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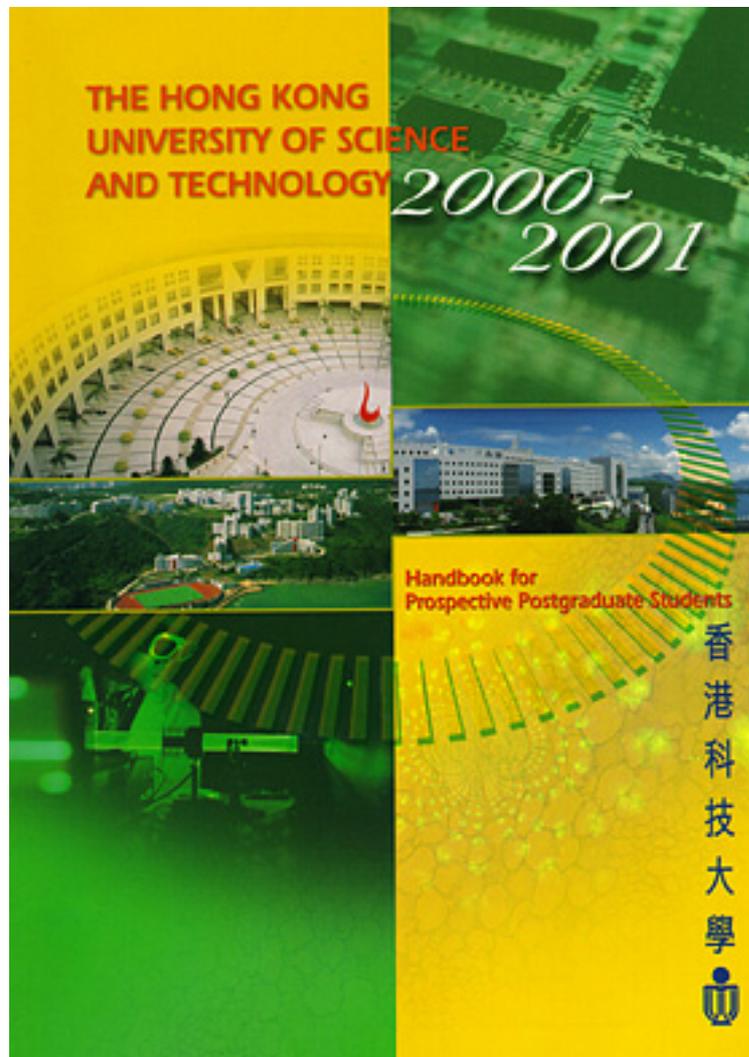
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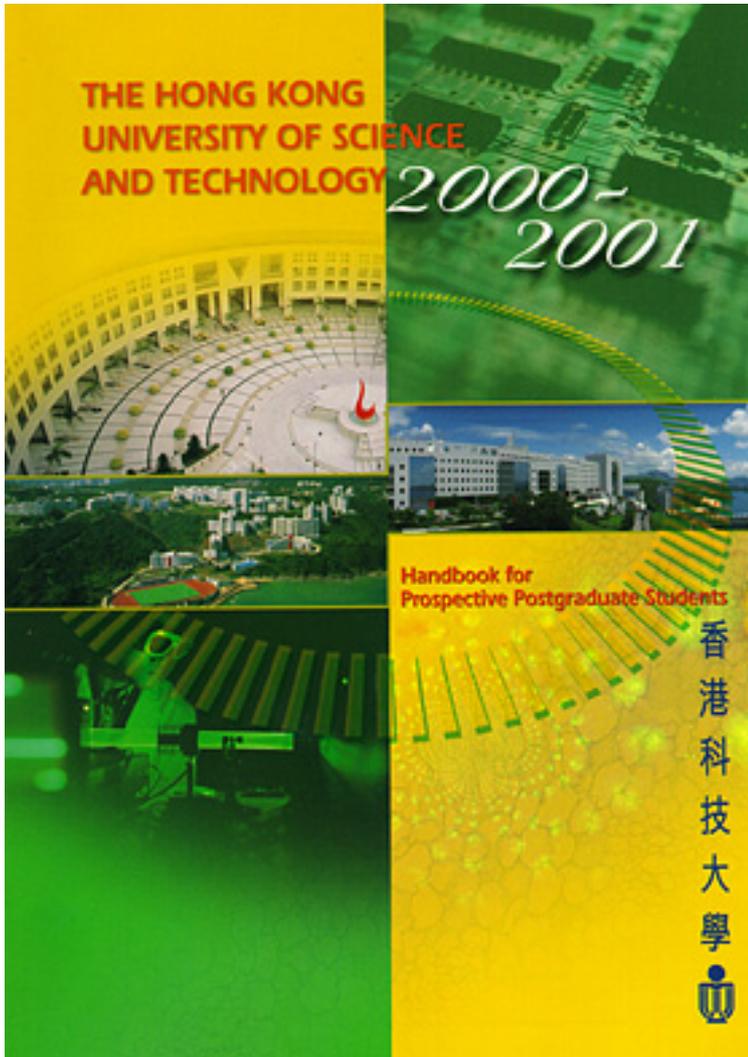
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A MESSAGE FROM THE PRESIDENT

Over the last two decades, the meaning of “higher education” has changed in Hong Kong. Today, a baccalaureate degree gives a young person entry into the business and professional world, but a strong postgraduate education is fast becoming a necessity for those who wish to be truly competitive. This has been the experience in economically advanced countries, and it is becoming increasingly evident in all the newly industrialized economies, notably Singapore, South Korea, and Taiwan.

For Hong Kong, the first decade of the next century will be a time of great challenge and opportunity. As a postgraduate student at the Hong Kong University of Science and Technology, you can prepare yourself to take on a leadership role in a world of high technology and global management. And with an advanced degree, you will be ready to help as Hong Kong builds the dynamic, technologically advanced, knowledge-based economy that will carry itself and China past the recent Asian financial crisis into a prosperous 21st century.

The Hong Kong University of Science and Technology was created to assist Hong Kong in this transition. The University awards postgraduate degrees in four schools — Science, Engineering, Business and Management, and Humanities and Social Science — and can accommodate all full-time postgraduate students in residential halls on our beautiful, state-of-the-art campus.

We are justifiably proud of our academic staff — all of whom possess the doctoral degree, an overwhelming majority from the best universities in North America and Europe. This outstanding concentration of talent is led by distinguished scholars who have served as senior professors in major research universities worldwide, or in equivalent posts in industry. They all possess rich experience in directing postgraduate

and postdoctoral studies, they have published extensively in leading professional journals, and they are highly respected internationally. Many of them have worked closely with business and industry. They are precisely the kind of teachers and mentors sought by Hong Kong students who have gone overseas to study.

We welcome applications from graduates of our fine sister institutions in Hong Kong, as well as from graduates of strong institutions elsewhere. Students from other parts of China and overseas help not only to broaden our vistas, but to enhance the intellectual and cultural blend that makes Hong Kong one of the great cities of the world.

We also invite applications from those who are currently employed. Mature and already contributing members of society are an important component of our postgraduate student body, bringing real-world experience to enrich the perspective of their fellow students. At HKUST, postgraduate degrees can be earned through part-time, as well as full-time study.

Friends, if you share our love for learning, our faith in the future of Hong Kong, and our sense of mission and excitement, please join us.

A handwritten signature in black ink, appearing to read 'C. W. WOO', with a horizontal line underneath the name.

Professor Chia-Wei WOO
President

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I. THE UNIVERSITY

Introduction

The Hong Kong University of Science and Technology (HKUST) opened in October 1991 as a technological university dedicated to the advancement of learning and scholarship, with special emphasis on research, postgraduate education, and close collaboration with business and industry.



The University occupies an impressive 60-hectare site on the northern end of Clear Water Bay Peninsula at Tai Po Tsai. Situated on the slopes along the shore, the campus grounds are terraced to afford buildings on all levels with unobstructed panoramic views of the sea.

The campus has been built in two phases. Phase I was completed in July 1991 and has a capacity of 2,000 full-time equivalent (FTE) undergraduate and postgraduate students. Phase II, bringing capacity to about 7,000 FTE students, was completed in January 1993.

The major source of financial support for the University is the Government of Hong Kong through the University Grants Committee (UGC) and its Research Grants Council (RGC). Student fees, other sources of research support and donations are also significant contributors to the University's budget, which will exceed \$1.7 billion in 1999-2000. Construction of Phases I and II of the campus was assisted by a grant from the Hong Kong Jockey Club of almost \$2 billion towards the cost of over \$3.2 billion.

The President is the chief executive officer and the three principal branches of the University are Academic Affairs, Administration and Business, and Research and Development, each headed by a Vice-President. Within Academic Affairs are the four schools which comprise the academic heartland of HKUST, each school divided into departments or divisions. There are a number of academic service units and research units located administratively within the branch as well. Administration and Business is concerned with the non-academic administrative and financial operation of the University, and Research and Development focuses on research administration and contractual and applied research relevant to Hong Kong's technological and socio-economic development.

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Three of the University's schools - Science, Engineering, and Business and Management - provide both undergraduate and postgraduate education. The School of Humanities and Social Science offers postgraduate education and general education for all undergraduates. As the medium of instruction is English, classes aimed at improving English language skills are required of most students.

To complement the schools and their constituent academic departments, the University has set up interdisciplinary research institutes and centers, the Applied Technology Center and the Technology Transfer Center to facilitate collaboration among the different schools and partnerships between the University and the public and private sectors.

Academic Faculty

The University recruits worldwide for faculty who have achieved excellence in their fields and are highly respected as both teachers and researchers. These include both established academics and promising younger scholars. More than 85% have experience at the world's leading research universities, either as PhD graduates, or through postdoctoral studies or teaching appointments.

These men and women care about Hong Kong, its people and its future. They have broad intellectual interests, and wish to work collaboratively with colleagues in other fields and interact with professionals in industry, commerce and the public services. Most importantly, they care about their students.

The University began instruction in 1991 with some 100 faculty, a large percentage of whom were in senior positions. By the end of 1998, more than 400 academics had been appointed.

Students

The University seeks highly qualified and motivated young men and women with wide interests who have received a well-rounded secondary education. In addition to having achieved good grades, they should be active participants in diverse activities and possess great potential.

