Wei Lun Lectures on Adolescent Academic Development

Prof. Jacquelynne S. Eccles, Wilbert McKeachie Collegiate Professor of Psychology, Education and Women’s Studies at the University of Michigan, gave two public lectures on 16th and 17th February respectively while visiting the Faculty of Education in her capacity as Wei Lun Visiting Professor of the University. Both lectures took place in the auditorium of Ho Tim Building.

In the first lecture, entitled ‘School Structure, Classroom Experiences, and Adolescent Development’, Prof. Eccles summarized her research work, along with other research, on how school structure and classroom experiences could impact on different aspects of adolescent development in addition to academic achievement. It has been observed in some that both mental health and school motivation decline during the early adolescent years and many adolescents experience major school transitions during these same years. Research findings have suggested that the nature of these transitions might have contributed to such a decline. Prof. Eccles discussed this hypothesis and summarized the relevant empirical evidence.

In the second lecture, entitled ‘Gender, Academic Performance, and Academic Choices’, Prof. Eccles discussed the social, cultural, and psychological factors that help to explain gender differences in academic performance and academic choices of students. She also summarized intervention efforts that have successfully increased the enrollment and interest of women in the physical and technological sciences.

Prof. Eccles has conducted research on topics ranging from gender-role socialization, teacher expectancies, and classroom influences on student motivation to social development in the family and school contexts. With close to 200 publications, Prof. Eccles’s most recent work focuses on the longitudinal study of the development and socialization of different types of psychological influences on motivation, activity choice, and involvement. Such influences include self-perceptions of competence, task values and interests, life goals, self-schemas, motivational orientation, and mental health.

Upcoming Anniversary Celebrations

University Presidents’ Global Forum 2004

The University Presidents’ Global Forum 2004 on ‘Universities in the 21st Century’ will be held from 28th to 30th March 2004 at T.Y. Wong Hall and Cho Yu Conference Hall on CUHK campus. Some 50 university heads from across the world will attend, and discussion sessions will be conducted in putonghua and English with simultaneous interpretation from English to putonghua and vice versa.

Business School Gala Dinner in April

Faculty members of the Faculty of Business Administration and the alumni and friends of the faculty’s MBA Programmes will come under one roof for the first time at the gala dinner organized by the faculty and the MBA Alumni Association on 3 April. The purpose of the dinner, to be held at J.W. Marriott, is to reunite faculty members, alumni, supporters, and friends, and to celebrate the 40th anniversary of the University.

Dr. Victor Fung, chairman of the Li & Fung Group, will be the guest of honour. Also in attendance will be Prof. Ambrose King, vice-chancellor of the University, the pro-vice-chancellors, and leading figures in the public and corporate community, including guests featured in the series Talking to CEOs, New Thinking in Management, and CEOs in the New Century.

Please go to http://www.baf.cuhk.edu.hk/News/gala.html for online registration.

The organizers are also seeking sponsorship for a commemorative publication to trace the history of the faculty. For details, please visit http://www.baf.cuhk.edu.hk/News/misc/Sponsorship_letter.pdf.

Please visit http://www.cuhk.edu.hk/40thanniversary for updates.

New Horizons of Diagnosis and Treatment of Heart Failure

Like obesity, diabetes, hypertension and coronary artery disease, heart failure is an urban disease and one with a high mortality rate.

The Division of Cardiology of the Department of Medicine and Therapeutics has pioneered a new therapy for heart failure — unconventional cardiac resynchronization therapy (CRT). The treatment involves the implantation of three pacing electrodes, instead of one or two in conventional treatment, to different chambers of the heart to improve its function. The survival rate is 85 per cent compared with 60 per cent for patients with severe heart failure without this therapy. Patients reported significant improvement in exercise capacity and displayed improved cardiac function.

The division also pioneered two new technologies in echocardiography to assess heart failure patients — tissue synchronization imaging and three-dimensional echocardiography. The current criteria for determining the suitability of CRT are very restrictive and insensitive. And often symptoms such as shortness of breath and fatigue can be easily neglected by patients, hence delaying diagnosis. Tissue synchronization is useful for immediate identification of uncoordinated contraction of the heart while three-dimensional echocardiography allows ‘real time’ viewing of the heart structure and provides a better understanding of the relationship between the structure and function of the heart. These two new tools will help doctors to select appropriate patients for CRT.

