

RESEARCH INFRASTRUCTURE DEVELOPMENT AND ENHANCEMENT

Elizabeth Noel, PhD

Associate Vice President, Research
Office of Research and Development



RESEARCH INFRASTRUCTURE

The Office of Research and Development is an integral part of the research infrastructure.

- The Research Infrastructure may be described as the basic facilities, materials, supplies, and the collection of human capital (behaviors and actions), that guide, support, manage and enhance the total university environment.
- These elements help the University engage in the processes expected/required by the scholarly community to engage in research.



RESEARCH INFRASTRUCTURE

- Research, an integral component of the University since the University accepted land grant status following the Morrill Act of 1890 and established a branch of the Agricultural Experiment Station in 1947 as a result of the 1887 Hatch Act.
- These actions began the tradition of agricultural research and community service, which continues today.



RESEARCH INFRASTRUCTURE

- The division of graduate studies began in 1937 with offerings in agricultural economics, rural education, agricultural education, school administration and supervision, and rural sociology.
- The current research foci include extending knowledge in all disciplines offered and incorporating research-based experiences in both undergraduate and graduate students' academic development.



RESEARCH INFRASTRUCTURE

- During FY `07, at least one graduate major was offered in each of the eight colleges and schools.
- General oversight of all graduate programs is provided by the Graduate Council, an organ of the Graduate School.
- The University mission statement indicates that it is committed to expanding its advanced educational offerings to include multiple doctoral programs.
- The first doctoral program was initiated in 2000 with classes beginning in January 2001.



RESEARCH INFRASTRUCTURE

- In order for the University to effectively and efficiently initiate and expand graduate study programs, especially at the doctoral level, it is imperative that support is provided for increasing scholarship among faculty and professional staff.
- It is essential that faculty and professional staff engage in coordinated planning, implementation, evaluation, and dissemination of basic and applied research results.
- It is essential that the educational outcomes of future professionals can be documented through specified learning outcomes in research.



RESEARCH INFRASTRUCTURE

- Research infrastructure development and enhancement is significantly critical to achieving relevance in the research component of the mission.
- Research provides an avenue to address issues and propose solutions designed to respond to the needs and aspirations of individuals, families, organizations, agencies, schools and communities – both rural and urban.
- Discovery through research is the foundation for teaching/learning and service/engagement.
- In order to enhance the research environment, greater coordination must exist between research and teaching, especially graduate study programs.



RESEARCH INFRASTRUCTURE

- Research infrastructure development and enhancement is essential to:
 - building the capacity of the institution to attract external funding for research;
 - helping move the university closer to achieving and/or exceeding the state performance goal for expenditure of externally funded research dollars (currently \$9-11M annually);
 - coordinating activities among general institutional research, institutional effectiveness (assessment), graduate studies, applied research, and finally to the development of a community of research scholarly endeavors.



RESEARCH

A systematic investigation, including research development, testing, and evaluation, designed to develop or contribute to generalizable knowledge.

- Activities which meet this definition constitute research for purposes of this policy, whether or not they are conducted or supported under a program which is considered research or for other purposes.
- Some demonstration and service programs may include research activities.

(TITLE 45, CODE OF FEDERAL REGULATIONS, PART 46.102).



RESEARCH REGULATIONS

TAMUS Regulation 15.01.01, Administration of Research and Sponsored Agreements

Categorizes research as:

- **University research** – all research and development activities that are separately budgeted and accounted for by the institution under an internal application of institutional funds.
- **Organized research** – all research and development activities of an institution that are separately budgeted and accounted for.
- **Departmental research** – all research, development and scholarly activities that are not organized research and consequently is not accounted for by a separate budget.



RESEARCH REGULATIONS

TAMUS Regulation 15.01.01, Administration of Research and Sponsored Agreements

Categorizes research as:

- **Sponsored research** – all research and development activities that are externally sponsored by federal and non-federal agencies and organizations.

Categorizes Sponsored Program Agreements as:

- activities that include programs and projects that are supported in whole or in part with funds, materials, or other resources provided by sources outside the University as grants, contracts, or cooperative agreements. These agreements are typically for Instruction and Training or Other Activities which involve the performance of work, i.e., community service programs. These activities may be categorized as research, but are typically not defined as such.



REGULATORY COMPLIANCE

RESEARCH REGULATORY COMPLIANCE REQUIREMENTS

Apply to ALL university research, teaching or service activities.

- As mandated by federal law, the University is in compliance with the Department of Health and Human Services (DHHS) when, according to University procedures, all such research, funded or not, conducted by University personnel or students, or otherwise sponsored by the University, and having human participants, must be reviewed by the Institutional Review Board (IRB).
- Approval must be obtained prior to the conduct of any activity and the project must be reviewed at least annually for as long as it is active. In a continuous project, a new protocol application must be submitted every three years.