The University's goal is to engage its students in a continuous dialogue, to challenge them intellectually, and to encourage them to think on their own and to learn how to learn. Thus the University's graduates will become competent professionals, innovative leaders in their fields, adaptable and versatile generalists, and sensitive, caring citizens.

Postgraduate Programs

The University offers postgraduate programs leading to master's and doctoral degrees in all four Schools, as indicated below:

Program	Code
SCHOOL OF SCIENCE	
Master of Science (MSc)	
Biotechnology#	M511
Environmental Science	M521
Materials Science and Engineering#	M517
Mathematics	M141
Physics	M151
Master of Philosophy (MPhil)	
Biochemistry	M110
Biology	M120
Chemistry	M130
Mathematics	M140
Physics	M150
Doctor of Philosophy (PhD)	
Biochemistry	D110
Biology	D120
Chemistry	D130
Mathematics	D140
Physics	D150

Also available to students in the School of Engineering.

SCHOOL OF ENGINEERING

Master of Science (MSc)

Chemical Engineering	M211
Civil Engineering	M222
Computer Science	M231
Electrical and Electronic Engineering	M241
Environmental Engineering	M519
Industrial Engineering and Engineering Management	M252
Mechanical Engineering	M261

Master of Philosophy (MPhil)

Chemical Engineering	M210
Civil Engineering	M223
Computer Science	M230
Electrical and Electronic Engineering	M240
Industrial Engineering and Engineering Management	M253
Mechanical Engineering	M260

Doctor of Philosophy (PhD)

Chemical Engineering	D210
Civil Engineering	D221
Computer Science	D230
Electrical and Electronic Engineering	D240
Industrial Engineering and Engineering Management	D251
Mechanical Engineering	D260

SCHOOL OF BUSINESS AND MANAGEMENT

Executive Master of Business Administration (EMBA)	A300
Master of Business Administration (MBA)	M300
Dual Degree Programs (part-time only) :	
Master of Business Administration / Master of Science in Information Systems Management	M300 SM
Master of Business Administration / Master of Science in Investment Management	M300 IM
Master of Science (MSc)	
Economics	M331
Information Systems Management (part-time only)	M321
Investment Management (part-time only)	M341
Master of Philosophy (MPhil)	
Accounting	M310
Economics	M330
Finance	M340
Information Systems	M320
Operations Management	M373
Management of Organizations	M350
Marketing	M360
Doctor of Philosophy (PhD)	
Accounting	D310
Economics	D330
Finance	D340
Information Systems	D321
Operations Management	D323
Management of Organizations	D351
Marketing	D360

SCHOOL OF HUMANITIES AND SOCIAL SCIENCE

Master of Arts (MA)	
China Studies	M523
Humanities	M413
Social Science	M423
Master of Philosophy (MPhil)	
Humanities	M410
Social Science	M420
Doctor of Philosophy (PhD)	
Humanities	D410
Social Science	D420

II. ADMISSION OF STUDENTS

Postgraduate Admission Requirements

Applicants seeking admission to a master's degree program should have obtained a first degree from this University or a recognized institution, or obtained an approved equivalent qualification; and satisfied the school and department concerned as to their fitness as well as their English ability to pursue the postgraduate program.

To be eligible for admission to a PhD degree program, applicants should normally have obtained a master's degree from this University or an approved institution, or presented evidence of satisfactory work at the postgraduate level on a full-time basis for at least one year, or on a part-time basis for at least two years; and satisfied the school and department concerned as to their chosen subject of research, as well as their fitness and English ability to undertake the research.

Selected applicants may be invited for interview. Successful applicants will receive an offer of admission from the school or department concerned, and may be required to satisfy specified conditions. Applicants receiving an offer will be expected to accept or decline by a specified date.

Application for Admission

Application forms for admission to postgraduate programs are available directly from :

Admissions, Registration and Records Office
The Hong Kong University of Science and Technology
Clear Water Bay
Kowloon
Hong Kong

The application form can also be downloaded from the University's homepage on the World Wide Web at the address : "[http:// www.ab.ust.hk/arr](http://www.ab.ust.hk/arr)" under the topic "For Prospective Postgraduate Students - How to Apply".

The application fee for 2000-2001 is HK\$120. Applications for admission to postgraduate programs in September of the year are normally invited from January onwards. Interested persons are strongly advised to apply well before the program closing dates. In order to allow sufficient time to obtain a visa to study in Hong Kong, non-local applicants are encouraged to submit their applications as early as possible and not to delay submission until the closing date. Late applications may be considered, subject to availability of places.

Items to be submitted with the completed application form include a one-page statement on study plans and career goals; two letters of recommendation mailed directly to the Director of Admissions, Registration and Records; and officially certified academic transcripts of undergraduate studies (and postgraduate studies, if any); and a copy of the bank pay-in-slip confirming that the application fee of the HK\$120 has been paid into the University bank account.

For non-local applicants, if official transcripts are in a language other than English or Chinese, a certified translation into English must be provided. In lieu of the bank pay-in slip confirming payment of application fee, non-local applicants may submit a bankdraft of an amount equivalent to US\$16.00 with the completed application form.

Students from Outside Hong Kong

General Information

The University welcomes applications from non-local students who are seeking admission to full-time studies at the postgraduate level. Applicants should be aware, however, that competition for admission is such that only very well-qualified candidates will gain admission.

Certified true copies of all degrees, diplomas, certificates and other qualifications held should be submitted with the application form. Applicants accepted for admission will be required to produce the original documents on arrival at the University.

Tuition Fee and Cost of Living

Non-local students should carefully consider the financial aspects of their studies in Hong Kong before applying for admission. Non-local students should note that they are not allowed to work in Hong Kong, part-time or full-time. The tuition fee for the current academic year 1999-2000, is HK\$42,100 per annum (except for EMBA and MBA programs). The tuition fee amount is annually reviewed by the Hong Kong Government. It is anticipated that there will be a small increase in the tuition fee for the 2000-2001 academic year.

Accommodation in on-campus postgraduate housing will involve approximately HK\$16,300 - HK\$31,050 per residential year (9 months). In addition monies will be needed for subsistence, textbooks, local travel, sports equipment, clothing, and other personal needs. A total of at least HK\$117,000 - HK\$130,000 per academic year (9 months) is likely to be required for postgraduate study.

Visa

Non-local students must obtain a Hong Kong student visa before they travel to Hong Kong to begin their studies. Without a valid visa, they cannot register for their program of study at the University. The student visa will also enable students to enter Hong Kong as students.

Applications should be made well in advance at a Chinese Embassy or Consulate, or by writing directly to the Hong Kong Immigration Department, 2/F, Immigration Tower, 7 Gloucester Road, Wanchai, Hong Kong. Applicants will be required to show sufficient financial resources to cover expenses for their period of study. Applicants must also nominate a sponsor who is a resident of Hong Kong, aged over 21, to whom they are known personally. Applicants who have difficulty in nominating a sponsor in Hong Kong may indicate on their visa applications that the University's Director of Admissions, Registration and Records is willing to act in this capacity.

Students from the Chinese Mainland

Students from the Chinese Mainland should note that they must apply for a student visa through their home unit, which is a process that takes several months. In addition, students from the Chinese Mainland cannot come to Hong Kong as students using ordinary Special Administrative Region (SAR) Entry Permits. They must have a valid Public Affairs Entry Permit issued by the State Council of China in order to be issued a student visa.

Visiting Overseas Students

Students from overseas institutions who wish to study at the University on a short-term basis, i.e. a minimum of one semester and a maximum of two, may apply for admission to the University as visiting overseas students. The application fee for 2000-2001 is HK\$120. Visiting overseas students may take courses but are not enrolled on specific programs of the University. Details on the application procedures for visiting overseas students can be obtained from the Admissions, Registration and Records Office.



III. FEES, SCHOLARSHIPS AND FINANCIAL ASSISTANCE

This section deals with tuition and other fees, and financial assistance available for students.

Fees for 2000-2001 Academic Year

There are a variety of fees as described below. Except for caution money, fees described below are not refundable.

1. Application Fee

An application fee of HK\$120 is charged for each application for admission in 2000-2001 to the University. This fee, payable at the time of submission of the application form, is not refundable.

2. Tuition Fee

The tuition fee for the current academic year 1999-2000, is HK\$42,100 per annum (except for EMBA and MBA programs) for full-time students and HK\$21,050 per annum for part-time students. The tuition fee amount is annually reviewed by the Hong Kong Government. It is anticipated that there will be a small increase in the tuition fee for the 2000-2001 academic year. The fee is to be paid in two equal installments before the beginning of each semester.

3. Fee structure for full-time and part-time MBA students

The fee structure for full-time and part-time MBA students is described in the MBA brochure of the School of Business and Management.

4. Fees for visiting overseas postgraduate students

Application fee	HK\$120
Tuition fee for visiting overseas postgraduate students	HK\$21,050 (subject to review by the HKSAR Government) for one semester of full-time mode of study; or HK\$1754 per credit (subject to review by the HKSAR Government) for studies during the Winter or Summer Session.

5. Partial fees

Taught postgraduate students studying beyond the normal duration	HK\$1754 per credit (subject to review by the HKSAR Government)
Research postgraduate students studying beyond the normal period	50% of the tuition fee paid for that semester will be refunded if all program and residency requirements of the University have been met within the first three calendar months of a semester.

6. Caution money

Each new student is required to pay a deposit of \$300 as caution money on first registration. Charges will be made against this deposit if there are any unpaid claims against the student, such as outstanding library dues. The balance will be refunded if the student leaves the University before graduation. At graduation, the student is required to restore the balance of the caution money to its original level and the full amount of the caution money will be transferred towards the graduation fee.

7. Graduation fee

Upon completion of the program of study and before the degree or diploma is awarded, each student is required to pay a graduation fee of \$300. The fee is normally settled by transferring the full amount of the caution money.

8. Students' Union fee

Students joining the Students' Union are required to pay an initial entry fee and thereafter an annual subscription. These fees are set by the Union and collected by the University on behalf of the Union. The entry fee, applicable to students admitted for the first time, is \$100 and the annual subscription is \$100.

