DENTISTRY: BIOKINESIOLOGY AND PHYSICAL THERAPY  
Req. by James Gordon

Add 2 new courses: 
Eff. Spring 2007

1. **BKN 567 ADVANCED TOPICS IN BIOMECHANICS (2)**
   Advanced examination of motion-analysis techniques, applications and data interpretation. Magnetic tracking
techniques, upper-extremity kinematics, energy/work/impulse concepts, intersegmental dynamics, and EMG muscle
modeling are examined. Prerequisite: BKN 563.

   ![APPROVED.](image)
   There was a question about the grade breakdown and the assigned reading; the department
   provided a revised syllabus. Also, the department provided revised catalogue copy that shows where this course
   and BKN 575, following, will fit into the courses available to M.S./Ph.D. students.

2. **BKN 575 PRINCIPLES OF MUSCULOSKELETAL IMAGING (2)**
   Basic principles of musculoskeletal imaging as it relates to biomechanics research. Topics include MRI physics,
   variable imaging parameters and selection of pulse sequences.

   ![APPROVED.](image)