

**GRADUATE PROGRAM ASSESSMENT PLAN, 2006-2007**  
**WICHITA STATE UNIVERSITY**

**Program Name:** Doctor of Philosophy in Mechanical Engineering **Date:** October 21, 2006

**School/College:** Engineering **Campus Box:** 133

**A. Mission Statement**

The mission of the Department is to prepare students for careers in Mechanical Engineering and related fields. The mission is in support of the College of Engineering as well as that of the University in teaching, scholarship and service.

**B. Constituents**

The constituents of the Mechanical Engineering Graduate program are its graduate students and faculty.

**C. Program Objectives**

- a. To admit and retain qualified students into the program each year.
- b. To attract and retain qualified faculty for the program.
- c. To provide an exceptional research environment for the program.
- d. To provide a full range of graduate courses for the program.
- e. To ensure our graduates are well prepared for employment and further Post Doctoral studies.

**D. Educational Student Outcomes**

- a. Students will gain in-depth knowledge base in one of the following areas: Materials, Thermal-Fluid Sciences, Mechanical Systems/Design/Controls.
- b. Students will demonstrate the ability to carry out independent research or projects.
- c. Students will be able to self-educate.

**E. Assessment of Program Objectives**

**a. Admission of qualified students**

- All students are required to have a GPA of 3.5 out of 4.0 or equivalent.
- When admitting students from any area other than Mechanical Engineering, require them to take appropriate prerequisite courses.

**b.**

**d. Appropriate graduate curriculum**

- The department should strive to offer sufficient graduate level courses in each semester to allow students in each of the program core areas to graduate within three to four years.
- Each student is required to pass comprehensive exams, present an original research proposal, and prepare and defend a dissertation based on original research.
- Establish a core curriculum for the Ph.D. degree.

**e. Enrolling Sufficient Number of Students**

- The department should strive to enroll at least one Ph.D. student per faculty member.
- The department should strive to grant at least one Ph.D. degree per academic year.

**f. Placement rate and graduate school admission**

- Graduates of the program should be placed within one year of graduation either in jobs or in a post-doctoral position for further study.

**g. Satisfaction with the program**

- Graduate School will provide the resources to survey the graduates of the program every three years.

**F.**

also reviews the program mission, objectives, outcomes, and the assessment process periodically and in consultation with other faculty members.

## **H. Annual Report:**

The Assessment Report documents:

- Results from data collection during the academic year
- Dates when faculty met to consider the results
- Summary of decisions made at the meeting of the faculty
- When issues identified at the meeting will be considered again