9. Late charges

Students may be required to pay late charges for failure to complete certain University procedures by stipulated deadlines. These include overdue library books. Late charges are levied in accordance with the rules and regulations set by the respective offices.

10. Charges per person for on-campus student accommodation

(Charges are subject to confirmation)

Postgraduate Hall :

Single rooms; HK\$16,300 per residential year (9 months)

University Apartments :

Single rooms; HK\$3,450 per calendar month (including utility charges)

All rooms are air-conditioned and the charges for Postgraduate Hall do not include electricity charges for air-conditioning. All charges are paid in advance by installments.

11. Other small fees and charges

Transcript fee per copy# (excluding registration mail charges)	\$50
Replacement of Student I/D Card	\$50
Testimonial fee	\$20

(# A free copy will be issued to students upon graduation or withdrawal from the University.)

Scholarships

Scholarships and Prizes

The University administers a number of scholarships and prizes on behalf of individual and corporate donors. Most are awarded to students, without application, on the strength of academic merit and the recommendations of a school or department. Other scholarships may have conditions specified by the donor. Details are obtainable from the Student Affairs Office.

Postgraduate Studentships

The University awards postgraduate studentships (PGSs) to selected full-time research postgraduates who consequently engage in ancillary teaching and/or research duties. In the 1999-2000 academic year, the rate of PGSs was \$15,500 per month.

Financial Assistance

Government Student Financial Assistance

Full-time students who have the right of abode in Hong Kong or have resided or have had their home in Hong Kong continuously for three complete years immediately prior to the commencement of their year of study are eligible to apply to the Government Student Financial Assistance Agency for financial aid. Assistance is offered through two schemes :

- ***Means-tested scheme :***

Under this scheme, means-tested awards are offered in the form of grants and/or loans. Grants are given for tuition fee and academic expenses while loans are for living expenses. The amount awarded is related to family income and financial status. Grants need not be repaid; loans are to be repaid at a relatively low interest rate of 2.5% per annum within a specified period after graduation or upon leaving the University.

- ***Non-means-tested loan scheme :***

This scheme offers loans up to the amount of tuition fee to applicants who do not apply for assistance or who fail to receive assistance from the means-tested scheme. It also allows students who receive assistance from the means-tested scheme to top up the grant and loan amount to its maximum level, subject to the non-means-tested loan maximum (equivalent to the amount of tuition fee) not being exceeded. Loans awarded are not means-tested. Students are expected to repay the loans at a cost recovery interest rate within a specified period after graduation or upon leaving the University.

Students may apply for assistance from both schemes or either one. Application forms and further details may be obtained from the Government Student Financial Assistance Agency at 11/F & 12/F Cheung Sha Wan Government Offices, 303 Cheung Sha Wan Road, Kowloon, Hong Kong (with effect from February 2000), or from the Student Affairs Office of the University. Students with financial difficulties are urged to apply for Government assistance as soon as it is open for application.



University Loans and Bursaries

Students with additional financial needs may apply for loans and bursaries administered by the University. In general, these funds are used to supplement, but not substitute for, Government financial assistance. Details of loans and bursaries are available at the Student Affairs Office.

IV. GENERAL INFORMATION ON POSTGRADUATE STUDIES

Postgraduate Studies

1. Full-time and Part-time Study

Most postgraduate degrees are available on both part-time and full-time basis. The taught programs leading to the MSc, MA and MBA degrees are suitable for students interested in part-time study. The MPhil and PhD are research degrees, and students in some disciplines may be required to participate in research on a full-time basis.

Postgraduate students may apply to their department, prior to the beginning of any semester, for transfer from full-time to part-time status or from part-time to full-time status. When such a transfer is allowed, the remaining degree requirements will be determined.

Full-time students in taught programs are expected to be in attendance during those semesters and sessions for which their programs are scheduled. Research students are expected to be in attendance on a year-round basis. For part-time students, attendance shall be as above except on a part-time basis as defined by the requirements of their programs.

2. Double Registration

Unless prior permission from the Director of Admissions, Registration and Records is obtained, students are not permitted to concurrently register for another program at this University or at another tertiary institution. Student enrollment lists are compared with those of other tertiary institutions from time to time. If students are found to be registered elsewhere, they will normally be required to discontinue their studies at this University.

3. Duration of Study

Taught master's programs

For full-time MSc and MA students, the normative periods for completing the degrees is one or one and a half years as specified by individual programs. Part-time students may expect to take twice the time of full-time students. The normal period for completing the MBA program is two years for both full-time and part-time students.

Research degree programs

The normal period for completing the PhD degree in full-time mode is four years with a reduction of one year (subject to the approval of Senate) if a relevant research master's degree is earned prior to entering the PhD program. For MPhil degree in full-time mode, the normal period of study is two years.

Time restrictions on degree completion

The maximum time allowed for degree completion is five years for a master's degree and eight years for a doctoral degree, with a one year reduction if a relevant research master's degree is earned prior to entering the PhD program. These time limits are in effect whether or not the student is in continuous registration. Time limits for part-time study are the same as for full-time study.

4. Advanced Standing

Advanced standing may be granted to students in recognition of studies completed successfully elsewhere. Application must be made to their major department during their first semester after admission. Late applications will not be considered. Conditions on the granting of advanced standing credits are as follows :

- a. No more than half of the required course work for students on taught postgraduate programs can be granted advanced standing credits;
- b. Credits earned at the undergraduate level can only be used for advanced standing purpose if the credits had not been used for the award of another academic qualification and that the course must be at the 300-level, and
- c. Advanced standing credits cannot be granted in recognition of non-course work experience or research work completed either at the University or at other institutions.

The amount of advanced credits to be granted will be determined by the major department on review of past academic records and the level of equivalence to HKUST courses required.

Advanced standing credits granted will not be included in the calculation of grade averages.

5. Residency Requirements

Normally, a full-time research student is required to be on campus full-time and consequently in such geographical proximity as to be able to participate fully in University activities associated with the program. Residency provides the student with an opportunity to become immersed in the intellectual environment of the University. Also included in residency are periods during which the student's research requires off-campus field or non-HKUST laboratory work.

Normally, the residency requirement for an MPhil degree is four full-time semesters and that for a PhD degree is eight with a reduction of two semesters if a relevant research master's degree is earned prior to entering the PhD program (subject to the approval of Senate). In many departments, the semester may include all or part of the subsequent session. A semester of residency of a part-time student counts as a one-half semester of residency. Students who have not completed their thesis work should continue registration on a full or part-time basis, without interruption.

These residency requirements do not apply to taught postgraduate programs which are defined by the semesters and sessions in which the programs are scheduled.

V. ACADEMIC SERVICES

Teaching and research at the University are supported by a number of academic service units.

Center for Enhanced Learning and Teaching

The Center for Enhanced Learning and Teaching (CELT) is a new establishment, dedicated to the advancement of quality education by fostering a continuous improvement culture on learning and teaching quality among students, faculty and other teaching staff at HKUST.

CELT provides leadership in the development and promulgation of effective teaching methods and technologies and collaborates with faculty to explore pedagogical and technological initiatives. Through consultation, evaluation service, grants for teaching improvement projects, provision of needed professional advice and technical support, the Center assists faculty members and other teaching staff in improving their teaching quality and achieving teaching excellence. The Center also organizes orientation and series of workshops and seminars for teaching assistance (TAs) and works with departmental TA Coordinators to support TAs in their work.

At the same time, CELT has a particular role to play in enriching students' learning from an institutional and cross-discipline perspective. CELT will initiate, collaborate and coordinate programs that encourage well-rounded and active learning experience. The Center will also serve as a resource for information on effective learning and teaching .

As a form of community service, CELT extends its support service to school teachers in their use of technology in teaching. Several series of workshops related to information technology and teaching are being organized for school teachers.

Information Technology Services Center

The Information Technology Services Center (ITSC) develops and manages the computing and networking infrastructure of the University. It provides computing support to undergraduate and postgraduate teaching, and research applications in all Schools. In addition, the Center also looks after the central audio-visual (AV) needs of the University to facilitate teaching and learning.

The HKUST computing environment is based on a distributed client-server architecture. The cornerstone is an advanced high-speed switched Gigabit Ethernet and FDDI (Fiber Distributed Data Interface) network backbone. International Internet connectivity is provided by multiple high-speed links. Most of the laboratories and offices are provided with switched Ethernet or Fast Ethernet connections.

The network covers not only all the academic buildings but also reaches out to staff quarters and student halls. Staff and students can also access network services via a number of Express Stations at various campus locations, or they can connect their home computer to the campus network via dial-up modem pools.

The Center operates powerful servers to provide campus-wide network services such as e-mail, network printing, World-Wide Web and electronic notice board. One important characteristic of the University's computing environment is its multimedia and Chinese-English bilingual capability. Increasingly, more network services will have these features. All personal computers and scientific workstations are connected to a vast array of information and computing resources such as Library systems, administrative systems, academic software packages and audio/video broadcasting programs.

The Center manages a number of central computing laboratories, providing PC, Macintosh and Unix workstation facilities for teaching and students use. Software training programs are provided to assist users to get the most out of their computers. The Center also looks after centrally-provided AV facilities in all common teaching venues, including 8 lecture theaters, some 70 classrooms and 30 teaching laboratories.

Language Center

The Language Center has a pan-University role in the provision of language courses. Its Group Communication Skills Development program for the School of Engineering seeks to help students acquire the necessary language skills to gain the maximum benefit from their postgraduate curriculum. The Managerial Communication program and the Oral Business Communication program in Putonghua are designed to cater for the career needs of the MBA students. The Language Center also offers a Postgraduate Self-Access English Language program for all postgraduate students to enable them to plan and conduct their own language learning project in order to improve any aspect of their English.



Apart from these programs, the Language Center also offers courses in written Chinese, Putonghua, Cantonese, Japanese, Korean, French, and German. The courses in Putonghua have so far proved especially popular, reflecting the growing recognition of its importance in the job market.

The Language Center has three 24-booth language laboratories, complete with advanced audio-visual and computer equipment, which are used by class groups to practice their listening, speaking and writing. For students who need further help with their writing, the English Writing Center (a service offered by the Language Center) organizes workshops and gives individual consultations.

