

Memorandum (April 19, 2005)

Date: April 19, 2005

To: Prof. Chuck Hohm, Dean of the College of Natural and Behavioral Sciences

From: Ken Ganezer
Chair and Professor
Physics Department

Subject: Definition of Research and Scholarship for full-time tenure-track or tenured faculty in the Physics Department (Provisional and subject to full review by Physics faculty).

Background: The Department of Physics recognizes the essential role in faculty responsibilities of research and scholarship. We also appreciate the pivotal importance of peer review and peer reviewed publication in science and in academia in general. The fundamental nature of physics in science and the natural sciences makes it all the more important that faculty pursue research and scholarship at the frontiers of science. We realize that the pursuit of academic excellence at the university level requires complementary and synergistic efforts to excel in research and scholarship as well as in teaching and service.

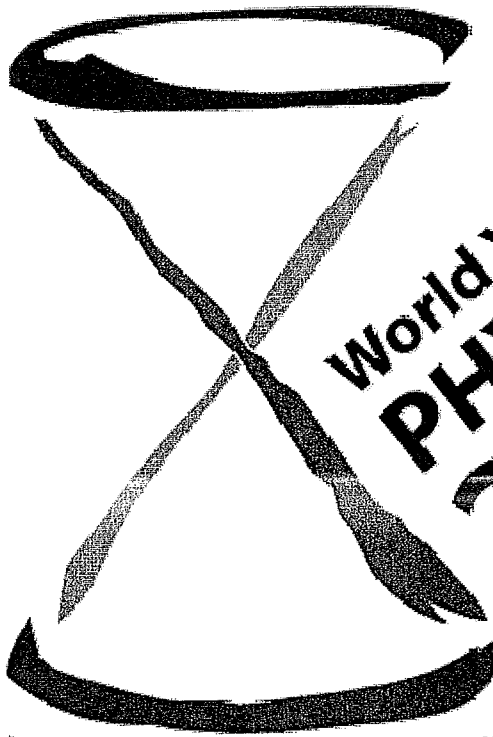
Rudiments and Requirements:

1. Peer reviewed publication should is required for tenure and promotion to Associate Professor or to Professor.
2. At least two single or co-authored articles and authorship as a PI on one successful grant application external to CSUDH, with the possibility that a third article or peer reviewed book monogram, chapter, etc. could be used as a replacement for a successful grant application are required for tenure and each promotion.
3. Scholarship should be assessed in terms of rudiments, productivity and significance by the department and outside reviewers in the probationary years as well as in the (nominally five) years between promotion to Associate Professor and promotion to Professor. Scholarship is evaluated on the basis of quality as well as quantity by the department as well as outside reviewers. Details on grant amounts and grant programs are specific to and at the discretion of individual departments. Each discipline should periodically review departmental criteria for scholarship.
5. The above minimal standards apply to new faculty starting in the fall 2005 semester or later for tenure and for each promotion. Faculty at lower rank than full Professor have the choice of these revised standards or earlier criteria for review for tenure and promotion to Associate or Full Professor.

Definition: The following list defines research and scholarly activities for tenured and tenure-track faculty members in the physics department. Research and scholarship should focus on physics and its sub-disciplines and closely related fields and applications such as astronomy, medical physics, optics, acoustics, and some sub-disciplines in engineering that have parallel efforts in physics. Research can be undertaken in pure physics or in physics education. Faculty members who have a background in pure or educational physics research upon arrival at CSUDH are encouraged to continue their efforts in the same choice of research concentrations (pure or educational physics) that they pursued prior to beginning work at CSUDH.

- (1) Original research resulting in authorship or co-authorship of publications in peer-reviewed professional journals through individual efforts or work in small groups or larger collaborations. Peer reviewed publications based upon the faculty member's research are a requirement for tenure and for promotion to Associate Professor or to Professor. Publications may be in peer-reviewed physics journals such as Physical Review or in physics education journals such as American Journal of Physics. Publication of peer-reviewed conference proceedings and abstracts are considered research publications, but a significant proportion of a faculty member's publications must be in regular professional journals for tenure or promotion.
- (2) Dissemination and collective acquisition of new knowledge through participation in professional meetings, conferences, and seminars. These include giving colloquia and seminars and participation in panels. The writing of reports for various physics organizations and collaborations.
- (3) Authorship or Co-Authorship of textbooks and laboratory manuals or of appropriately documented educational or research software. The design and construction of laboratory apparatuses for research or education that are appropriately documented.
- (4) The writing of grant applications for internal and external funding. These applications should be submitted to the appropriate agency and should undergo faculty review or peer review for the internal and external cases respectively. Although funded grant applications may be weighted slightly higher than those that are not funded, both are considered significant.
- (5) Peer review of publications and grant applications to external funding agencies such as the NSF, NIH, NASA, Department of Energy, Department of Education, the Department of Defense (DOD), and the US Department of State. Review of internal grant applications is also considered scholarship.
- (6) Participation in professional organizations through committee work, meeting organization, membership applications, organizational planning and other activities can be considered scholarship as well as service. Work as a consultant in physics or a closely related field in private industry or academia is also considered to be research and/ or scholarship.

Additional Procedures related to Analysis of Scholarship: The relative weight given to the above mentioned activities will be determined by further review as part of the RTP process. Nonetheless, peer reviewed publications are a requirement for tenure and promotion. The quality and significance of published work is a consideration that is as important as the quantity and length of publications. Departmental RTP reviewers may ask a faculty member to provide information from external experts in their field of research specialization prior to submission of their RTP files.



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