

行政院及各所屬機關出國報告

(出國類別：考察)

出訪泰國亞洲理工學院〈Asian Institute of Technology〉、新加坡南洋理工大學〈Nanyang Technological University〉和國立新加坡大學〈National University of Singapore〉、菲律賓賓大學〈University of the Philippines〉、亞洲管理學院〈Asian Institute of Management〉暨泰國、新加坡與菲律賓台商基地

服務機關：國立高雄大學

出國人：王仁宏校長、

李博志主任〈亞太工商管理學系〉

出國地點：泰國，新加坡，菲律賓

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出訪泰國亞洲理工學院、新加坡南洋理工大學和國立新加坡大學

主辦機關:

國立高雄大學

聯絡人/電話:

/

出國人員:

王仁宏 國立高雄大學 校長
李博志 國立高雄大學 亞太工商管理學系 主任

出國類別: 考察

出國地區: 菲律賓 新加坡 泰國

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關鍵詞: 王仁宏,李博志,泰國,新加坡,菲律賓,台商

內容摘要: 國立高雄大學王仁宏校長和亞太工商管理學系李博志主任於民國九十二年十二月七日至十四日，出訪泰國、新加坡和菲律賓著名學府考察管理教育和學術交流並和當地台商商討建教合作事宜。此行參訪的學校包括：泰國中華國際學校，中華會館之中華語文學校，亞洲理工學院，南洋理工大學，國立新加坡大學，菲律賓大學，亞洲管理學院；參訪台商組織及基地包括：泰國台商總會，新加坡台北工商協會，菲律賓台商總會，和蘇比克灣台商協會。參訪的五所東南亞大學原則上都同意交換教授及交換學生，共同研究計畫等學術交流活動。與東南亞大學共同執行雙學位授予制度或彼此承認學分或允抵免學分，目前還有一些困難存在，不過各校的反應是肯定的，只是有待討論細節，至於互訪授課，雙方認為必要可行。至於要擴大招收海外華裔子弟以華僑身分返台升學，目前規定須在國外居住滿八年的規定要修改。國立高雄大學亞太工商管理學系學生利用寒暑假到東南亞台商基地實習一事必須要周詳規劃，建立一個永續性的實習制度。與台商合作目前幾個比較可行的方案是舉辦短期專業訓練，由台灣派遣專家學者到東南亞台商基地講授新的管理方法或新的科學技術可以用來幫助台商提高生產力和降低成本。

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摘 要

國立高雄大學王仁宏校長和亞太工商管理學系李博志主任於民國九十二年十二月七日至十四日，出訪泰國、新加坡和菲律賓著名學府考察管理教育和學術交流並和當地台商商討建教合作事宜。

此行參訪的學校包括：泰國中華國際學校，中華會館之中華語文學校，亞洲理工學院，南洋理工大學，國立新加坡大學，菲律賓大學，亞洲管理學院；參訪台商組織及基地包括：泰國台商總會，新加坡台北工商協會，菲律賓台商總會，和蘇比克灣台商協會。

參訪的五所東南亞大學原則上都同意交換教授及交換學生，共同研究計畫等學術交流活動。與東南亞大學共同執行雙學位授予制度或彼此承認學分或允抵免學分，目前還有一些困難存在，不過各校的反應是肯定的，只是有待討論細節，至於互訪授課，雙方認為必要可行。

至於要擴大招收海外華裔子弟以華僑身分返台升學，目前規定須在國外居住滿八年的規定要修改。國立高雄大學亞太工商管理學系學生利用寒暑假到東南亞台商基地實習一事必須要周詳規劃，建立一個永續性的實習制度。

與台商合作目前幾個比較可行的方案是舉辦短期專業訓練，由台灣派遣專家學者到東南亞台商基地講授新的管理方法或新的科學技術可以用來幫助台商提高生產力和降低成本。

出國報告

民國九十二年十二月七日至十四日出訪泰國亞洲理工學院〈Asian Institute of Technology〉、新加坡南洋理工大學〈Nanyang Technological University〉和國立新加坡大學〈National University of Singapore〉、菲律賓大學〈University of the Philippines〉、亞洲管理學院〈Asian Institute of Management〉暨泰國、新加坡與菲律賓台商基地。