The Language Center also runs the Self-Access Center -- a well-equipped facility that provides a wide variety of materials, activities and services to aid self-directed learning of English, Putonghua and many other languages. The Self-Access Center is open to staff and students on weekdays (9 am - 8 pm) and Saturday mornings.

Publishing Technology Center

The University is committed to maintaining high standards and engaging up-to-date methods in undergraduate and postgraduate teaching, research and publication. To this end, the Publishing Technology Center (PTC) sustains a comprehensive publishing service for all academic and research staff.



PTC has professional staff working in each of the following areas:

- The **Design and Multimedia Team** provides assistance in the graphic design and production of university publications, teaching, research and promotional materials. It also provides web page design, CD-ROM production, computer graphics output and large-format plotting services.
- The **Photo Imaging Team** supports photographic flat-copying, location shooting, portrait and event photo-taking together with image editing to produce slides, transparencies and prints for academic and publicity purposes.
- The **Print Shop** provides high-speed, high-volume reprographic and offset printing services.
- The **AV Production Team** assists in the planning, videotaping, editing and duplication of AV, digital and multimedia materials for teaching, research, evaluation or promotional purposes.

With the collaborative effort of these teams, PTC is charged to become a one-stop shop for print and electronic publication on campus. Furthermore, it also acts as the internal consultant, coordinator and quality controller of publications and media production works to be outsourced via the Center.

On top of providing design, production and consultation services, PTC does maintain a **self-access area** for UST colleagues to share the use of its modern yet user-friendly facilities and a **production studio** where live AV recordings, training workshops and interactive lectures can be conducted upon request.

Safety and Environmental Protection Office

The University is committed to conducting all its teaching, research and other operation in a safe and environmentally friendly manner and in compliance with relevant regulations. Heads of each campus unit has the responsibility to implement the University safety policy and to ensure a safe and environmentally healthy workplace. All members of the campus community must follow safety and environmental procedures and watch out for the safety and health of one another. The Safety and Environmental Protection Office (SEPO) was established to develop and help implement safety and environmental policies and procedures, and to provide necessary services to facilitate the realization of this commitment. The Office also provides leadership on the promotion of safety and environmental protection culture and awareness. It is our vision that students will learn about safe and environmentally friendly practices while studying at HKUST and will also take this knowledge and experience into the community after graduation to positively impact the safety performance and environmental consciousness of the Hong Kong community.

Specifically, SEPO contributes to this university commitment in the following ways:

- Provides consultation on the planning of facilities and operations to address safety and environmental concerns
- Liaises with governmental agencies to facilitate regulatory compliance on safety and environmental issues
- Conducts risk assessment and review of research proposals
- Conducts inspections and audits to evaluate performance
- Monitors personnel exposure to hazardous materials to ensure compliance with regulatory limits, and evaluates the performance of hazards control equipment
- Provides general safety training on a variety of safety subjects to complement supervisors' hands-on safety training and to address curriculum requirements
- Assists with the proper selection of personal protective equipment
- Coordinates emergency response and organizes drills
- Coordinates the implementation of a medical surveillance program to address occupational health issues
- Monitors air emission, liquid effluent and waste management to ensure proper practice and compliance
- Stops operations which involve repetitive violations or imminently dangerous situations
- Conducts accident and incident investigations to identify causes and to assist with preventing recurrence

University Library

The Library is an integral component of the academic programs, supporting the University's teaching and research in science, engineering, business and management, the humanities and social sciences. As of 2000, the Library's book, periodical, and microform collections total approximately 550,000 volumes, plus 26,000 media materials. Its electronic collections contain over 11,000 discs, including thousands of full-image journal subscriptions and conference proceedings.

In addition, the Library offers its users a learning environment rich in electronic information and services. In a sense the Library is always open in that its extensive array of electronic resources can be accessed from every corner of the campus, including all student and staff housing, twenty-four hours a day. Users can search the Library's catalog of holdings in both English and Chinese using a telnet or Web interface. The Library Web server (<http://library.ust.hk>) has developed into a central information hub for access to Library information, services, and resources; instructional materials; pathfinders; and Internet sites.

An experienced library staff assists users in a variety of ways, from the selection, acquisition, and cataloging of materials to making use of the collection, online searches, and interlibrary loans. There is also a fully-equipped classroom and a computer laboratory for group instruction. The University Library has a strong service orientation in order to effectively meet the information needs of its academic community.

VI. CENTRAL INTERDEPARTMENTAL AND DEPARTMENTAL RESEARCH UNITS

To support and extend research based in academic departments, the University has established a number of research institutes and centers. Institutes promote and facilitate broad interdisciplinary research collaboration, while centers tend to be more focused. Such units advance the complementary research interests of a group of faculty and research staff, normally across traditional disciplinary boundaries.

Together with disciplinary research in academic departments, the following specialized research units provide both postgraduate and undergraduate students with opportunities to participate in leading-edge fundamental and applied research.

Research Institutes

Each research institute is managed by a Director who is responsible for programs, projects, facilities and personnel. Faculty, staff, students and visitors should contact the director if they wish to become involved in a particular program.

Advanced Manufacturing Institute

The mission of the Advanced Manufacturing Institute (AMI) is to enhance the competitiveness of manufacturing enterprise in Hong Kong. By building a synergy among the existing strengths in Automation Technology, Design Technology and Systems Integration Technology in the University and by leveraging on the unique location of Hong Kong in an area of rapid industrialization, the University is well positioned to be a major international center in global manufacturing.

The AMI's research outcomes will directly benefit Hong Kong economy through the upgrading of its manufacturing industry. This includes transferring research results to local industry, spinning off appropriate projects as stand-alone business ventures, and providing better trained manufacturing professionals.

Areas of Focus

The scope of AMI encompasses the planning, design, implementation and operation of the manufacturing industry from marketing to delivery. Research and development of AMI focus on:

- Automation Technology (including Motion Control, Sensor, Actuator, Instrumentation and Rapid Prototyping),

- Design Technology (CAD/CAM, Concurrent Engineering, Human Modeling, Design Modeling and Virtual Reality Technology), and
- System Integration Technology (Mass Customization, Supply Chain Management, System Engineering, and Environment Policy Compliance).

These technologies are key elements of modern manufacturing systems. In order to achieve world class manufacturing, all three elements above need to be strengthened.

Research Programs and Projects

Manufacturing automation technology programs include rapid prototyping/tooling, manufacturing process control, grinding technology, multi-fingered robotic hands and manipulation, special-purpose robots, robotic vision and sensing systems, fuzzy control systems, non-linear and robust control techniques for mechatronic applications, motor drive and control systems, transportation automation, industrial motion control applications.

Design technology programs include manufacturing system design, modeling and simulation for business process engineering, computer-aided design, human modeling, finite element modeling, reliability modeling of electronic packaging, design for supply chain management, concurrent engineering, design knowledge management systems, process design, CAD for quality and manufacturability.

System integration technology programs of manufacturing include mass customization, supply chain, integrating human factor, organization and technology, CAD/CAM integration systems, computer-aided process planning, computer integrated manufacturing system, quality control and measurement technology, management for new product development.

Advanced Materials Research Institute

The Institute aims to promote and enable basic and applied research in advanced materials, and to provide for postgraduate degree programs and the incorporation of materials science into the undergraduate curriculum. Its research emphasis is on materials performance, structure and composition, properties, and synthesis and processing in

- (a) thin-films, solid state clusters, laser and photonic materials, and magnetic materials;
- (b) liquid crystals, ceramics and polymers; and
- (c) bulk polymers, composites and biomedical materials.

Included within the scope of the Advanced Materials Research Institute are the Materials Modeling Laboratory, the Zheng Ge Re Thin Film Science Laboratory providing epitaxial growth technology, the Joyce M. Kuok Laser and Photonics Laboratory, the William Mong Solid State Laboratory, and the Magnetic Materials Laboratory. Recent activities have gravitated toward concerted efforts by members of the various AMRI laboratories on the syntheses, characterizations and applications of nanostructured materials of various types and combinations.

Biotechnology Research Institute

Globally, biotechnology continues to represent one of the most rapidly growing industries as a result of its propensity to provide innovative and state-of-the-art solutions to many complex issues facing the future well-being of the world and its population. As we enter the 21st Century, exciting and historical breakthroughs in basic and applied research await us just over the horizon. These critical advancements and their immediate applications to the medical, agricultural, food, energy and environmental sciences will ensure the continued outgrowth of the biotechnology industry. Noting the rapid pace by which biotechnology products are being developed, the future growth and expansion of this industry will most assuredly have a profound impact on the future health and well-being of humankind, as well as the world's economy. In light of these developments, many countries have begun to recognize the importance of building-up their existing biotechnology base. From its inception, HKUST has made development and advancement of biotechnology one of the primary research initiatives of its faculty. With intuitiveness, HKUST in 1990 established the Biotechnology Research Institute (BRI) using a generous donation of \$130 million from the Hong Kong Jockey Club.

The mission of the BRI is to assist Hong Kong in developing a strong biotechnology industry through recruitment of outstanding and motivated faculty, training of professionals, expansion and continued development of state-of-the-art research facilities, support of basic and applied research in relevant areas of science, and further development and enhancement of existing biotechnology products. Additionally, the Institute has assumed a committed and supportive role for the development of enabling technologies, such as genechips and integrated biochips, which will be vital to establishing a globally competitive biotechnology industry in Hong Kong. The focus of BRI research and development interests and expertise include :

Traditional Chinese Medicine (TCM)

- to provide scientific verification of the effects of TCM
- to discover lead compounds for new drug development
- to evaluate the efficacy and safety of TCM
- to develop methods and protocols for TCM quality assurance and reformulation

Neuro-Proteins

- to discover novel neuro-proteins and elucidate their cellular functions and molecular interactions
- to identify potential therapeutic and diagnostic approaches to neuro-diseases

Protein Engineering and Design

- to elucidate the pathways of protein folding and the structural basis of protein stability so that therapeutically useful proteins with improved properties can be designed.

Plant Biotechnology

- to produce transgenic crop plants that can better withstand the environmental stresses inherent to this region, and bring about improvements to the agricultural economy of the region.

