

**MINUTES OF THE GRADUATE CURRICULUM
COMMITTEE MEETING
January 17, 2002**

Members Present: Bostrom (PUBP), Fisk (PSYCH), Green (MATH), Hertel (NRE), Jagoda (AE), Khan (ARCH), McIver (REG), Parsons (MGT), Peterson (ECE), Sanders (MSE), VenKateswaran (COC), Will (CE)

Visitors: Debo (ARCH), Dunham-Jones (ARCH), Geil (HPS), Gregor (HPS), Uhlik (ARCH/BC)

1. A motion was made to approve the minutes of the December 6, 2001 meeting. The motion was seconded and approved. Unanimous.
2. The Department of Health and Performance Sciences requested the approval of the Masters in Prosthetics and Orthotics. After discussion of areas that had been questioned at previous meetings, a motion was made to approve the degree. The motion was seconded and approved. Unanimous.
3. A motion was made to approve the following GTL courses. These courses are used as “placeholders” to indicate, on a student’s Georgia Tech academic record, that the student is also taking courses at a partner institution in France. The motion was seconded and approved. Unanimous.

New Courses

GTL 6001 GTL-SUPELEC Double Degree Courses
 GTL 6002 GTL-ENSAM Double Degree Courses
 GTL 6003 GTL-EMNANTES Double Degree Courses
 GTL 6004 GTL-ENSEA Double Degree Courses
 GTL 6005 GTL-INPL ENSEM Double Degree Courses
 GTL 6006 GTL-INPT ENSEEIHT Double Degree Courses
 GTL 6007 GTL-ESIM Double Degree Courses

All courses will be variable hours, 1-11 hours, and will be offered on an audit basis.

In addition to these courses, GTL would like to request courses to reflect that a student is enrolled exclusively in a partner institution and is not enrolled in any Georgia Tech course during that term. A motion was made to approve the request. The motion was seconded and approved. Unanimous.

COURSES

GTL 6011 Student Attending GTL-SUPELEC
 GTL 6012 Student Attending GTL-ENSAM
 GTL 6013 Student Attending GTL-EMNantes
 GTL 6014 Student Attending GTL-ENSEA
 GTL 6015 Student Attending GTL-INPL ENSEM
 GTL 6016 Student Attending GTL-INPT ENSEEIHT
 GTL 6017 Student Attending GTL-ESIM

These courses will be for 12 hours and will be offered on an audit basis.

4. The COLLEGE OF ARCHITECTURE requested the approval of the following BC and ARCH courses. A motion was made to approve the courses. The motion was seconded and approved.

NEW COURSES

BC 6150 Design-Build Organization and Management 3-0-3
BC 6250 Value Management for Integrated Facility Design and Construction 3-0-3
BC 6350 Design and Construction Law 3-0-3

ARCH 6219 Lighting Design and Simulation in Architecture 1-6-3
ARCH 6214 Architectonics 3-0-3
ARCH 6127 Introduction to Art and Architecture in Italy 1-0-1
ARCH 6119 Frank Lloyd Wright and his Influence 3-0-3
ARCH 6120 History of Atlanta Architecture 3-0-3
ARCH 6117 Architecture of the Arts and Crafts Movement 3-0-3

Adjourned,

M. Jo McIver
Registrar

January 11, 2002

Dr. Daniel S. Papp
Senior Vice Chancellor – Academics and Fiscal Affairs
Board of Regents
270 Washington Street, SW
Atlanta, GA 30334

Senior Vice Chancellor Papp,

As Chair of the Department of Health and Performance Sciences I would like to make three requests of the Institute, and ultimately the Board of Regents, related to the development of our department into a viable

academic unit at Georgia Tech. The three requests are:

- to change the name of the unit from Health and Performance Sciences to Applied Physiology,
- to administer a Focused Master's Program in Prosthetics and Orthotics as a graduate degree program at Georgia Tech, and
- to change our status from that of "*department*" to that of "*school*" and to become a degree granting School of Applied Physiology at Georgia Tech.

The first request, i.e. to change the unit name, is summarized in a letter to Provost Jean-Lou Chameau (see enclosed Appendix A). This request is consistent with the Department's mission as outlined in our Strategic Plan. Gary Schuster, Dean of the College of Sciences and Jean-Lou Chameau, Provost and Vice President for Academic Affairs, approved the request. Vice Provost Bob McMath presented the case to the Academic Senate and received approval without dissent (meeting date, December 4, 2001).

Our second request is to administer a Focused Master's Degree Program in Prosthetics and Orthotics (see enclosed Appendix B). This proposal has been developed over the past 18 months and includes resources in the College of Engineering and the College of Sciences. The proposed program is unique and includes both academic classes and clinical training. We have already received some corporate sponsorship during the development process and have several clinical partners contributing to the training each student is to receive during the two-year program. We expect to admit ten students the first year and 15 each year thereafter. At steady state we expect to have 30 students in the program during any given year.