壹、目的

成立亞太事務學院是國立高雄大學於民國八十九年設校的一大特色。亞太事務學院的設立係支援政府推動台灣成為亞太營運中心，特別是要培育亞太地區產業所需之人才，尤協助台灣傳統產業外移前往東南亞地區與大陸投資，並解決台商在投資當地國因對人文、地理不瞭解所引發的經營管理困境。除培育人才，支援台商在投資當地國的發展之外，同時也規劃如何訓練台商派遣前來台灣留學的當地優秀管理及技術人才，在訓練之後派回投資當地國，以因應台灣在該地區的繼續發展。

目前亞太事務學院已成立亞太工商管理學系，該系已有三年級學生，全系學生共計 181 位。系裡並設立二年制在職專班，學生已有一年級共 32 位。此外，本系與金融管理學系、資訊管理學系、和應用

經濟學系合辦經濟管理研究所，訂今年三月招收研究生。同時，本系也正積極籌辦本系的 MBA program 和東南亞社會暨經濟研究所碩士班，希望能在兩年內正式招收研究生。

爲了借鏡東南亞地區著名大學在工商管理方面有關課程設計，教學，和建教合作的經驗，同時參訪台商在東南亞地區投資的基地，了解他們對管理人才的需求狀況，以及能接受亞太工商管理學系學生在暑期及寒假期間前往台商工廠實習，王仁宏校長和亞太工商管理學系李博志主任於民國 92 年 12 月 7 至 14 日，出訪泰國、新加坡和菲律賓著名學府考察管理教育和學術交流，並和當地台商商討建教合作事宜。此行參訪的學校，包括：泰國中華國際學校(Thai-Chinese International School)、中華會館之中華語文學校、亞洲理工學院(Asian Institute of Technology)、南洋理工大學(Nanyang Technological University)、國立新加坡大學(National University of Singapore)、菲律賓大學(University of the Philippines)、亞洲管理學院(Asian Institute of Management)；參訪台商組織及基地包括：泰國：泰國台商總會(Thai-Taiwan Business Association)、新加坡：新加坡台北工商協會(Taipei Business Association in Singapore)、菲律賓：菲律賓台商總會(Taiwan Association Philippines Inc.)、蘇比克灣台商協會(Taiwan Business Association in Subic Bay)。

貳、過程

一、泰國

(一)、海外招生宣導--中華國際學校

最近召開的全國教育會議要擴大招收海外華裔子弟返台升學，從現在到 2008 年，僑生來台留學希望每年有 5%的增長。國立高雄大學設有亞太工商管理學系，其學生來源依設校規劃書可以有三分之一是僑生。因此，王仁宏校長率領由國立高雄大學、國立中山大學、和私立中原大學所組成的宣導團在十二月八日上午參訪位於曼谷的泰國中華國際學校（Thai-Chinese International School），宣導台灣的公私立大學，鼓勵該校高中畢業生來台上大學。

泰國中華國際學校由熱心教育的台灣事業家及中華民國政府經費補助，創立於 1995 年，是一所非營利的私立學校，為旅居泰國的華裔子弟及台灣子弟、泰籍學生及其他國籍學生就讀該校幼稚園到高中之中文課程、美式課程及泰文課程。目前全校教職員工有 133 位，其中行政主管人員 5 位，英語教師 56 位，中文教師 17 位，泰文教師 5 位，助教 14 位，職員 20 位，工友 16 位，全校現有 35 班，幼稚園 5 班，小學部 18 班，中學部 5 班，高中部 4 班，英文加強班 2 班；全校學生共 642 位，其中幼稚園 103 位，小學部 351 位，中學部 100 位，高中部 75 位，英文加強班 13 位。