Additionally, BRI actively sponsors several research facilities essential for conducting cutting-edge biotechnology research:

- Plant Growth Facility
- Fermentation Facility
- Microscopy Facility
- Nuclear Magnetic Resonance Facility (500 MHz & 750 MHz)
- Animal Care Facility
- Drug Screening Facility
- Molecular Biology Facility

Currently, BRI maintains numerous worldwide affiliations with universities, research institutes and industrial entities, as well as serving as a supporting institution for the newly formed International Molecular Biology Network for Asia and the Pacific Rim (IMBN).

BRI's web site address : (<http://www.ust.hk/~bri>)

Europe Institute

The mission of the Europe Institute - an umbrella organization focused on science, technology, and management - is to promote academic exchange and R&D collaboration with European universities, research institutes, and corporations. It provides a foothold for European institutions seeking to establish a strong, long-term presence in China or East Asia - especially in academic research, applied R&D work, technology-based manufacturing, and the service industry.

Two national centers are formed under the Institute: the German Center and the French Center. Activities of these Centers include:

- faculty collaboration involving short-term visits
- long-term collaborative research projects
- student exchange, particularly at the graduate level
- collaboration on major contract research and R&D projects

Hongkong Telecom Institute of Information Technology

This Institute was founded with a major grant from Cable and Wireless HKT. The concept of the Institute is based on the recognition that in future there will be no economic development, no industry or commerce, no service or manufacturing capability of any significance without the full utilization of telecommunication and information technology. All Schools at the University are involved in the research activities of this Institute. At present, the Institute is sponsoring five major research programs, namely lightwave technology, network technology, wireless communication, video technology, and human language technology.

Undergraduate scholarships and postgraduate research assistantships are also offered through the Institute, and certain members of the academic faculty are designated as Institute Fellows.

Institute for Environment and Sustainable Development

Hong Kong has made the improvement of its environment a high priority to ensure sound future development. HKUST has contributed to this effort over the past six years through its Institute for Environment and Sustainable Development and through the collaborative efforts of the staff and students in the participating departments. Over 40 projects have been carried out for a total funding of over \$35 million in collaboration with governments and industries in Hong Kong, China and Southeast Asia. The projects cover air and water pollution, marine coastal zone management, cleaner production for Hong Kong and China's industries, eco-labeling for Hong Kong, remote sensing and environmental GIS studies, to name but a few.

The change of name to "Institute for Environment and Sustainable Development" (IESD) as of 1 April, 1997 is deliberate. It emphasizes that the philosophy of the Institute is to support development necessary for a growing population and an increasing standard of living, but to ensure as much as possible that such development is carried out in a "sustainable" way, that is, in harmony with our environment.

The newly awarded Pearl River Estuary Pollution Project (PREPP) by the Hong Kong Jockey Club Charities Trust through the Chief Executive's Community Project List started on 1 January 1999 for a three-year period. It is a joint project between HKUST's IESD and CCAR (Center for Coastal and Atmospheric Research) and several partner institutions in the Mainland, especially in Guangdong Province. Its objectives are to improve our scientific knowledge of the complex physical, chemical and biological ecosystem of the estuary, to establish pollutant loads and their eventual reductions, and to improve the collaboration between Hong Kong and Guangdong institutions

Institute for MicroSystems

The Institute has been formed to promote research in crucial areas of microelectronics and to transfer the technologies developed to the local electronic industry to raise its competitive edges and to spawn new business. Activities of the Institute focus on four areas:

- Integrated Systems Design
- Display Technology
- Sensors and Actuators
- Electronic Packaging and Assembly

The University's facilities for electronics fabrication, the Microelectronics Fabrication Facility, is central to the activity of the Institute.

More than 40 faculty members from the Departments of Electrical and Electronic Engineering, Physics, Chemistry, Mechanical Engineering, and Chemical Engineering are expected to participate in research projects under the Institute.

Sino Software Research Institute

The Sino Software Research Institute (SSRI), established in July 1992 with a \$20 million grant from the Sino Land Co., Ltd., has the dual aims of supporting software research that can lead to practical applications, and providing assistance in transforming those applications into useful products.

The Institute sees its primary role as that of a catalyst, helping software research projects reach the critical phase in which ideas may be translated into prototypes that can be evaluated using large-scale trials. The Institute also encourages development efforts in areas that are relevant to the economic and social development of Hong Kong. One such project is the "Hong Kong SuperNet", which makes full Internet access available to the public, an important step to maintaining Hong Kong's status as a regional communications center.

Beyond its interest in software research and development, the SSRI also provides technical and consultative help to local businesses as they seek to implement the latest software technologies. As part of this effort, the Institute sponsors conferences, workshops, seminars and lectures on software topics related to the needs of businesses and public institutions. One such example was the 16th IEEE International Conference on Distributed Computing Systems, which was held in Hong Kong in May 1996. This is IEEE's flagship conference in distributed computing. Some two hundred researchers from local and international organizations attended the conference.

Transportation Institute

Hong Kong must continually upgrade and build new transportation infrastructure to maintain mobility of people and freight. The Transportation Institute is making a contribution through human resource development and R & D partnerships. Its mission is to become an acclaimed world-class Institute, offering education, training and research programs to international standards of excellence while, at the same time, providing human resources and services for the development of the transportation infrastructure in Hong Kong and the region.

In consideration of the needs and opportunities of the region, the Transportation Institute is strategically focusing on systems engineering and technology aspects of:

- passenger transportation systems (urban, regional and international)
- freight systems and logistics (regional and international)
- economics of transportation (passenger and freight)

Research Centers

Center for Asian Financial Markets

The Center for Asian Financial Markets is formed to develop a data and knowledge base on Asian financial markets to facilitate research and the dissemination of knowledge and expertise. It will also provide an academic interface with government and business. Activities will include publications, provisions of expertise, development of new data and teaching materials, a bi-annual newsletter, a working paper series, seminars and public lectures, executive education, consulting services, and contract research.

Center for Coastal and Atmospheric Research

The Center for Coastal and Atmospheric Research is more than a place to collect the existing relevant facilities and to get together faculties and researchers with common interests in coastal and atmospheric research. The main objective is to develop additional capabilities based on the existing strength. The Center strives to achieve the following specific objectives:

- To facilitate the generation of high quality and interdisciplinary research by bringing together collaborators from various internal and external units and disciplines.
- To develop science application at the highest quality for the benefit of society.
- To act as a focal point for HKUST for relevant external matters.
- To provide leading-edge infrastructure support for field data collection, data communication and analysis relevant to the research and development tasks.
- To seek institutional and external support for manpower, equipment and general expenses.

Major research activities will include, but not limited to, the following:

- Coastal environmental studies
- Large scale modeling for coastal water and estuaries
- Coastal engineering
- Meteorology and society: aviation meteorology, real-time application for coastal and atmospheric research
- Coastal and atmospheric research data center for remote sensing, radar meteorology, analysis and data assimilation
- Numerical simulation and prediction of regional and local circulation
- Marine natural products and marine ecotoxicology

Center for Cultural Studies

Highlighted by the endowed Y. K. Pao Professorship, the Center aims at achieving the following objectives:

- bring more cohesion to the interdisciplinary nature of the Humanities and Social Science programs;
- stimulate research and intellectual discussions from a global perspective through conferences, workshops and seminars;
- serve as a regional impetus for contemporary cultural and social criticism in Hong Kong and other Asian societies;
- bring visibility to our program, attract prominent scholars, and facilitate future efforts in obtaining funding for scholarly activities; and
- provide intellectual underpinnings for the University's artistic and cultural life.

Center for Economic Development

Formally established in 1995, the Center for Economic Development promotes strong research programs concentrating on the study of economic development, particularly in the Asia-Pacific region. Emphasis is given to the study of topics such as China's economic reform and open door policy; the economic integration of Hong Kong and Pearl River Delta; the emergence of regional economies in China, in particular the region comprised of the southern coastal provinces. The Center also supports theoretical research on economic growth and transitional economies, and has been active in public policy debates in Hong Kong.

Center for Energy and Thermal Systems

The mission and objectives of the Center for Energy and Thermal Systems (CETS) are: (i) to provide a state-of-the-art facility for education and training of students in energy science and technologies; (ii) to perform leading-edge research in green thermal systems for energy efficiency and conservation; and (iii) to provide certification services for energy efficiency tests of electrical appliances.

Areas of focus include: (i) Electronic cooling (heat pipes, cryogenic cooling); (ii) Air-conditioning and refrigeration (transcritical CO₂ cycle, energy storage systems, compact heat exchangers, dehumidification, indoor air quality, clean room technology); (iii) Fire and waste incineration (smoldering combustion, porous combustors); and (iv) Drying and food processing (fluidized beds, microwave drying, freeze drying).

Center for Experimental Business Research

The mission of the Center for Experimental Business Research (cEBR) is to promote the use of experimental methods in business research, expand experimental methodology through research and teaching, and apply this methodology to solve practical problems faced by firms, corporations, and governmental agencies.

The Center focuses on three main areas:

- Experimental work concerning the dialogue between experimenters and policymakers. Experiments in this category are motivated by questions raised, for example, by government agencies about the effects of new policies on some markets.
- Experimental work motivated by well-articulated formal theories.
- Experimental work motivated by interesting unexplained business phenomena.

Recent research activities include:

- Bargaining, coordination, and public good provision in experimental markets
- Strategic uncertainty in market entry games with fixed capacity
- Alternative mechanisms for reducing exploitation of uncertain resources
- Value of information in bilateral trading with alternatives
- Experimental investigation of bargaining efficiency improvement
- Sequential search with relative ranks

cEBR web page address: <http://cebr.ust.hk/>

Center for Medical Diagnostic Technology

The Center for Medical Diagnostic Technology, formally established in February 1998, serves as the nucleus of interdisciplinary research in medical technology with the School of Engineering and the School of Science at HKUST. It aims to promote interaction between research groups in the two Schools and to encourage the transfer of knowledge and product ideas to industry for development of innovative medical devices. Part of the major equipment of the Center are open to support the local scientists and engineers for the fundamental and applied research in the medical diagnostics.

Key Areas of Investigation:

- Medical Imaging: Development of non-invasive technology for diagnosis of diseased soft tissue based on optical and ultrasound imaging.
- Medical Electronics: Development of signal acquisition and processing strategies for cost effective and portable medical instruments.
- Biosensors: Development of electrochemical and optical sensors for rapid measurement of biochemicals in body fluids and detection of microorganisms.

