

## **A New Course Proposed by Physics Department, TKU, Will Benefit Students Profusely**

In a general College of Science meeting, a resolution to install a new curriculum for the school year 2002-2003 was passed.

The program is to be called "Photonics and Materials Science" and a certificate will be issued to students who have successfully completed the program.

The brand new program is to answer the call by Ministry of Education to rally available resources to set up courses spanning department/college/school. On the other hand, the intended purpose of the present program is to achieve consolidation of different subjects as well as accommodating the multi-level development trend of the present-day industries/enterprises.

The devised curriculum comprises 3 major subjects: Electrical Engineering, Physics and Chemistry and for this reason, the 3 current departments will offer manpower to support this program.

Henceforth the monopoly type of educational trend in Taiwan will undergo a drastic change: no more one-dimensional job training.

Given the fact that the Electronic Semiconductor has become so popular in

Taiwan, it's a foregone conclusion that the Department of Physics will one day integrate the following subjects into one practical curriculum: Electric Semiconductor and Materials Science; Computer Simulation Computation and Computational Physics.

On the other hand, the pedagogical effect will be insured and the students will also find it much easier to zero in on the basic science subjects.

There are altogether 27 required credits for the proposed curriculum, the 15 of which will be compulsory courses and they are: Optics, Introduction to Opto-electric system, Introduction to Opto-electronics, Solid State Physics (Solid State Chemistry), Material Physics (Material Chemistry).

As for the remaining 12 credits for electives, the program will be divided into 3 sections in terms of nature. A student must choose 2 sections with a minimum 2 courses for each section.

According to Department of Physics, they are taking this move to enliven the present status quo as well as embodying a new vision for the future. But all in all, it's for the benefit of students, hoping to equip them with a more competitive potential for the future job market.

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