該校的教育目標是培養學生成為周密的思維者、合群的工作者、有效率的工作者、獨立終生學習者及為世界負責的參與者。因此除了注重學業、體能、情感、毅力和社會人文之全人健全發展外，為迎接未來世界之挑戰，教育該校子弟成為世界公民，是今後努力的目標。國立高雄大學的王仁宏校長、莊寶鵬學務長、李博志主任、高聖惕副教授、私立中原大學胡為善院長和國立中山大學朱柔若主任一起給該校高中應屆畢業生和家長分別介紹國立高雄大學、私立中原大學和國立中山大學招收海外僑生的規則和教學方式。

一般來說，僑生的數理基礎和中文程度較差，所以有多位學生擔心他們來台灣上大學會趕不上，怕被退學或無法完成學業。王仁宏校長提到學校都會認真輔導僑生克服學習的困難，希望他們要有信心前來台灣留學。

另外有家長反應，居住國外未滿 8 年的中華民國國籍的學生如果想回台灣唸書，因依台灣新規定不具僑生資格，是不是可以用留學美國用的 SAT 和 TOEFL 成績來申請入學？王仁宏校長回答說教育部目前正在修訂居住國外滿 8 年才具僑生身份的規定。時間可能縮短成 6 年或短些，至於成績審查標準目前也正在改變中。

參訪泰國中華國際學校時，由該校董事會周幼蘭董事長和蔡維昆校長等人接待。

(二)、亞洲理工學院 (Asian Institute of Technology)

亞洲理工學院創立於 1959 年，位於曼谷市北端，它是一所專門提供碩士和博士學位的區域多元文化的大學。過去 45 年來，它已授給研究所學位給來自 72 個國家總共 12,500 多位的學生，其中有 841 位學生是來自台灣。

亞洲理工學院目前有四個學院和一個沒有學位的推廣教育中心，這四個學院包括先進技術學院 (School of Advanced Technologies)、土木學院 (School of Civil Engineering)、環境資源與開發學院 (School of Environment Resources and Development) 和管理學院 (School of Management)。學生總人數是 1,846 位，其中來自台灣只有 2 位，其餘來自 49 個國家。

十二月八日下午由國立高雄大學王仁宏校長率領本校學務長莊寶鵬教授、亞太工商管理學系主任李博志教授、私立中原大學商學院院長胡為善教授及國立中山大學澳洲研究中心主任朱柔若教授及學務處羅俐小姐等人參訪亞洲理工學院。該校校長 Jean-Louis Armand 博士由於在校外開會由教務長 Mario T. Tabucanon 博士和財務長 Gothom Arga 博士等人歡迎王仁宏校長一行。Tabucanon 博士首先簡報亞洲理工學院組織狀況。該校課程取向為「問題導向」及「研究」。學生大部份住校。招生政策沒有意識型態歧視與限制。

王仁宏校長簡介國立高雄大學，設立國立高雄大學是在配合政府政策，支援台灣第二科技走廊所需專才，希望提昇台灣產業的科技水準。亞太事務學院是國立高雄大學的特色，可招收外籍生、僑生及本地生各三分之一。王仁宏校長希望亞洲理工學院的教授能夠來國立高雄大學講學，或從事研究合作。在雙方簡報結束之後。Armand 校長趕回亞洲理工學院，引導王仁宏校長一行參觀圖書館及重要設施。Armand 校長很有誠意與國立高雄大學建立學術合作關係，他建議選擇一些重要項目先進行合作，亞洲理工學院與台灣有豐富的合作經驗。參訪完後合照留念。

十二月九日上午王仁宏校長一行前訪設在泰國中華會館的中華語文中心，了解該中心培育中文人才的情況，該中心負責人張立明校長是前任立法委員，解說教學方法，以及師資來源和教材編排。接著王仁宏校長一行拜訪一位在泰國政府具有相當影響力的華裔泰人 Jack Min Intante（華名叫胡敏俊）。胡先生是一位大商人，曾和台灣宏碁電腦合資在泰國生產電腦，目前是泰國政府內閣的顧問，他有意願和台灣合作。王校長希望胡敏俊先生能介紹一些泰國大學與台灣對方從事學術合作。中午王仁宏校長一行拜會我國駐泰國台北經濟文化辦事處，由鄭博久代表接見，辦事處劉宜民副代表，僑務組許振榮組長，和周志堅秘書都參與面談。午間由鄭博久代表宴請全體訪問成員。