Center for Scientific Computation

Scientific Computation has grown over the past decades to become an important new approach to studying science and technology, adding to the traditional experimental and theoretical approach. It uses large scale computation to solve complex problems in science and technology. The Center is dedicated to the development and innovation of computational algorithms that are reliable, accurate and efficient, with attention to their applications. There are 32 participating faculty members from 10 academic departments. Current research programs include computational fluid dynamics, computational logistics, computational finance, parallel computation, numerical weather prediction, simulation of complex systems, and software development.

Center for Wireless Information Technology

Wireless information technology is undoubtedly the technology of the future. It is essential for Hong Kong tertiary institutions to play a leadership role in this area of applied research and lay the foundation for future technological advancement. To meet this challenge the Center for Wireless Information Technology (CenWIT) was set up in September 1997 at HKUST. The mission of CenWIT is to establish a center for wireless information technology which:

- Performs high caliber research and development;
- Offers excellent training and education for undergraduate and graduate students;
- Provides technology transfer and consultant services for industry and government; and
- Addresses unique issues confronting the Asia Pacific region and China.

CenWIT is currently funded by several sources spanning government, industry and also HKUST. It relies on facilities in the Department of Electrical and Electronic Engineering, including the wireless communications, DSP and communication, and the video technology laboratories. One of the short term objectives of CenWIT is to begin an industrial consortium in the Wireless Information Technology area. Matching funds to support industrial projects are also available.

Hainan Center

The Center has been established to use Hainan Province in China as a base for academic work and applied research and development, in order to strengthen these areas of activity at the University, contribute to the economic development of Hong Kong and its region, and enhance Hong Kong's involvement in the development of Hainan. Its objectives are:

- to obtain a profound understanding of the natural, social, technological, and economic conditions and prospects of Hainan; and
- to undertake applied research and executive education in: agriculture and mariculture, environmental studies, economics and management, and other fields.

The Center, originally called an Institute, was established in January 1994. A joint laboratory in Sanya has been set up. Projects being initiated include applications of biotechnology in mariculture, introduction of modern agricultural technology, air pollution monitoring, satellite monitoring of the marine environment, executive education for government and business leaders, and joint organization of international conferences.

Hang Lung Center for Organizational Research

Hang Lung Center for Organizational Research is committed to promote a better understanding of organizations and management issues in Chinese cultural settings. The Center is an effort to link the department's emphasis on rigorous academic research to readily apparent needs of business and other organizations in the region. By bringing business executives and management scholars together for the joint exploration of critical organizational issues, we hope to make an important contribution to the economic development of Greater China which includes Hong Kong, Chinese Mainland and Taiwan.

The mission of the Center is to improve the practice of management in Chinese and multinational firms doing business in Greater China (e.g. Chinese Mainland, Hong Kong and Taiwan), and Chinese companies doing business globally, by conducting rigorous research and engaging in exchanges among network of business leaders and university scholars. Our vision is to be the world's center of excellence for knowledge on China-related organizational and management practices.

Molecular Neuroscience Center

Neuroscience, the study of the brain, constitutes one of the leading areas of scientific investigation currently at the forefront of modern biomedical research. The field of neuroscience encompasses many scientific disciplines dealing with the structure, development, regeneration, function, chemistry, pharmacology and pathology of the nervous system. One of the field's major areas of scientific investigation relates to the unraveling of the processes involved in neurodegenerative diseases. By understanding the mechanisms involved in the progression of these diseases and other neuropathologies, scientists hope to identify novel molecular targets useful for the development of novel and effective therapies.

Established in 1999, the Molecular Neuroscience Center (MNC) has the mission to obtain international recognition as a center of excellence for its scientific contributions to the field of molecular neuroscience relating to the areas of: (i) brain function, (ii) brain diseases, and (iii) neuro-drug discovery. By establishing basic research collaborations among its team scientists, as well as with other leading international neuroscientists, the Center aims to provide a vehicle for strong scientific exchange and ultimately to attract new pharmaceutical ventures to Hong Kong.

The research activities of the MNC are being directed at the use of molecular biological approaches to investigate various neuronal processes including: (i) neuronal differentiation and cell cycle regulation, (ii) synapse development and regeneration, (iii) cellular signal transduction in neurons, (iv) neurodegenerative diseases, and (v) learning and memory. The Center also investigates the structure-function relationships of neuroproteins that are found to play critical roles in these neurobiological processes. Furthermore, the MNC scientists are developing strategies for screening and/or designing potential neuro-drug candidates.

Currently, the Center is comprised of multidisciplinary group of faculty from the Departments of Biochemistry, Biology, Chemical Engineering, Chemistry, Electrical and Electronic Engineering, Mathematics, Mechanical Engineering, and Physics.

Shui On Center for China Business and Management

The Shui On Center for China Business and Management has been established by the School of Business and Management (SBM) of the Hong Kong University of Science and Technology (HKUST) with the sponsorship of Shui On Holdings Limited. The Center aims to promote and sustain management development programs, industry forums, research, and academic-business collaborative projects related to China business and management. The ultimate goal is to advance our knowledge and understanding of China business and nurture top caliber China business managers and entrepreneurs with business interests in China.

South China Research Center

The South China Research Center was established in 1997 to serve as the nodal center for scholars and institutions in South China studies to exchange findings, share archival and folk documents, hold conferences and organize field research in South China.

The Center collaborates with specialists in South China studies to collect source materials that are not available in libraries or archives, to publish research aids, and to organize workshops and field-site visits. Its newsletter, published quarterly and on the World Wide Web Home Page, promote intellectual dialogues and exchanges.

The Center provides a research environment and training programs for undergraduate and postgraduate students. It also acts as a resource center for teachers, students and the public to explore the teaching and learning of the history, culture and society of Hong Kong and South China.

Drug Delivery Technology Center

Drug-delivery technologies enhance the effectiveness of proven drugs by conferring on these drugs a controlled and/or targeted mode of delivery to organs and tissues. For the pharmaceutical industry, the enhancement not only provides an important means to achieve additional value for many drugs, but also decides the worthiness of some drugs. Among the most important drug delivery systems are those directed to accomplish slow release of oral drugs, drug delivery through the lungs, and tissue-targeted drug delivery. The Drug Delivery Technology Center at HKUST is directed to these types of therapeutic delivery systems. By introducing advanced drug-delivery manufacturing techniques to Hong Kong through the organization of workshops on these technologies, as well as research and development of novel delivery techniques, this Center is helping to ensure the availability of state-of-the-art enabling technology for the manufacture of drug-delivery products to the growing bio-pharmaceutical industry in Hong Kong.

Traditional Chinese Medicine Safety Information Center

The Traditional Chinese Medicine Safety Information Center (TCMSIC) is established in 1996 in the Department of Chemistry with funding sponsored by the Hong Kong Government Industry Department. It is now an affiliation of the Biotechnology Research Institute. TCMSIC provides technical support to the manufacturers and merchants of the traditional Chinese medicine sector including literature survey, toxicity testing and standardization of TCM products.

The literature survey gives a comprehensive search of available literature in the chemistry, pharmacology and safety of TCM as well as regulation documents governing the manufacturing and marketing of these substances internationally. Toxicity testing covers the analyses of contaminants such as heavy metals, pesticides, adulterated steroids, aflatoxin and microorganisms.

TCM standardization utilizes advanced instruments to measure major TCM ingredients deemed essential for implementation of quality products. The laboratory is equipped with a Finnigan LCQ LC-Mass Spectrometer, a HP Gas Chromatography, a HP High Performance Liquid Chromatography, a Capillary Electrophoresis unit, an ISCO CombiFlash Separation System and an ISCO Supercritical Fluid Extraction System.

Advanced Cement-Based Building Products Cooperative Research Center

This Cooperative Research Center (CRC) has been established to develop innovative cement-based building products such as functional building components and the light-weight, heat resistant, and acoustically insulating wall panels. One major objective of the CRC is to build up a close relationship with local industries through exchanging the expertise of the Center (new products development) with the experience of the industry partners (matured management and manufacture mode). Under such a close cooperation, the products developed in this CRC will be very practical and ready for mass production. Thus, the results of this CRC will be of significant benefit both to Hong Kong generally and to the building industries in particular.

Postgraduate research assistantships are offered through the funds of the Center. The research assistants will be trained not only with academic merits but also industrial experiences.

Advanced Electronic Packaging and Assembly Cooperative Research Center

The Advanced Electronic Packaging and Assembly Cooperative Research Center (AEPACK CRC) is supported by the Research Grant Council (RGC) CRC Program and matched by industrial funds. The objective of the Center is to develop advanced electronic packaging and assembly (EPACK) technologies that benefit Hong Kong electronic industries. The current focus of the Center is to develop low-cost flip-chip on board (FCOB) technology for single and multi-chip modules (MCM). FCOB technology enables electronic manufacturers to make consumer products, such as wireless handset and personal digital assistant, with faster speeds and higher frequency using reduced dimensions.

ATM/IP Telephony Solution Cooperative Research Center

In the future, communications network infrastructure will have to support diverse services. Two technologies, namely Asynchronous Transfer Mode (ATM) and the Internet Protocol (IP), hold potential promise. The ATM/IP Telephony Solution Cooperative Research Center aims to conduct timely research and prototyping with industry participation on the support of voice/telephone communications over ATM and IP. The major objectives of the Center are two-fold: (i) to develop a step-by-step voice-over ATM and IP solution, which can provide service quality by taking advantage of their respective unique strengths; (ii) to create a prototype based on the proposed techniques in partnership with industry. In addition, technology transfer will be considered as the project progresses.

This project is a multidisciplinary one. Our team consists of five professors from the Departments of Electrical and Electronic Engineering and Computer Science of HKUST, and a few engineers from Thinker Communications Technology (HK) Co Ltd.

Automation Technology Cooperative Research Center

The Automation Technology Cooperative Research Center is dedicated to research and development of technologies for manufacturing and industrial automation. Its goal is to become an internationally reputed center encompassing basic research on fundamental theory of automation systems, development of new technologies and products for industrial automation, and the promotion of applications of new technologies for manufacturing industries in the region.

