

UW HEALTH JOB DESCRIPTION

Cardiovascular Sonography Instructor

Job Code: 500002	FLSA Status: Exempt	Mgt. Approval: B. Willey	Date: November 2022
Department: HR - Ultrasound Tech Schl		HR Approval: S. Whitlock	Date: November 2022

JOB SUMMARY

Under the direction of the Program Manager, the Cardiovascular Sonography Instructor is responsible for teaching the School of Diagnostic Medical Sonography curriculum and instructing and grading the clinical education laboratory experiences for students enrolled in the School of Diagnostic Medical Sonography.

The Cardiovascular Sonography Instructor must oversee an educational curriculum that offers intensive academic and clinical training in various specialties of ultrasound imaging. The Cardiovascular Sonography Instructor must be capable of understanding scientific publications on topics related to medical imaging at the practicing instructor sonographer levels.

The Cardiovascular Sonography Instructor must have broad knowledge and experience in the application of ultrasound to a wide range of specialties. This individual is responsible for ensuring that students are well prepared for the following certification examinations conducted by the American Registry of Diagnostic Medical Sonographers:

- Sonographic Principles and Instrumentation (SPI)
- Adult Echocardiography
- Pediatric Echocardiography
- Vascular Technology

The incumbent must be capable of teaching courses on any of these topics.

The incumbent is required to participate in a dynamic, constantly evolving curriculum, driven by the rapid pace of technological change in ultrasound imaging equipment, the expanding scientific knowledge base, and advances in instructional technology.

The position requires a high level of organizational skills. UW faculty and staff members contribute to academic programs as lecturers. The Cardiovascular Sonography Instructor is responsible for instructing courses and correlating laboratory exercises for each course they teach, as assigned by the Program Manager. The Cardiovascular Sonography Instructor shall maintain current knowledge of sonographic and/or other noninvasive diagnostic vascular techniques and educational methodology through continuing professional development.

The incumbent must be able to motivate and inspire students and interact with a wide variety of sonographers, physicians, professors, administrators, patients, and the general public. Because the educational effort of most guest lecturers and clinical instructors is without monetary compensation, their participation depends upon a positive relationship with all school faculty. While the Program Manager monitors the overall program direction and performance, the Cardiovascular Sonography Instructor ensures that course and clinical laboratory exercises meet course objectives, for each course they teach. The position requires the ability to independently arrive at decisions after consulting a wide spectrum of information sources.

MAJOR RESPONSIBILITIES

I. Assists with planning academic curriculum.

- A. Evaluates effectiveness of teaching by reviewing graduate performance on national certification examinations, employer surveys, graduate surveys and student surveys.
- B. Participates in updating curricular changes with academic faculty to include professors from anatomy, medical physics, radiology, cardiology and vascular surgery.
- C. Reviews and evaluates new teaching materials with school faculty.
- D. Schedules lectures and teaches academic courses.

2. Monitors Clinical laboratory exercises and grading

- A. Evaluates effectiveness of clinical training from employer and recent graduate surveys, clinical competency tests, student evaluations, etc.
- B. Reviews student evaluations of clinical laboratory exercises with program director and clinical coordinator.

3. Develops and maintains relationships with multiple departments and institutions to provide clinical training for sonography students

- A. Communicates with clinical instructors regarding continuing education activities.

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B. Attends advisory committee meetings.

4. Supervises sonography students

- A. Assists program director with student research projects to include IRB submissions.
- B. Provides individual tutoring to students when needed.
- C. Participates in student disciplinary actions as needed.

5. Conducts formal lectures, laboratory demonstrations, review classes and examinations

- A. Selects new textbooks and recent journal articles to update lecture content.
- B. Prepares detailed written handouts for each lecture.
- C. Prepares audiovisual materials for each lecture.

6. Engages in continuing education activities

- A. Maintains and updates clinical skills by performing and observing patient diagnostic ultrasound examinations.
- B. Participates in contributing new knowledge to the field by publishing professional papers and participating and consulting in research activities.
- C. Serves as a community resource for information on topics in diagnostic medical sonography through lecturing at local meetings.
- D. Attends educational meetings

ALL DUTIES AND REQUIREMENTS MUST BE PERFORMED CONSISTENT WITH THE UW HEALTH PERFORMANCE STANDARDS.

