



MEMORANDUM

To: Edward T. Foote II, President

From: Steven Green
Chair, Faculty Senate

Date: 29 March 2001

Subject: Faculty Senate Legislation #2000-18(B) - Approval of the College of Engineering Biomechanics Research Group

4/5
Steven, I approve.
Thanks.
SG

The Faculty Senate, at its 28 March 2001 meeting, voted to approve the name of a sponsored unit, the College of Engineering Biomechanics Research Group, for the period of time of continuous funding and any extensions thereafter.

This legislation is now forwarded to you for your action.

SG/kl

cc: Luis Glaser, Provost
M. Lewis Temares, Dean of the College of Engineering
Shahib Asfour, Professor and Chairman, Department of Engineering

CAPSULE: Faculty Senate Legislation #2000-18(B) - Approval of the College of Engineering Biomechanics Research Group

RESPONSE BY THE PRESIDENT: Approved DATE: 4/5/01

OFFICE OR INDIVIDUAL TO IMPLEMENT: Provost

APPROVED: _____

EFFECTIVE DATE OF LEGISLATION: _____

NOT APPROVED AND REFERRED TO: _____

REMARKS (IF NOT APPROVED): _____

College of Engineering-Biomechanics Research Group

Objectives:

The main objectives of the Biomechanics Research Group () are to:

- Foster research and development in the area of Biomechanics in general and in the areas of Occupational Biomechanics and Sports Biomechanics in particular
- Provide a forum for faculty and students to collaborate on research projects and to exchange ideas.
- Enhance current research programs with the Orthopedics, Neurological Surgery, Biomedical Engineering and Physical Therapy Departments.
- Develop new joint research programs with the University of Miami medical School.
- Train undergraduate and graduate students in this multidisciplinary field.
- Assist local industry in the development and implementation of safety programs for the reduction of musculoskeletal injuries such as back injuries and carpal tunnel injuries.
- Attract funding from government agencies and local industry to support research activities. This funding will be used to improve our research laboratories and to support students.

Management Plan:

While the home department of BRG is the Department of Industrial Engineering, faculty and students with compatible interests throughout the College of Engineering and the Medical School will participate in the research activities of the group.

The Director of the research group will be Dr. Shihab Asfour. He is currently the Chairman of the Department of Industrial Engineering. Dr. Asfour will oversee all functions and serve as industrial liaison. Technical teams that include faculty and industry consultants will assist Dr. Asfour.

The Biomechanics Research Laboratory in the Department of Industrial Engineering will serve as the main research laboratory for the group. The laboratory has all the equipment needed for three-dimensional analysis of human movement.

Business Plan:

Funding for is sought primarily from local and regional industrial companies. Plans to seek funding from local, state and federal agencies are being developed.