Center for Display Research

The Center for Display Research (CDR) was established by the Hong Kong Government Industry Department at HKUST in August of 1994. The goal of CDR is to provide basic research support for the local Liquid Crystal Display (LCD) industry. So far, funding support of CDR has reached HK\$30 million. Most of the funding was used to establish a unique LCD laboratory with active matrix fabrication capabilities. CDR concentrates on many areas of display research such as thin-film-transistor materials and devices, circuit design, new display schemes, optical-system design, microfabrication technology, liquid-crystal material development, and chip-on-glass packaging technology. Many faculty members from the Departments of Electrical and Electronic Engineering, Physics and Chemistry are involved in CDR. They have collectively published over 200 journal papers and applied for 15 US patents during the past 3 years. Several technologies have been transferred successfully to local industry.

Construction Research Center

The growth boom in Hong Kong and most of Asia is supported by the construction sector. The Construction Research Center is established with the following objectives: firstly, to develop technically sound innovative design and construction methods that will reduce time and cost of construction without sacrificing quality and safety, and secondly to stimulate University and industry collaboration and accelerate technology transfer with a three-way co-operation between University, government and industry in construction research project. The Center expects to generate gradual industrial support to become financially self-sufficient in the near future. Phase I of the Center is focused on the Geotechnical Centrifuge Modeling. Strategies include: (i) a start-up project, (ii) setting up a research consortium, and (iii) the establishment of a training scheme for graduate students and young practitioners.

Cyberspace Center

The Cyberspace Center was established in March 1996 with a grant from the Hong Kong Government Industry Department. The Center aims to help local industries and businesses to make effective use of the Internet in improving their competitiveness in the world market. To support this goal, the Center provides services in terms of promotion and training, and participates in research and development with the objective of transferring the technology to local industry.

Services include conducting seminars and workshops, developing handbooks, and maintaining a website on various current Internet technologies such as network security, e-commerce and intranet.

Our current projects include smart card over the Internet for authentication, business transactions (e-commerce) and access control, mobile e-commerce, Chinese web technologies, network security and web performance.

Multimedia Technology Research Center

Multimedia-based information technology is now considered to be an integral part of our daily lives, and its essential role in the success of industrial and commercial business is well recognized. MTrec was founded as a technology unit under the Engineering Industrial Consortium (EIC) with an aim to carry out state-of-the-art research and to enhance university-industry collaboration. Supported through research funding provided by Hong Kong Industry Department, Research Grants Council, and various local and international companies, the center is equipped with state-of-the-art facilities that are on par with those of leading universities around the world.

The research group comprises more than 10 faculty members, 10 full-time engineers and support staff, as well as more than 20 graduate students. The center is launching a research initiative with an emphasis on audio/video processing and communication for multimedia applications that will bring unprecedented power and versatility in information technology in Hong Kong and the region during the 21st century. Various projects for content creation, compression, storage, transmission, retrieval, and interaction of multimedia information using H.263, MPEG-2, and MPEG-4 technologies are now active. The center is working closely with local and international companies for collaboration and technology transfer.

Optical Fiber Lighting Cables Cooperative Research Center

The use of optical fiber lighting cables (OFLC) as lighting systems is a relatively new lighting concept. The cables can have light emission in both end-glow and side-glow. OFLCs are widely used as lightguides in automotive applications such as monitoring lamps and illuminating keyholes. This kind of lighting system offers several advantages over conventional ones. It does not involve electricity, and it generates no heat or ultra-violet light and is waterproof. In this Center, we develop monomers, initiators, and polymerization process that produce a low-loss core polymer. The relationships between the physical properties (e.g. special transmission characteristic) of the plastic optical fibers, the processing conditions, the reactivity and the compositions of the monomers, and radical initiators are determined. A specially designed plastic optical fibre light transmission testing equipment was installed in March 1999.

Applied Technology Center

One of the objectives of the University is to assist in economic and social development of Hong Kong. Too often, there is a gap between the results of academic research and an opportunity that industry recognizes, accepts and can use for commercial benefit.

The Applied Technology Center is established to facilitate the process by which technology is transferred across the interface between University and industry. The staff of the Center provide project management and technical skills and draw upon both the human and physical resources of the University and funding opportunities to develop and add value to the results of research that have commercial potential for Hong Kong. Technology will be transferred both to enhance existing businesses and to assist new start-up companies.

Central Research Facilities

Advanced Engineering Materials Facility

Established in 1994, the Advanced Engineering Materials Facility is a multi-disciplinary central research facility located at Hong Kong University of Science and Technology. Its mission is to provide state-of-the-art research equipment and technical expertise for HKUST as well as Hong Kong industries to develop advanced engineering materials technology and their applications. Research areas of the Facility include processing, microstructural design and new materials development, non-destructive testing and failure analysis, applied mechanics and testing methodology.

The Facility engages in the training of graduate students and researchers in advanced materials technology, and in international exchanges. It also organizes seminars, workshops and conferences to disseminate knowledge of recent developments in the latest materials technology to the industry.

Animal Care Facility

Animal Care Facility (ACF) is located on the seventh floor of the Laboratory Wing occupying a total area of about 600 square meters. It is a facility for breeding conventionally reared laboratory animals and holding of these animals for experiments. The air-conditioned Facility contains ten animal holding rooms, an operation theater, a quarantine room, a nude mice room, a procedure room, a cage washing room, a bedding dispensing room and a diet store. ACF provides professional and humane handling of animals selected for biomedical research activities at HKUST. The animals held in ACF are receiving the highest standard of health care and compassionate treatment, and all the experimental protocols on animals are approved by the Animal Care Advisory Committee of the University. ACF supplies and maintains several common strains of mice, rats, rabbits, chicks and piglets. ACF's technical staff are well trained and they are prepared to provide support and advice to researchers on their animal experiments including surgery, drug administration, antigen immunization and antibody production.

CLP Power Wind/Wave Tunnel Facility

The Wind/Wave Tunnel Facility was established with a substantial donation from CLP Power Hong Kong Limited. The Facility will be operational in late 1999. Its mission is to provide a physical modeling capability to Hong Kong for designing tall buildings, bridges and other civil engineering structures against wind induced vibrations; prediction of air pollutant dispersion in complex terrains and studies of wind/wave effects on off-shore structures.

The tunnel consists of two main sections: high speed and low speed sections. The high speed section will be used for wind engineering work. The maximum wind speed attainable is 25 m/s. The dimensions of the test section are 29.2m x 3m x 2m (length x height x width) with computer controlled turntable and roughness elements. The low speed section is to be used for atmospheric dispersion studies and bridge model tests. The dimensions are 41m x 5m x 4m. The lowest steady wind speed attainable is less than 1 m/s. By raising the tunnel floor of the low speed section, the tunnel is converted to a wind-wave facility. The water tank has the same length and width as the low speed section while the water depth is 3m. Wave makers will be installed. An up-to-date array of flow velocity, pressure, force, concentration and wave measurement equipment are available. With a long test section the behavior of a neutral atmospheric boundary layer wind can be accurately simulated.

The Facility will also be used to train undergraduate and postgraduate students for use of physical modeling techniques in the field of wind, environmental and off-shore engineering. Fundamental research on generic (as opposed to site specific) problems in the above areas will also be engaged by faculty and PG students. Workshops and seminars will be organized to train practicing engineers in using physical modeling to assist their planning and development of infrastructures.

Computer Aided Design and Manufacturing Facility

The Computer Aided Design and Manufacturing Facility (CAD/CAM Facility) is a central facility to support research and teaching related areas.

It focuses on multidisciplinary and application-oriented research programs that will create impact on the design and manufacturing industries in Hong Kong and the neighboring region. The Facility provides stimulus for collaboration and interaction between HKUST, local industries and international bodies.

The Facility maintains a range of state-of-the-art equipment to promote research in the area of design and manufacturing. These include measurement equipment such as Co-ordinate Measuring Machine (CMM) and three-dimensional laser scanning system. The Facility has a number of Computer Numerical Control (CNC) machines, rapid prototyping machine, robots and state-of-the-art computer-aided design systems for providing a platform for CAD/CAM integration. It has a strong capability in Computer-Aided-Engineering with a full range of analysis and simulation softwares. The Facility is also actively moving into the area of electronic packaging and has the basic equipment for BGA and flip-chip prototyping.

Electrical and Mechanical Services Facility

The role of the centrally based Electrical and Mechanical Services Facility (EMSF) is to provide technical expertise and support for the development, maintenance and repair of equipment used in teaching, research and operational activities throughout the University.

EMSF performs repair and maintenance of scientific apparatus, educational equipment, audio/visual equipment and building services related electronic systems. Staff are trained in repairing all common electronic equipment, and selected staff have received specialized training in more sophisticated apparatus. Preventive maintenance programs on some equipment are developed to optimize and extend their lifetime. The unit works closely with the Safety and Environmental Protection Office to provide the necessary engineering to ensure safe operation of equipment within the University. A reporting system for repair and maintenance has been set up under the campus computer network. All requests for service are logged and followed through to completion by appropriate technical staff.

EMSF also fabricates special mechanical parts/items and special-purpose circuits for both teaching and research activities, which are not commonly available in the market. The Mechanical Workshop of EMSF has a number of manual and computer controlled machines for fabricating high precision mechanical parts. The requests for fabrication are arranged on job queue basis. The staff of the unit will interact with the users to arrive at the final design so that their needs can be met.

Geotechnical Centrifuge Facility

The Geotechnical Centrifuge Facility (GCF) is a unique facility in Hong Kong. It is built and established partly through funding by a UGC Central Allocation Grant and partly through funding from the University. Therefore, this Facility is dedicated to serve not only the University but also the geotechnical community at large in Hong Kong.

Centrifuge modeling is a powerful research tool to study geotechnical problems such as rain-induced landslides, consolidation settlement of reclaimed land, pollutant transport in porous media, tunneling, deep excavation, liquefaction, and many other soil-structure interaction problems under both static and dynamic loading conditions.

The geotechnical centrifuge has a rotating arm of approximately 9 meters in diameter, and is capable of creating an elevated gravity field 150 times that of the Earth's gravity. Geotechnical structures are built in model boxes with maximum dimensions of 1.5m x 1.5m on plan, and 1.0m high. The maximum payload capacity of the model package is 400 g-ton. A robotic arm will be installed on the centrifuge to simulate various construction activities in-flight. Moreover, the centrifuge is equipped with a bi-axial (2-D) shaking table so that models can be tested dynamically in-flight to model various seismic events. This 2-D shaking table is a unique feature and it is the only one in the world.