(三)、參訪泰國台商總會

下午 3 點 25 分，王仁宏校長及李博志主任搭乘新航 SQ973 離開曼谷前往新加坡繼續訪問。有關拜訪泰國台商總會部分，則由莊寶鵬學務長，胡為善院長和朱柔若教授進行。

莊寶鵬學務長，胡為善院長和朱柔若教授在十二月九日下午三點半一起去拜會泰國台商總會，由該會邱文正秘書長接見，邱秘書長簡報該會緣起、成員、會務發展、現況及成果。他強調該會與美國西太平洋（Pacific Western University）簽約，招收企管碩士、博士班及工商管理學士學生，供台商進修管道。

邱秘書長說泰國中華國際學校是海外僑胞有心接受台灣的大學教育者很好的跳板，僑胞回到台灣就學學費較低，非常具有吸引力。

邱秘書長指出，泰國台商對美國西太平洋大學派老師來上課，且可用中文，台商很有興趣，目前台商必須在知識上提升自己，朝向「管理者」的角色轉變。他進一步建議，高雄大學及中原大學教授來泰國演講，以廢水處理、環保工程等為主題，同時可以做學校介紹，如此可激發華僑回台就讀興趣。或者，台灣可以辦夏令營，吸引僑生來台灣參觀校園，培養出僑生回台就讀的誘因。

二、新加坡

(一)、拜會新加坡台北工商協會

王仁宏校長與李博志主任離開曼谷於十二月九日下午七時到達新加坡，住文華飯店，台商龍興船務有限公司柯景淮常董前來接機，隨即在龍珠軒酒樓與新加坡台北工商協會重要成員開座談會，除柯景淮副會長外，該協會王清鎮會長、鍾仕達名譽會長、黃柄綺副會長、朱蘭香秘書長、張嘉、鄧文章、曹天王、張嘉昇等會員參加。第一銀行新加坡分行吳和利經理，駐新加坡台北代表處經濟組曾寶郎秘書也參與座談。國立高雄大學王仁宏校長和亞太工商管理學系李博志主任出席。王校長首先報告來訪的目的，希望與新加坡南洋理工大學和國立新加大學建立學術合作，相互交換教授與學生，設立雙學聯制或學分承認等計劃。國立高雄大學亞太工商管理學系的學生如果有意願來新加坡實習，該地台商是否能夠支持？

席間，部份台商希望台灣當局能夠修法使台商子弟不必住滿八年就能回台灣就讀大學院校。台商張景嘉非常熱誠，他表示可以接收從台灣來新加坡實習的學生，他樂意幫忙促成台新學術交流。王仁宏校長也表示歡迎台商返台省親時能夠來參訪高雄大學，嚐試高大的運動健康休閒設施，同時，也歡迎台商子弟來國立高雄大學就讀。

(二)、參訪南洋理工大學

南洋理工大學成立於 1982 年，當時叫做南洋理工學院，只有 582 位學生，15 位教師。1991 年七月，南洋理工學院改製成爲南洋理工大學。該校目前的校址是以前南洋大學，南洋大學成立於 1955 年 是一所中國和台灣以外的小型中文大學，但是在 1980 年新加坡政府立法將南洋大學與國立新加坡大學合併，南洋大學名字從此消失，但其校地仍然存在。到 1982 年在南洋大學舊址成立一所新的學院叫南洋理工學院。目前南洋理工大學有 25,000 學生，其中四分之一是研究生，教師 1,800 名，有九個學院，包括土環、電腦、電機與電子、材料、機械、商學、通訊與資訊、生物、和教育等，是亞洲十大理工學院之一。

