

AgriLife Classification Description

7156
RESEARCH SCIENTIST

SUMMARY

General Description: Independently conducts assigned research projects, with collaborative and/or supervisory roles in research.

DUTIES

Typical: Designs, performs and analyzes experiments consistent with the project objectives; conducts independent research; validates strategic decision-aid models; keeps detailed records of procedures and data; develops procedures to improve efficiency and accuracy of data collection and analyses; identifies, assimilates and synthesizes data needed for computer models and manages databases relating to statistical and related software; supervises computer systems administration, including design, development, application and maintenance of telecommunication data links and electronic data collection instrumentation; maintains expertise with the latest hardware and software technologies for statistical and numerical data analyses; prepares data for publication and presentation; integrates disciplines to address pertinent issues; assists with publication and grant preparation and develops contract proposals; coordinates laboratory activities.

SUPERVISION

Received: Periodic review of work from unit head or other supervisor.

Given: Supervise support personnel conducting research.

EDUCATION

Required: Ph.D. in relevant field, D.V.M. or M.D. and six years of related professional experience, or M.S. degree in relevant field and ten years of related professional experience.

KNOWLEDGE, ABILITIES AND SKILLS:

Required: Familiarity with appropriate laboratory, farm and/or technical equipment. Ability to effectively utilize a computer and applicable software to create databases, perform statistical analysis, present data and perform other computer related tasks as directed by the supervisor.