Demands from government departments and the industry (oil companies, major consulting firms, water resources agencies, etc.) are anticipated to take advantage of the newest and the unique geotechnical centrifuge to perform basic and applied research. It is also expected that this Facility will be visited by researchers from all over the world to conduct state-of-the-art research, particularly by those who are interested in earthquake related areas. The Facility is scheduled to be in operation towards the end of 1999.

Glassblowing Facility

The Glassblowing Facility (GBF) is a central facility to provide glassblowing services to all units of the University. The services offered include design, fabrication and repairing of glassware and custom apparatus. In addition, technical advice on the design of special glass apparatus pertaining to research projects is provided by the glassblowers. A good stock of common glassware, glass and quartz tubings and spare-parts, which can be checked out by all users of the University, is maintained at the GBF.

The GBF is equipped with a range of equipment and tools and has a capability for glassblowing at temperature up to 3000°C. These include temperature-programmed annealing ovens, grinding mills, belt finishers, diamond sanders and glassblowing lathes with various types of burners.

Liquid Helium Facility

The Facility is established by the University to provide liquid helium to academics and research units to obtain low temperature environments (4°K and below) that are required for research and/or operation of specialized equipment. The Facility has a state-of-the-art computer controlled helium liquefier module equipped with a built-in automatic purification system and two compressors. It has a total liquefying capacity of 240 litres of liquid helium per day without using liquid nitrogen for pre-cooling (480 litres with pre-cooling). The Facility also operates a helium gas recovery system for retrieving helium boil-off from user's instruments for recycling.

Materials Characterization and Preparation Facility

The Materials Characterization and Preparation Facility (MCPF) is a central facility for the synthesis, study and testing of new materials and materials needed for in-house or collaborative research projects. The Facility constitutes an important resource which houses state-of-the-art instrumentation, organizes workshops and training, and is a focal point for interdisciplinary research. The Facility serves academics in all the science and engineering departments and is also available to external clients from other tertiary institutions, government bodies, and private industry. The MCPF occupies about 4000 square metres of purpose-built laboratories and offers a wide range of sophisticated multidisciplinary equipment needed for in-house and collaborative materials research projects, and for performing materials analysis. Laboratories dedicated to particular facilities and processes are accessible to authorized clients of the MCPF. Tasks requested by occasional users are served by the Facility's own trained staff.

The scope of the facilities in the MCPF is sufficiently broad to meet many of the demands of the still-growing community of staff and postgraduate students. For example, instrumentation is available for various types of thermal, spectroscopic, electrical and magnetic characterization, and for the preparation of materials by sputtering and evaporation. Equipment for microanalysis includes a field emission scanning electron microscope, a dedicated high-resolution transmission electron microscope, atomic force microscope, magnetic force microscope, imaging SIMS systems for surface and depth profiling analysis, and a multitechnique surface analysis system (XPS, Auger, SIMS, etc.). These are supported by more standard types of electron-beam analytical instrumentation. The Facility makes such equipment available to other tertiary institutions and local industries either by offering analytical and failure analysis services at prescribed cost or, where appropriate, through collaborative research projects.

Microelectronics Fabrication Facility

The Microelectronics Fabrication Facility (MFF) is the first microfabrication laboratory established at a tertiary institution in Hong Kong. The mission of the MFF is to provide facilities for faculty and students of the University to conduct teaching and research, particularly in new discrete semiconductor devices, novel microsensors and microactuators, advanced microelectronics process technology and application specific integrated circuits (ASIC). The aim of the Facility is to stimulate interdisciplinary collaborations within the University in the area of microelectronics fabrication and to develop joint research projects with institutions local and overseas.

The Facility had been planned in two phases. Phase I laboratory provides about 247 square meters with Class 1000 clean room. Since April 1997, the technical capabilities of the MFF has been further upgraded with completion of its Phase II laboratory, which occupies an area of 750 square meters with some sections providing Class 100 environment. A complete 4" silicon wafer processing line has been installed, which provides photolithography, thermal diffusion, thin-film deposition, dry/wet etching, metallization, implantation and mask making service. These also include a E-beam Direct Write System which facilitates sub-quarter-micron patterning and enables nano-structure research. The new laboratory will also provide support to the newly established Center for Display Research. With the additional capabilities and capacity, MFF will extend its service to other tertiary institutions and the private sector through various technical collaborations.

Plant Growth Facility

The Plant Growth Facility provides support for various research project using plants or components derived from plants. It will be used for growing and conditioning of whole plants, tissues or cells in research as well as teaching. The Facility has a greenhouse with a total covered area of 538 square meters and twelve environmental chambers of various sizes.

The greenhouse was specially designed and built to meet the local weather conditions in providing a suitable environment for plant growth. There are five individual compartments of 6.4 x 10 square meters equipped with rolling benches to maximize growing area for potted plants. Each compartment has its own separate control for shading screen, ventilation, lighting and watering systems. In addition, the environmental chambers with sophisticated control and regulation systems will provide a range of plant growth environments to meet the critical requirement of different research projects.

Overall, the Facility will serve areas of research and teaching in plant biotechnology, plant diversity, plant physiology, botany, environmental studies, and ecology.

VII. STUDENT SERVICES

The Student Affairs Office offers a range of services to students for the purpose of promoting the quality of campus life and assisting students in solving problems affecting their studies. Extra-curricular educational activities are also organized with the aim of broadening students' cultural and intellectual outlook as well as enhancing their social and interpersonal skills.

Student Housing

On-campus accommodation is sufficient to meet the needs of all full-time postgraduate students.



Postgraduate students live in the University Apartments which can accommodate up to 756 students. Each apartment comprises 4 single rooms, a sitting room, a kitchenette, and toilet and shower facilities. The apartments are fully furnished and the kitchenettes are equipped with gas stoves, refrigerators and microwave ovens. All bedrooms and living rooms are provided with air-conditioners.

There is also a postgraduate hall of residence with 120 air-conditioned rooms. The rooms are for single occupancy. Common facilities on each floor of the hall include shower and toilet facilities, and a lounge area with an adjoining pantry. There are no cooking facilities. Hall residents may use the central dining facilities on campus.

Laundry facilities are provided in both the Apartments and the hall. There are no facilities in the apartments or hall for married students with or without children.

Student Counseling Service and Career Center

The Student Counseling Service offers assistance in many areas of student interests and concern, such as personal growth, adjustment to campus life, personal problems and study-related issues. It also operates a Career Center which provides students with education, guidance and assistance in job search and career development.

In particular, an electronic newsletter PG Career Link is published monthly to keep students informed about newest developments in postgraduate career education and service. Workshops on creative job search and forums on entrepreneurship are organized regularly for postgraduate students. And the PG Career Guide is distributed annually.

Physical Education and Sports

Developing physical health and fitness is as important as broadening one's mental capacity and horizons. The University expects all students to participate in at least one organized sport or physical education activity during their years at the University. Professional coaches are available to organize and provide instruction in these activities. The University has a good provision of sports facilities. Indoor facilities are fully air-conditioned. A large multi-purpose sports hall with 1,600 square meters of floor space is designed for activities such as badminton, basketball, volleyball, handball and indoor soccer, with other areas set aside for squash, table-tennis, fencing, dance, martial arts, weight training and fitness exercises. Outdoor facilities include a 50-meter swimming pool, an Astro turf soccer pitch, a 400-meter track with 8 lanes, a hard-surface mini-soccer pitch, outdoor basketball courts and tennis courts. Facilities are also available for throwing activities such as discus, javelin and shot-putt, softball and archery.

Student Health Service

The Student Health Service provides out-patient health and dental care for students. Health education workshops and seminars are organized and presented for the benefit of students and staff.

Student Activities

Extra-curricular activities are organized by the Students' Union and student societies associated with academic disciplines, sports, arts and other social interests. Students are encouraged to take part in activities as organizers and/or participants. The Student Affairs Office also organizes extra-curricular activities and programs such as formal dinners, competitive sports, talks and seminars.

Student Amenities



The campus, on a site of great beauty enhanced by landscaping, terraces, and pavilions, has been designed with great emphasis on the quality of life of both resident and non-resident students. Amenities for personal as well as organized student activities are provided. These include facilities for (i) the pursuit of hobbies such as photographic dark rooms and music rooms, (ii) the organization of activities such as conference room, meeting rooms, workshop and office space, and (iii) leisure activities for students such as common rooms and quiet room. Catering facilities include self-service cafeterias, Chinese and Western restaurants, a food court, a coffee shop and a snack shop. Commercial facilities include a bookstore, banking services, a supermarket and a hair salon.

VIII. ADDITIONAL INFORMATION

Academic Year 2000-2001

The academic year of the University begins on 1 September and ends on 31 August of the following year. It includes two semesters and two sessions. Normally, the Fall Semester commences in early September and the Spring Semester begins around early February. Each semester has fourteen weeks for scheduled classes. Immediately following the end of the 14th week there is a short study break followed by a week devoted to examinations. There is a one-week break in the Spring Semester around Easter. The Winter Session is scheduled between the two semesters for special academic programs, research symposia, and other activities. The Summer Session bridges the end of the Spring Semester and the beginning of the following Fall Semester. For most students, attendance for the Winter and Summer sessions is not required.

Provisional dates for the 2000-2001 academic year are:

Fall Semester	4 September 2000 - 23 December 2000
Winter Session	2 - 31 January 2001
Spring Semester	1 February 2001 - 30 May 2001
Summer Session	4 June 2001 - 11 August 2001
Study breaks	11 - 13 December 2000 and 16 - 19 May 2001

Academic Calendar for 2000-2001

Detailed information about the University will be contained in the Academic Calendar for 2000-2001 which will be published in Summer of 2000. Each newly-registered student will be provided with a free copy of the Calendar.

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Hints for transportation from airport to HKUST:
 For passengers with bulky luggage, taking a taxi to HKUST direct is recommended.
 Those with simple luggage may take Airport Bus A22 to Lam Tin, and change for Bus 298 or taxi to HKUST.

CAMPUS MAP

THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