The division held a press conference on 19th February at the Postgraduate Education Centre of the Prince of Wales Hospital to announce the latest development in diagnosis and treatment of heart failure. Patients were also present to share their experience and two of the latest technologies for assessment were demonstrated.

Then on 21st and 22nd February, medical professionals in the area of heart failure from mainland China, Southeast Asia, Europe, and the US exchanged views and experiences at the ‘International Heart Failure Symposium — Hong Kong 2004’, held by the Faculty of Medicine in collaboration with Tongji University of Beijing. The largest ever held in Hong Kong on the topic of heart failure, the symposium highlighted the importance of early diagnosis and optimal treatment for this very common but serious condition.
CUHK Computer Scientist Elected IEEE Fellow

Prof. Michael Lyu Rung Tsong of the University’s Department of Computer Science and Engineering has been elected fellow of the prestigious Institute of Electrical and Electronics Engineers (IEEE) for his outstanding accomplishments in engineering science and technology. Cited for his ‘contributions to software reliability engineering and software fault tolerance’, Prof. Lyu is the first scientist from greater China to be elected IEEE fellow in software engineering.

An expert in software reliability design, testing, modelling, and analysis, Prof. Lyu was the first scientist to propose a paradigm for N-version programming and multi-version software. He conducted real-world experiments with different project teams to demonstrate the significance of this paradigm for exploring software design diversity. He also proposed and evaluated the use of novel reliability modelling and analysis schemes to assess and compare fault tolerant software architectures. Prof. Lyu was one of the first scientists to show the effective application and interpretation of software reliability models for software projects. Based on his extensive experience in both industry and academia, he proposed several approaches for software reliability modelling, which were widely recognized in the software engineering industry.

Virtual-Reality Training for Keyhole Surgery Soon to Be Introduced

The advent of Minimally Invasive Surgery (MIS) has reduced surgical trauma and pain and hastened recovery. It has also brought drastic changes to the approach and practice of all surgical disciplines.

MIS has been widely applied to operations of the abdomen, chest, head and neck, brain, and vascular system. It has been proven safe and effective for children, even newborns. Currently at the Prince of Wales Hospital, 80 per cent of surgical operations are MIS.

Unlike in conventional surgery, MIS surgeons operate through a television monitor with a flat two-dimensional image rather than relying on direct vision and the sense of touch. Their movements are also restricted by the keyhole access.

In response to the urgent need for training and practical facilities in MIS, the CUHK Faculty of Medicine will introduce a revolutionary virtual reality surgical training programme from July 2004 for all surgical trainees and experienced surgeons across surgical disciplines in the New Territories East Cluster of hospitals. The programme, the first of its kind in Hong Kong, will provide safe, efficient, and repetitive training and practice in different simulations and scenarios in a cost-effective manner. Surgeons can test dangerous or new surgical procedures at no risk to patients. All surgeons in the New Territories East Cluster will need to have undergone virtual reality training for accreditation before they are assigned to any MIS operation.

Good News for Nasopharyngeal Cancer Sufferers

Over 60 nasopharyngeal cancer patients and their families shared their experiences and learnt more about the Bone Anchored Hearing Aid (BAHA) and cochlear prosthetic processes at a gathering held by the Cochlear Implant and Hearing Rehabilitation Centre on 8th February. The centre introduced the world’s first application of BAHA in nasopharyngeal cancer patients.

Close Partnership with French Research Institute for Advancement in GIS

The University’s Joint Laboratory for Geoinformation Science (JLGIS) signed a Letter of Intent with the French Naval Academy Research Institute for close academic exchange on 12th February 2004.

With the signing of the letter, the institutions will collaborate in research on maritime GIS and maritime sustainability development. There will be academic exchange, visits, and joint research projects. The institutions hope that their joint research power will bring about better maritime sustainability development in Asia.

