Course title [CB02] (limit 68 characters)  Physics for Engineers and Scientists I

See instructions for completing this form in the Program and Course Approval Handbook, 3rd Edition (March 2009). Incomplete forms will be returned to the college. Items numbered with [CBxx] refer to the Course Data Elements in the Data Element Dictionary. There are limitations on values entered for these elements.

Course department number [CB01]  Physics 037
Course units  5 minimum [CB07]  5 maximum [CB06]

Date approved Curriculum Committee
Date approved District Board
Course T.O.P. Code [CB03]  1902.00
Course Credit Status [CB04]  DA
Course Transfer Status [CB05]  CSU
Course Basic Skills Status [CB08]  Yes  No
Course SAM Priority Code [CB09]  E Value entered here affects Perkins funding.

Is this course part of a cooperative work experience education program? [CB10]  Yes  No
Course Classification Status [CB11]

Is this course an “approved special class” for students with disabilities? [CB13]  Yes  No
Course Prior to College Level [CB21]  Y
Funding Agency Category [CB23]  Y

Catalog description: (if additional space is required, attach a sheet)
Designed for Physics, Astronomy, Chemistry, Engineering & Mathematics majors, Physics 37 is the first semester of a three semester calculus-level sequence in introductory college Physics. Topics include kinematics, dynamics, laws of motion, and conservation laws for particles and systems of particles in both translation and rotation.

Justification for Need: (if additional space is required, attach a sheet)
Calculus-based physics is a requirement of all engineering, physics, astronomy, chemistry, and math majors. Some medical schools also require it.