REGULATORY COMPLIANCE

ASSESSMENT AND REGULATORY COMPLIANCE

- Information obtained for the purpose of **documenting the effectiveness** of an institutional-wide component or a College/School, department, division or Center at the University and **intended to guide good practice** for the unit being assessed, does not require Regulatory Compliance Committee review or approval prior to commencing substantive work.
- Information gathered during this effort **CANNOT** be used for any private or personal research purposes, i.e., presentation or publication, without prior approval of the University Regulatory Compliance Committee organized to help ensure the rights and welfare of participants in research activities.

REGULATORY COMPLIANCE

ASSESSMENT DATA

- If it is determined, after information has been obtained through an assessment process, that the information could be used for presentation or publication, approval by a University Regulatory Compliance Committee must be sought and received prior to use of the information for either publication or presentation in any format other than as an internal institutional report.



REGULATORY COMPLIANCE

CLASSROOM/LABORATORY ACTIVITIES AND REGULATORY COMPLIANCE

- Research as normal classroom/laboratory activities designed to train students in research methods, usually do not fall within the federal definition of research.
- Course work in Research Methods should include information regarding Research Regulatory Compliance requirements for the conduct of research.



REGULATORY COMPLIANCE

Adherence to Regulatory Compliance Guidance

Faculty members teaching Research Methods as normal classroom/laboratory activities should complete and submit to the Office of Research Regulatory Compliance, Office of Research and Development, the **Classroom Research Project Protocol Application** prior to the first class day during an enrollment period during which the course will be taught, but definitely prior to the collection of data.

REGULATORY COMPLIANCE

The **Classroom Research Project Protocol Application** should include:

- a copy of the course syllabus that outlines student performance expectations – learning outcomes.
- the submitted protocol application will be reviewed by the appropriate compliance committee(s) and NOTIFICATION of status will be provided to the faculty member within 30 days of submission.
- this approval process for Classroom/Laboratory research activities eliminates the need for individual student protocol applications and approval when the planned activities are a part of normal classroom/laboratory expectations and will be conducted within the classroom/laboratory setting.



REGULATORY COMPLIANCE

ALL RESEARCH conducted with the intent to contribute to generalizable knowledge through publication or presentation within an academic discipline, including that originating from classroom or other institutional activities or that reach outside the classroom/laboratory, **MUST** meet the institutional Research Regulatory Compliance requirement and have available, upon request, an approved protocol for review.



REGULATORY COMPLIANCE

- Undergraduate and graduate student research (major term papers, theses, and dissertations) clearly fall within the federal definition of research.
- The plan for ALL major term papers, theses, or dissertation research MUST have an approved protocol on file prior to commencing substantive work on the project.
- Documentation of protocol approval should be included in the final copy of the term paper, thesis, or dissertation submitted to the University.



REGULATORY COMPLIANCE

The regulatory compliance committee responsible for safeguarding the rights and welfare of human participants is the Institutional Review Board (IRB); for safeguarding the humane care and treatment of animals is the Institutional Animal Care and Use Committee (IACUC); and for activities involving Bio-hazards, recombinant DNA molecules, and radiation safety is the Institutional Bio-safety Committee (IBC).



HUMAN SUBJECTS

A frequently asked question - is the activity human subject research?

- **Research is human subject research** when a living individual provides data through intervention or interaction with an investigator or the investigator is provided identifiable private information about an individual.

Intervention includes physical/psychological procedures, manipulations of the subject, or manipulations of the subject's environment for research purposes.

Interaction includes communication between the investigator and the subject. This includes face-to-face, mail, and phone interaction as well as any other mode of communication.



HUMAN SUBJECTS

- **An institution becomes engaged in human subject's research** when its employees or agents intervene or interact with living individuals for research purposes or obtain individually identifiable private information for research purposes.

Human Subjects research is the **MOST COMMON** research type conducted at PVAMU and originates primarily from the Colleges of Education and Juvenile Justice and Psychology.



HUMAN SUBJECTS

INFORMED CONSENT

- When human subjects are involved in research, they must receive **Informed consent** which tells the potential subjects about the key facts of a research study and what their participation will involve.
- The human subjects in the study must participate willingly, after having been adequately informed about the research.
- Consent must be clearly written and understandable to subjects. Scientific, technical, and medical terms must be defined.



REGULATORY COMPLIANCE

RESEARCH REGULATORY COMPLIANCE REQUIREMENTS

- Research Regulatory Compliance guidelines apply to ALL university research, teaching or service activities.

**The Institutional Review Board (IRB)
governs Human Participation in research.**

- All University research, including sponsored projects or programs and service projects/service learning activities and/or continuing education, involving human participants [a living individual about whom an investigator (whether professional or student) conducting research obtains (1) data through intervention or interaction with the individual, or (2) identifiable private information] must adhere to prescribed procedures designed to safeguard their rights and welfare.