Attending the ceremony were Prof. Kenneth Young, pro-vice-chancellor of the University, Dr. Abdo Malac, consul (scientific and academic affairs) of the French Consulate General in Hong Kong; Prof. Leung Yee, dean of the Faculty of Social Science; Mr. Thomas Wu, director of academic links; Prof. Tsou Jin Yeu of the Department of Architecture; and Mr. Robert Li, business manager of JLGIS. The signatories were Prof. Hui Lin (right), director of JLGIS, and Prof. Christophe Claramunt (left) of the GIS Group of the French Naval Academy Research Institute.

Chung Chi Receives Zhejiang Student Delegation

A delegation of 10 students from Zhejiang University visited Chung Chi College from 7th to 14th February 2004 under the first part of the college’s Student Visitor Programme with Zhejiang University. The theme of the programme was ‘Biotechnology and Life Sciences: Dreams and Nightmares’. The delegation was received by 20 Chung Chi students. Exchanges were made on the theme at a series of seminars and visits to local organizations. The second part of the programme will be held in Zhejiang in April this year.

The opening ceremony of the Hong Kong programme took place on 9th February in the Chung Chi College Administration Building. Officiating at the ceremony were Mr. Chu Shinong, director general of education, Science and Technology Department, Liaison Office of the Central People’s Government in the HKSAR; Mr. Karl C. Kwok, chairman of the Chung Chi College Board of Trustees; Dr. George Hung, trustee of Chung Chi College; and Prof. Rance Lee, head of Chung Chi College.

The Student Visitor Programme with Zhejiang University, held for the second time, is supported by the generous donation of Mr. Eddie Lu, a college trustee.

Laurels for Nursing Students

Over 60 nasopharyngeal cancer patients and their family shared their experiences and learnt more about the Bone Anchored Hearing Aid (BAHA) and cochlear prosthetic processes at a gathering held by the Cochlear Implant and Hearing Rehabilitation Centre on 8th February. The centre introduced the world’s first application of BAHA in nasopharyngeal cancer patients.
New Dean of Engineering Sets Out to Cultivate Engineering Happiness

Ho Sin-Hang Engineering Building until the stars come out and it is time to return to the hostel to sleep. Not the most culturally dazzling but then engineering students have little time for little else. Prof. Yum will try to change this by making his students an offer they can't refuse. The faculty will invite the four colleges to hold cultural activities in the Ho Sin-Hang Engineering Building, such as photo exhibitions and talks by cultural notables. The faculty will also join forces with the five departmental student associations to organize regular leisure and sporting activities. Prof. Yum explained that in the past when everything was left to the students in charge, some associations were active and some were dead. Now by staging interdepartmental events, the faculty hopes to generate more sustainable enthusiasm.

While nanotechnology may be dry at the nano level, its applications by Gucci and Shiseido are not. The faculty also intends to run popular engineering seminars for the benefit of all CUHK students. 'I know engineering can be very boring,' said Prof. Yum, but clearly it doesn’t have to be.

Academically, courses that have been at the expense of much of students’ free time and academic choice may be replenished, if the workload is judged to be unreasonable after careful review. In any case, the quality of teaching and learning will be rigorously monitored and students will be encouraged to give detailed written evaluations of courses they have taken.

More Cultural and Academic Exposure

Some CUHK graduates have described their year or semester as exchange students as life-changing; all remember their time abroad with great fondness. However the University’s policy of having an equal number of outgoing and incoming exchange students means that not every study abroad dream gets fulfilled, unless the students’ parents are willing to pay out of their own pocket. Prof. Yum will maximize his students’ opportunities for having this eye-opening experience by promoting self-financed students abroad and providing the Office of Academic Links with a list of universities that the faculty has had informal contacts with.

Prof. Yum wants to give engineering students more variety and freedom of choice by promoting multi-disciplinary engineering education. Students will be encouraged to take the most of the flexible credit-unit system by taking a minor or a double minor programme in engineering. The faculty also has plans to propose a double major and a joint bachelor’s master’s programme earlier by 2005, which will aim at producing engineers steeped in Shakespeare, engineer-sociologists, or engineers with a journalist’s instinct. A believer in keeping students longer in school to learn more, Prof. Yum will let students go about their studies at their own pace. For its part, the faculty will advise departments to assign each with a career counsellor chosen from its pool of teaching staff. These counsellors will be responsible for designing a curriculum tailored specifically to the student’s needs and interest.

