

## POLICIES AND PROCEDURES

Subject: Human and Animal Subject Research Reference: B-VIII

Source: Vice President, & Information Research, Effectiveness  
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### POLICIES AND PROCEDURES

McLennan Community College (MCC) is committed to providing collegiate education and training to students of all ages and backgrounds, helping them achieve their individual goals and contribute as citizens and workers to the vitality of an increasingly global community. Towards this goal, the college encourages and supports the scholarly efforts of its students and faculty. In this process, MCC is dedicated to complying with ethical principles, with laboratory safety standards, and with federal guidelines concerning the protection of human and animal subjects. MCC establishes and follows procedures for approving requests from internal and/or external researchers seeking MCC students and/or employees to participate in data collection and analysis.

**Human Subject Research:** The MCC Institutional Review Board (IRB) exists to review relevant research that directly or indirectly involves human participants as study subjects and to develop institutional policies to oversee such research. As stated in the Federal Code of Regulations, 45 CFR 46. 101ff, it is the charge of the IRB to ensure that in the conduct of relevant research:

- risks are minimized and reasonable in relation to anticipated benefits;
- subjects give informed consent; and
- rights and welfare of the subjects are maintained.

The primary mission of the IRB is to ensure the protection of human participants as subjects of research at MCC. The IRB does **this** by reviewing research and study proposals and by providing educational workshops and training for students, staff, and faculty to ensure that the research complies with ethical standards and federal laws.

The IRB also reviews requests for research from outside the College that are in the best interest of the College and its mission. The IRB serves as a resource for anyone with questions or concerns about human subject research. MCC's IRB will follow federal regulations as spelled out by the Federal Office for Human Research Protections (OHRP) as specified under 45 CFR 46, subpart A (The "Common Rule").

- ***Specific procedures and processes of the MCC IRB are located in the Guidelines for Institutional Review Board at McLennan Community College.***

Animal Subject Research: McLennan's Institutional Animal Care and Use Committee (IACUC) must review all research involving vertebrate animal subjects. IACUC's task is to ensure that any project involving vertebrate animal research will be conducted within the Animal Welfare Act (U.S. Code, 7 U.S.C. Sections 2131 - 2159) and the USDA Animal Welfare Regulations (Code of Federal Regulations, Title 9 - Animal and Animal Products, Parts 1-4). This ensures the ethical and sensitive care and use of animals in teaching and research. MCC is committed to the strict guidelines and principles that follow the "three R's" principle:

- reduction, which is to use the absolute fewest number of animals that will achieve the research goals.
- refinement, which requires that an experiment procedure be chosen that causes the least amount of stress, pain, anxiety, and disturbance of normal life to the animal, while still meeting the experimental goals.
- replacement, which is the substitution of lower life forms, computer models, or other non-living models for a living animal, if possible and if the replacement still achieves the scientific results needed.
- ***Specific procedures and processes in support of MCC IUCAC are located in the Guidelines for Institutional Review Board at McLennan Community College.***