十二月十日早上九時王仁宏校長和李博志主任一同拜訪南洋科技大學，該校徐冠林校長接見，余明華副校長和商學院陳企業副教授也在座，徐校長原爲新加坡國防科技研究的負責人，故擔任校長後積極推動該校研發工作，他表示如果國立高雄大學有任何學術合作計畫請提出來，該校很有興趣也願意配合。余明華副校長也說他願意促成兩校的合作計劃。余明華副校長剛來台灣參加東南亞大學校長會議（由國立成功大學主辦），對台灣的情況有相當的了解。參訪南洋理工大學之後，隨即去國立新加坡大學。

(三)、參訪國立新加坡大學

國立新加坡大學不僅是新加坡最大、最好的大學，同時也是亞洲最好的一所高等學府，學校佔地 150 公頃，學生總共有 31,500 位，其中 8,500 位是研究生（27%），教師有 2,800 位，行政支援人員 3,000 位。

該校是一所完整的綜合大學，共有 10 個學院，包括人文社會科學、商學、電腦、牙醫、醫科、環保、工程、法學、音樂、和理學等。

新加坡大學的商學院是相當有名氣，尤其是它的 MBA Program 是世界排上名的亞洲高等學府，經由多元師資，課程設計，國際交流與建教合作，新加坡商學院成功的經驗值得台灣的借鏡。

十二月十日上午十點三十分王仁宏校長一行抵達國立新加坡大學，由於校長 Professor Shih Choon Fong 外出不在，副校長 Professor Lawrence Loh 正在上課，所以由國際關係處主任劉亞財教授代表接見並作簡報，商學院院長 Professor Chris Tan 也因公外出，但特別派人交給有關商學院學士、碩士、和博士班的資料給國立高雄大學作參考，日後如有任何建議的合作計劃，可以隨時連絡。另遇見政策研究所陳企業教授，陳教授為中央銀行政策研究部及亞細安經濟研究部主任。王仁宏校長和李博志主任一行於下午五時左右離開新加坡往馬尼拉、菲律賓繼續考察。

三、菲律賓

(一)、參訪菲律賓大學

菲律賓大學創立於 1908 年是菲律賓最大的一所國立大學，目前學生超過四萬人。像美國紐約州立大學系統或加州州立大學系統一樣，菲律賓大學一共有六個分校和一獨立學院，分佈全國各地，各分校依其地理位置分別發展其特性。菲律賓大學總校長稱為 President，而各分校的校長稱為 Chancellor。

六個分校及獨立學院分別為：

UP Diliman：位於之首都奎松市，是菲律賓大學系統裡最有名的分校，以文學、社會科學、工程、商學和法學著名。

UP Manila：以醫學領域為主。

UP Los Banos：以農業、森林、環保著名。

UP Visayas：以漁業和海洋科學著名。

The UP Open University：以遠距教學為主。

UP Mindanao：位於菲國南部回教國，提供一般高等教育。

UP College Baguio：位於菲國北部避暑勝地、碧瑤、對菲國北部居民提供一般高等教育。

十二月十一日早上王仁宏校長和李博志主任來到 University of the Philippines Diliman 拜會 UP System 總校長 Dr. Francisco Nemenzo。會議

中，Dr. Nemenzo 提到菲律賓政府最近將在菲律賓大學校區內的一大片空地建立一個像新竹或台南的高科技園區，主要是給菲大工學院的學生研究進修用。Dr. Nemenzo 希望有些 MA 和 PH.D 學生將來可以去台灣的科學園區做短期實習。

王仁宏校長回答說只要這些學生能懂得一些中文應該可以接受。王校長並說在高雄市楠梓加工區裡有許多菲律賓的技術人員在那邊工作。在那邊實習也可考慮。Dr. Nemenzo 建議當這個高科技研發園區設立之後，台灣可以派人來評估一下，同時菲律賓大學也可以派人去台灣了解台灣情況。