Better English

Engineers are not known to be the best writers and oral communicators. To help students negotiate the rough corners of written homework and in-class presentations, the faculty is working closely with CLEAR (Centre for Learning Enhancement and Research, formerly the Teaching, Development Unit) to develop a three-year English training programme for all engineering students. The faculty will hire English tutors to correct students’ homework and improve their presentation skills so that language does not get in the way of smooth sailing in the challenging waters of their specialty.

Prof. Yum’s other plans include extending the work-study programme, currently available only at the Department of Electronic Engineering, and the Department of Information Engineering, to all departments, and conducting a biannual review and update of all engineering curricula.

'I want engineering students to be happy,’ said Prof. Yum. And under the keen eye and meticulousness of an engineer, happiness is no longer elusive, but like a fountain clock, is a function of engineered coincidences — parts sliding into the right positions at the right moment.”

Piera Chen

World Trade Centre Club Membership

The University holds a membership of the World Trade Centre Club (WTCC). A staff nominated by the University to take up membership is eligible to use the Club’s facilities including the function rooms, the sports facilities located at Park Lane Hotel, and the reciprocal arrangements that the Club has made with the Grand Royal Club, Shatin Race Course Private Box, and a number of Golf Clubs.

Full-time Terms (A) or equivalent staff members are invited to bid for the privilege of being the University’s nominee from 1st May 2004.

The minimum bid, i.e. the monthly charge payable to the University, is HK$150. In case of identical bids, preference will be given to staff with longer service. Membership, subject to the nominee remaining a full-time Terms (A) or equivalent employee of the University, has a minimum term of two years and can be extended for another year at the member’s request and with the University’s agreement. The new member pays a transfer fee of $3,000 charged by the WTCC as the result of two years. No pro-rata refund will be made.

Eligible and interested staff members should submit their bids to the Tender Board, c/o Business Office, G/F, John Fulton Centre, in envelopes marked ‘Application for World Trade Centre Club Membership’ before 23rd March 2004. Applicants will be informed of the results in due course.

Please contact Ms. Jacqueing Cho at Ext. 7887 for any further information and visit the Business Office’s homepage at http://www.cuhk.edu.hk/buw/WTCCbidding.pdf to download the bidding form.

Service to the Community and International Organizations

• Prof. Kenneth Young, pro-vice-chancellor in his capacity as Chairman of Research Grants Council, has been appointed by the Secretary for Commerce, Industry and Technology as an ex-officio member of the Steering Committee on Innovation and Technology.
• Prof. Joseph Lau Takh-fai, director of Centre for Epidemiology and Biostatistics, has been re-appointed by the Secretary for Health, Welfare and Food as a member of the Sub-committee on Public Education on Rehabilitation of the Rehabilitation Advisory Committee for two years from 1st January 2004.
• Prof. Lam Mun-kwan, professor in the Department of Educational Administration and Policy, has been invited by the Hong Kong Council for Academic Accreditation to serve as a panel member from 11th to 13th February 2004. He has also been invited to serve as a member of the Steering Committee on Innovation and Technology to serve as a member of its Executive Committee since September 2003.
• Prof. Anthony Yim, professor of surgery, has been appointed as an editorial board member of World Journal of Surgery from 26th January to 31st December 2004.

(Contact information in this section is provided by the Information and Public Relations Office. Co-ordination with the above office for registration and verification before publication.)
**New Council Member**

Mr. Li Kwok-sing, Aubrey has been elected by the Board of Trustees of Chung Chi College, in accordance with Statute 11.4 and 11.5 of The Chinese University of Hong Kong Ordinance, as Member of the Council for a period of three years from 11th February 2004, succeeding Dr. Deanna Lee Rudgard.

**Long Service Award 2003**

Thirty members of staff have been awarded the Long Service Award for service exceeding twenty-five years. The awardees are as follows:

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<td>Clinical Sciences Administration</td>
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**Obituary**

Mr. Mak Hing-pui, senior artisan in the Estates Management Office, passed away on 20th February 2004. Mr. Mak first joined the University in November 1978.
Information in this section can only be accessed with CWEM password.