JOB REQUIREMENTS

Education	Minimum	<ul style="list-style-type: none"> • Bachelor's Degree • Graduate of an accredited 2-year certificate program in diagnostic medical sonography
	Preferred	<ul style="list-style-type: none"> • Baccalaureate Degree in Education or another relevant field
Work Experience	Minimum	Three (3) years full-time professional experience as an adult echo and vascular sonographer
	Preferred	Five (5) years full-time professional experience as an adult echo and vascular sonographer
Licenses & Certifications	Minimum	ARDMS, RDCS (Adult Echocardiography) RDCS (Pediatric Echocardiography), and RVT (Registered Vascular Technologist) OR CCI, RCS (Registered Cardiac Sonographer) RVS (Registered Vascular Sonographer) and RCCS (Registered Congenital Cardiac Sonographer)
	Preferred	CCI, ACS (Advanced Cardiac Sonographer)
Required Skills, Knowledge, and Abilities		<ul style="list-style-type: none"> • Ability to perform diagnostic ultrasound examinations as related to the disciplines being taught. • Ability to technically assess diagnostic ultrasound examinations. • Ability to understand scientific publications on topics related to ultrasound imaging at the physician level. • Ability to explain complex concepts involving anatomy, physiology, pathology, physics and image interpretation. • Ability to organize, coordinate, and integrate complex two year academic and clinical lab exercises. • Ability to supervise and motivate students. • Ability to teach to a variety of learners and abilities

AGE SPECIFIC COMPETENCY (Clinical jobs only)

Identify age-specific competencies for direct and indirect patient care providers who regularly assess, manage and treat patients.

Instructions: Indicate the age groups of patients served either by direct or indirect patient care by checking the appropriate boxes below. Next,

	Infants (Birth – 11 months)		Adolescent (13 – 19 years)
	Toddlers (1 – 3 years)	x	Young Adult (20 – 40 years)
	Preschool (4 – 5 years)	x	Middle Adult (41 – 65 years)

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School Age (6 – 12 years)	x	Older Adult (Over 65 years)	
JOB FUNCTIONS			
Review the employee's job description and identify each essential function that is performed differently based on the age group of the patient.			
PHYSICAL REQUIREMENTS			
Indicate the appropriate physical requirements of this job in the course of a shift. <i>Note: reasonable accommodations may be made available for individuals with disabilities to perform the essential functions of this position.</i>			
Physical Demand Level	Occasional Up to 33% of the time	Frequent 34%-66% of the time	Constant 67%-100% of the time
Sedentary: Ability to lift up to 10 pounds maximum and occasionally lifting and/or carrying such articles as dockets, ledgers and small tools. Although a sedentary job is defined as one, which involves sitting, a certain amount of walking and standing is often necessary in carrying out job duties. Jobs are sedentary if walking and standing are required only occasionally and other sedentary criteria are met.	Up to 10#	Negligible	Negligible
x Light: Ability to lift up to 20 pounds maximum with frequent lifting and/or carrying of objects weighing up to 10 pounds. Even though the weight lifted may only be a negligible amount, a job is in this category when it requires walking or standing to a significant degree.	Up to 20#	Up to 10# or requires significant walking or standing, or requires pushing/pulling of arm/leg controls	Negligible or constant push/pull of items of negligible weight
Medium: Ability to lift up to 50 pounds maximum with frequent lifting/and or carrying objects weighing up to 25 pounds.	20-50#	10-25#	Negligible-10#
Heavy: Ability to lift up to 100 pounds maximum with frequent lifting and/or carrying objects weighing up to 50 pounds.	50-100#	25-50#	10-20#
Very Heavy: Ability to lift over 100 pounds with frequent lifting and/or carrying objects weighing over 50 pounds.	Over 100#	Over 50#	Over 20#
List any other physical requirements or bona fide occupational qualifications:			