Dr. Nemenzo 說希望他的建議，及菲大的 MA 和 PH.D 學生能夠去台灣訓練，我們能夠轉達給台北駐馬尼拉的代表。

同時，菲國政府在菲大校園內設立科學園區能夠得到台灣的協助。關於與高雄大學合作，只要有計畫，Dr. Nemenzo 說一定會派遣專人來國立高雄大學商談。

Dr. Nemenzo 在 2003 年 10 月中旬曾應邀來台北參加由國立成功大學主辦之東南亞大學校長會議，王仁宏校長和李博志主任都在台北與他見過面，王校長在三年多前參加大陸泉州華僑大學週年慶時即與他認識。所以這次的拜訪會談非常融洽，因為大家早就認識。對於 Dr. Nemenzo 的請求我們都樂意幫忙，在與台北駐馬尼拉代表吳新興

博士的晚宴中，我們已轉達這項建議。

University of the Philippines Diliman 的商學院在亞洲的大學裡也相當有名氣，所以在與 Dr. Nemenzo 會議之後，我們就去拜訪商學院院長 Dr. ERLINDA ECHANIS。

菲大商學院有 1 千多位學生，大學部大約 600 位，研究生 500 多位。Dr. ECHANIS 是位女教授，她的出版論文曾經獲得蔣經國基金會的幫助，她說她很樂意與高雄大學從事學術合作。她送給高大幾本她的專著。會議完後，副校長 Dr. Jose Dalisay Jr. 陪同我們遊覽將近 500 公頃大的菲大校區。

(二)、參訪亞洲管理學院

菲律賓的亞洲管理學院在亞洲地區商學部門是相當出名。它是由一群亞洲具有眼光的學術界和社會人士結合哈佛大學商學院於 1968 年成立。它的目標是在社會經濟轉型之下，提供一個場所以多元文化為主軸，讓來自開發中和已開發國家的公民受教育的機會。

亞洲管理學院提供 5 個碩士學程：

1. 兩年制商學碩士：Master in Business Administration (MBA)
2. 一年制管理碩士：Master in Management (MM)
3. 一年制開發管理碩士：Master in Development Management (MDM)

4. 一年制行政官商學碩士：the Executive MBA (eMBA)

5. 一年制企業創新碩士：Master in Entrepreneurship (ME)

十二月十一日下午王仁宏校長一行由該校校友菲律賓華僑謝銘傳 (Frank Hsieh) 陪同抵達座落於菲律賓商業中心 MAKATI City 的亞洲管理學校。首先拜訪該校 Roberto F. De Ocampo 校長及董事會共同副主席 Dr. Felipe B. Alfonso。De Ocampo 校長曾任菲國國防部長，他贊成亞洲管理學院與高雄大學從事學術交流。他說亞洲管理學院目前也與亞洲、北美洲、和歐洲 20 多個大學從事合作。同時，世界銀行在亞洲的訓練中心已設在該校。委託該校辦理成效斐然。

拜訪 De Ocampo 校長之後，王校長一行繼續拜訪該校商學院院長 Eduardo A. Morató Jr. 教授，商討一些學術交流實質問題。王仁宏校長提出雙學位 (DUAL DEGREE) 的問題。Morató 院長認為在執行上有一點困難，不過可以進一步研究。至於交換教授一事，王校長建議亞洲管理學院先派一人來高雄大學，Morató 院長同意。雙方希望 2004 年能夠開始有一個聯合計畫 (Joint Program)。

(三)、拜訪台北駐菲律賓經濟文化代表處

與亞洲管理學院 Morato 院長會議之後，便去拜訪台北駐菲律賓經濟文化代表處。吳新興代表接見，新聞組施宗仁組長陪同，台商謝

銘傳及謝銘傳兄弟也參與。吳新興代表說菲律賓高中僅 4 年，不是 6 年，這是為什麼台灣不承認菲國學歷。

目前大約有 600 多位台灣的留學生在菲律賓唸書，大部分是學習醫科，牙科和音樂。台灣與菲律賓文化交流有很大的空間。

吳代表鼓勵多一點台商來菲律賓投資，他說菲國人口有 8,000 萬，是一個廣大市場有發展潛力。菲國由於治安不好，所以許多人都_不想來投資。晚間吳代表宴請王仁宏校長、李博志主任、台商謝銘傳、謝銘傳兄弟、代表處新聞組施組長、服務組丁副組長及一位秘書作陪。