若要瀏覽本部分的資料，
請輸入中大校園電子郵件密碼。
情誼逸夫

電子工程學講座教授程伯中教授去年到訪香港大學時，曾經回憶起以前在逸夫書院念書時的趣事。

程伯中教授說，自己在中大念書時，逸夫書院的那種氛圍，讓他感觉自己就像是一個大家庭的一份子。

"我當時在逸夫書院念書時，那種氛圍讓人感覺到自己是一個大家庭的一份子。當時書院的管理人員都非常親切，而且書院的環境也非常好，讓人感到非常舒適。"程伯中教授說。

程伯中教授表示，自己至今仍然非常感謝當時的逸夫書院管理人員，因為他們的熱心及親切，讓自己能夠在書院度過一段美好的時光。

書院精神 藐然於心

書院的精神，程伯中教授形容為一種"精神的養成"。他說，書院的精神包括了一種對知識的追求，一種對社會的責任感，以及一種對未來的希望。

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書院的未來

書院的未來，程伯中教授認為，要依賴於書院的精神，以及書院的團隊。他說，書院的未來，需要書院的團隊共同努力，才能確保書院的未來。

程伯中教授的最後幾句話，讓大家感動不已。他說，"書院的精神，將會永遠留在我們的心裡，永遠不會遺忘。"
訓練微創手術人才

醫學院上月九日宣布開辦革命性的虛擬現實外科培訓計劃,透過嶄新的微創手術模擬器,革新傳統外科手術訓練,以提高病人的手術安全。

該院特於其深造中心繼昌堂舉行記者招待會,由院長鍾尚志教授、外科學系系主任尹懷信教授和兒童外科主管楊重光教授介紹課程重點。

是項計劃為香港首個虛擬現實的外科訓練課程,今年七月起於醫院管理局新界東聯網實行。聯網內的見習外科醫生,在傳統的學徒形式學習以外,尚要接受一系列的虛擬現實外科手術訓練,利用不同的電腦模擬實境,掌握微創手術的技巧。

微創手術自八十年代末發展以來,為外科帶來翻天覆地的改變,除可減低手術的創傷及加速復原外,更可減低手術及康復護理的費用,亦對外科學徒制的訓練模式帶來極大衝擊。

楊重光教授表示,微創外科手術現已廣泛應用於腹腔、胸部、頭頸、腦部及血管等手術,並可以安全而有效地施之於小童及新生嬰兒,大大減少幼兒在手術中的創傷,勢將成為各種外科手術的主流。

醫生施行微創手術時,只靠螢幕的二維影像去判斷,加上動作受制於微細的切口,又沒有直接的手眼協調,絕不容易。醫學院因而推出培訓計劃,利用虛擬現實使見習醫生反覆鍛鍊技術,領略竅門後,才為病人施行微創手術。這種訓練更可提供客觀的評審標準,對手術步驟的標準化及手術前的策劃和準備有極大的幫助。

鍾尚志教授表示,中大在微創外科的許多範疇都居於世界領先的地位,促進香港及亞洲各國掌握並發展這項技術是義不容辭的。
大學致力吸納優秀中六生

大學上月十五日在王統元堂舉辦「中六優先錄取計劃資訊日」，由教務長何文匯教授、獎學金委員會主席陳永華教授、學術交流處處長吳偉岸先生、通識教育主任張燦輝教授、崇基學院學生宿舍委員會主席方永平教授和入學組高級主任楊元富先生主講，介紹二零零四年優先錄取計劃的特色、靈活學分制、本科新生獎學金、海外交流活動、領袖培育課程和合辦生活等，讓中六學生及家長充分了解該計劃的詳情，以及中大的校園生活。

何文匯教授（圖）表示，去年透過優先錄取計劃入讀中大的中六生有一百七十十一人，他們的修業成績相當理想，更充分利用中大的設施及非正式教育活動，融入大學生活，努力鍛鍊自己，擴闊視野。

大學今年在籌募獎學金方面成績不俗，可增添獎學金予優秀的中六生，金額由四萬二千元至二十一萬元不等，不設名額限制。香港中學會考八優生，可免一年學費；九優生免三年學費，如入讀醫科可免四年學費；十優生如選擇用四年完成整個學位課程，可免四年學費，如攻讀醫科更免五年學費。