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Our third request is to become a "degree granting" unit, a necessary condition to administer a graduate degree program at Georgia Tech, e.g. the MS degree in Prosthetics and Orthotics. Additionally, because we will administer this degree program and plan to have a Ph.D. program in the near future, we request a change in status from Department to School. In short, approval of our requests would make us a degree granting School of Applied Physiology responsible for administering a Focused Master's Program in Prosthetics and Orthotics.

If you need any additional materials or information please contact me at 404-894-1028. Thank you for your consideration of these requests.

Sincerely,

Robert J. Gregor, Ph.D.
Professor and Chair
School of Applied Physiology (proposed)

July 31, 2001

Jean-Lou Chameau, Ph.D.

Provost and Vice President for

Academic Affairs

Georgia Institute of Technology

Atlanta, GA 30332-0325

Dear Dr. Chameau:

The Department of Health & Performance Sciences has made several changes in the past few years in its efforts to move from a service-oriented unit to a full-fledged academic program at Georgia Tech. In that regard, and after a unanimous vote by the faculty, we would like to propose that the Department change its name from Health and Performance Sciences to *Applied Physiology*. The rationale for this request is described in the following paragraphs.

Approximately ten years ago during the Institute-wide reorganization, the departmental faculty successfully lobbied to be included as a unit within the newly formed College of Sciences. Given this change in administrative structure, the Department's objective was to progress to a degree-granting academic school. In 1994 Dr. Robert Gregor was hired as a full Professor to add research capabilities to the changing Department. His fundamental research interests lie in the study of skeletal muscle as a resource to the nervous system in the control of movement in both animal and human models. The work is based in biomechanics, neural control and systems muscle physiology. Continuing its efforts to strengthen research capabilities Dr. Mark Geil was hired in 1997 from the Ohio State University. Dr. Geil's expertise is in the area of prosthetics with a specific interest on energy flow and function of the prosthetic foot as well as on the interface of the prosthesis with the residual limb. In 1999, Dr. Tom Burkholder was hired to further strengthen the Department's research base. Dr. Burkholder's basic research is in cell biology as it applies to muscle adaptation, but he also has an interest in systems physiology and movement control. Our most recent hire, Dr. Jay Alberts from Arizona State University, has research interests focused on the neural control of movement and centers in the brain responsible for movement coordination. Currently the Department is conducting a search for a mid-career faculty in physiology. Collectively, the faculty is moving toward a

research-based academic unit founded in principles of physiology and movement control.

In light of our need for adequate research space, with support from the College of Sciences and the Institute administration, we recently moved into renovated laboratory and administrative space in the Weber/SST Building. We have also formally reorganized our departmental staff to better support developing our plans for a Focused Master's Program in prosthetics and orthotics and for developing a proposal for a Ph.D. program. While redirecting our focus to the investigation of physiological systems as they apply to health and disease, we have maintained a commitment to our undergraduate offerings in health and wellness. In an effort to be more efficient in the use of our resources and capitalize on current faculty interests, we have discussed restructuring our basic health and wellness class into a class founded in applied physiology. The proposed course title would be "*Physiological Basis of Health and Disease.*" This would be consistent with faculty interests within the Department and better use their time as a resource in teaching our required classes.

All academic schools in the sciences rely on extramural funding. It is the recognized base of support and we are no exception. Current funding comes from a variety of sources with our new faculty expected to compete at NIH, NSF and other state and federal agencies that support their specific areas of research. To that end, our faculty publish regularly in, for example, the *Journal of Applied Physiology*, the *Journal of Neurophysiology*, *Brain Research*, the *Journal of Biomechanics*, and various other journals associated with basic and applied sciences. A change in departmental name to better describe our current and future focus will markedly enhance our ability to meet the growing challenge of obtaining extramural funds.

In summary, we feel that changing our name to ***Applied Physiology*** is appropriate at this time. In an effort to maintain a dialogue with other units in the University System of Georgia this matter has been discussed with Dr. Kirk Cureton, Chair of the Department of Exercise Science at UGA, Dr. Jeff Rupp, Chair of the Department of Kinesiology and Health at GSU and Dr. Tom Murray, Chair of the Department of Physiology and Pharmacology in the College of Veterinary Medicine at UGA. There were no reservations expressed regarding this proposed change in name. The proposed new name is consistent with our current faculty expertise, journals in which we publish, the direction the Department is taking, and the type of student we will recruit. The new name also would benefit us in applications for extramural funding. Hence, with complete support of the faculty, we propose that our name be changed ***from the Department of Health & Performance Sciences to the Department of Applied Physiology.***

We thank you for your consideration of this matter and look forward to further discussions in this regard.

Sincerely,

Robert J. Gregor, Ph.D. Phillip B. Sparling, Ed.D.
Professor and Head Professor and Assoc. Head
Department of HPS Department of HPS

Approved:

Gary Schuster, Ph.D.
Dean, College of Sciences