduction to Robotic Design** in the subject line of your email, and specify in your cover letter if you are interested in both teaching and curriculum design or only teaching.

*The University is an affirmative action, equal opportunity employer. To build on a culturally diverse faculty and staff we strongly encourage applications from women, minorities, individuals with disabilities and covered veterans.*

Thank you for your interest in this position.