

# AgriLife Classification Description

Last Updated: 4/17/02

5050  
LABORATORY DEMONSTRATION SUPERVISOR  
11/01/01

## SUMMARY

**General Description:** Instructs and supervises staff assigned to work in demonstration laboratories and participates in the design, preparation, installation, and operation of laboratory demonstrations to illustrate teaching objectives in physical science, life science, engineering, design, or construction teaching laboratories.

## DUTIES

**Typical:** Selects, designs, or modifies equipment and instruments used to illustrate scientific principles or other teaching objectives; works with Laboratory Mechanics, Scientific Instrument Makers, and Student Workers in fabrication, modification, installation, and operation of equipment and instruments; checks work in progress including verification of very fine measurements and tolerances in materials and processes of science or engineering discipline involved; instructs Graduate Assistants or others in the operation of demonstrations; supervises and verifies the scheduling and setup of demonstrations based on schedule of laboratory classes in multiple laboratories teaching different principles or objectives; advises faculty concerning instruments and equipment available for experiments and demonstrations and the time and cost for developing or modifying equipment and instruments; assists faculty in design of experiments and demonstrations to illustrate desired principles or teaching objectives; orders and maintains records of equipment, instruments and materials in laboratories served to include necessary maintenance schedules and/or replacement; performs related duties as required.

## SUPERVISION

**Received:** General instruction and periodic review from immediate supervisor.

**Given:** Detailed initial instruction and frequent review to Laboratory Mechanics, Scientific Instrument Makers, Technicians, and Student Workers.

## EDUCATION

**Required:** Bachelor's degree in science, engineering, design, or construction discipline taught in the laboratories served; training or experience in electronics, mechanics, or instrument making and repair of materials used in the laboratories or any equivalent combination of training and experience.

**Preferred:** None.

## EXPERIENCE

**Required:** Three to five years experience in design, fabrication, or instrumentation in constructing, installing, and operating laboratory and lecture demonstrations in university teaching laboratories including one year in a supervisory capacity.

**Preferred:** Five to eight years experience in design, fabrication, installation, and operation of similar laboratory and lecture demonstrations in a university or college teaching laboratory including three years in a supervisory capacity; laboratory teaching experience in the discipline taught in the laboratories.