GRADUATE COURSE ALIGNMENT AND RESEARCH

COLLEGE OF EDUCATION RESEARCH RELATED COURSES (2008 – 2010 GRADUATE CATALOG)

- ADMN 5013, Educational Administration Theory, Practice and Research
- ADMN 5063, Problems in Educational Administration
- ADMN 5083, Special Topics in Educational Administration
- ADMN 5093, Educational Statistics
- ADMN 5163, Research
- CUIIN 5023, Strategies for Planning and Assessing Instruction



GRADUATE COURSE ALIGNMENT AND RESEARCH

COLLEGE OF EDUCATION RESEARCH RELATED COURSES (2008 – 2010 GRADUATE CATALOG)

- CUIIN 5033, Research-Based Methods for Classroom Instruction and Management
- CURR 5503, Curriculum Evaluation
- CNSL 5123, Appraisal Techniques
- CNSL 5163, Research
- ECED 5333, Assessment Techniques in Early Childhood Education
- EDFN 5103, Foundations in Educational Research



GRADUATE COURSE ALIGNMENT AND RESEARCH

COLLEGE OF EDUCATION RESEARCH RELATED COURSES (2008 – 2010 GRADUATE CATALOG)

- EDFN 5143, Advanced Educational Statistics
- EDFN 5903, Thesis Research
- EDFN 5923, Master's Seminar
- EDUL 7103, Research and Evaluation
- EDUL 7333, Grant Writing
- EDUL 7603, Quantitative Research Design and Analysis



GRADUATE COURSE ALIGNMENT AND RESEARCH

COLLEGE OF EDUCATION RESEARCH RELATED COURSES 2008 – 2010 GRADUATE CATALOG

- EDUL 7613, Qualitative Research
- EDUL 7623, Advanced Research
- EDUL 8003, Dissertation
- EDUL 8013, Dissertation Seminar
- PHED 5303, Tests and Measurement
- SPED 5353, Individual Testing of the Exceptional Child



GRADUATE COURSE ALIGNMENT AND RESEARCH

COLLEGE OF JUVENILE JUSTICE AND PSYCHOLOGY
RESEARCH RELATED COURSES

2008 – 2010 GRADUATE CATALOG

- CPSY 7813, Assessment and Testing
- CPSY 7883, Psychopathology
- CPSY 7943, Advanced Research Methods I
- CPSY 8913, Dissertation I
- CPSY 8923, Dissertation II
- CPSY 8933, Dissertation III
- CPSY 8943, Dissertation IV

GRADUATE COURSE ALIGNMENT AND RESEARCH

COLLEGE OF JUVENILE JUSTICE AND PSYCHOLOGY RESEARCH RELATED COURSES

2008 – 2010 GRADUATE CATALOG

- JJUS 5943, Research Methods
- JJUS 5986, Thesis
- JJUS 7623, Seminar in Grant Writing
- JJUS 7693, Qualitative Methods in Social Sciences
- JJUS 7943, Advanced Research Methods I
- JJUS 7953, Advanced Research Methods II
- JJUS 8913, Dissertation I



GRADUATE COURSE ALIGNMENT AND RESEARCH

COLLEGE OF JUVENILE JUSTICE AND PSYCHOLOGY RESEARCH RELATED COURSES

2008 – 2010 GRADUATE CATALOG

- JJUS 8923, Dissertation II
- JJUS 8933, Dissertation III
- JJUS 8943, Dissertation IV
- JPSY 5413, Behavior Modification and Learning Theory
- JPSY 5433, Counseling
- JPSY 5453, Childhood Psychopathology
- JPSY 5843, Personality Assessment
- JPSY 5853, Personality Assessment II

GRADUATE COURSE ALIGNMENT AND RESEARCH

COLLEGE OF JUVENILE JUSTICE AND PSYCHOLOGY
RESEARCH RELATED COURSES
2008 – 2010 GRADUATE CATALOG

- JPSY 5863, Clinical Interviewing
- JPSY 5943, Research Methods
- JPSY 5983, Thesis



REGULATORY COMPLIANCE

IRB Electronic Training Guidance

- **The federal government has mandated that electronic education be a component of awareness of ethical treatment for human participants.**
- **On the IRB application there is a question that asks “Have you completed the Human Protections Electronic Training?” To comply with the federal mandate, all investigators (faculty, staff, scientists and students) must provide evidence of completion of this training.**



REGULATORY COMPLIANCE

- The recommended site for electronic education is:
- CITI at www.citiprogram.org
- or
- NIH Office of Extramural Research at
- <http://phrp.nihtraining.com/users/login.php>
- If you are entering the course for the first time, you must complete a [registration form](#) to register a new account before proceeding.
- Registration is free.



REGULATORY COMPLIANCE

- Upon completion of the modules, this electronic training generates a certificate that may be sent electronically or via local mail to the Research Regulatory Compliance Office. To establish your record through e-mail contact mcskelton@pvamu.edu for guidance.



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RESEARCH

QUESTIONS OR COMMENTS CONTACT

Elizabeth Noel

ennoel@pvamu.edu

Marcia Shelton

mcselton@pvamu.edu

Willie Trotty

wftrotty@pvamu.edu

Telephone: 936-261-1550