(四)、參訪在蘇比克灣 (SUBIC BAY) 的台商

蘇比克灣是以前美國在遠東的最大的海軍基地，大約 10 年前由於租金與菲律賓政府談不攏所以就撤出，菲國政府就把它改成出口加工區，吸取外國投資。目前在該地有台商 30 多家，最大的是台灣日立，宏碁衍生的緯創，和泰安電機等三家。住在蘇比克灣的台商有 300 多人。其他主要投資國是日本、香港、加拿大、澳大利亞和美國等。

十二月十二日早上由台商謝銘傳安排廂型車從 MAKATI 市出發到蘇比克灣參訪當地的台商。除了王校長，李博志夫婦外，還有台商謝銘傳，邱阿賓（來自印尼泗水）和黃清榮夫婦。抵達蘇比克灣自由

港時，由台商謝銘傳聯絡在該地的重要台商舉行座談會。

出席的台商代表是：

吳錦章 副總經理：台安電機〈蘇比克〉股份有限公司

王瑞斌 總經理：緯創電腦菲律賓股份有限公司

丁光雄 廠長：台灣日立〈蘇比克〉股份有限公司

歐武璋 總經理：利明塑膠〈蘇比克〉股份有限公司

會議開始，王仁宏校長首先說明國立高雄大學設校目的，特別指出亞太事務學院除培育台南科學園區，高雄多功能經貿園區所需要人才外，還要支援台商在外投資，培養台商的幹部，解決管理問題，替台商作在職訓練。亞太事務學院的學生到三、四年級時需要到外國實習，台商是否能提供協助等？

另外，國立高雄大學歡迎台商子弟回國就讀，由王仁宏校長講解有關招生事宜，以及國立高雄大學育成中心的功能等事項。

1. 緯創電腦菲律賓股份有限公司

接下來，緯創王瑞斌總經理報告蘇比克灣投資經過。他說在 1995 年，爲了配合台灣政府南向政策，同時神戶大地震也是一個考量，公司想把生產線延長，當初評估結果，認爲菲律賓勞工便宜，加上蘇比克灣是一自由港，所以決定來此設廠，主要產品是桌上型電腦和筆記型電腦。目前公司的出口營業額已有 10 億美元，是菲國前 10 名內，

員工有 2,400 人(今年可增至 2,800 人)。雇用操作的勞工要有二年的大專學歷，職員一定要四年的大學畢業生才可錄用。目前職員有 1,000 人，其中只有 21 位來自台灣主要是在做管理的工作。

王仁宏校長說國立高雄大學可以提供研發方面的支援工作。王瑞斌總經理認為如果台灣的教授要來菲律賓提供觀念的改變，是值得推行。

王仁宏校長提到最近在國立高雄大學舉辦 LCD 訓練班，是由本校支援，行政院勞委會支付費用。

王瑞斌總經理說如果國立高雄大學有學生要來實習，如果他們有溝通的英文能力，他的工廠願意接受。

2. 台灣日立(蘇比克)股份有限公司

台灣日立丁光雄廠長說該公司在 1997 年來蘇比克灣設廠製造冷氣機。來此設廠的主要原因是(1)台灣冷氣機的貨物稅比進口稅還高，所以產品在外國製造然後出口到台灣有利。(2)台灣日立主要是在做外銷，但台灣的工資慢慢在升高，失去競爭力。例如生產冷氣機直接成本，在蘇比克灣一小時僅美金四元，但在台灣要美金六元相差很大，且在菲律賓無工則無薪，每月工作 26 天。

在菲律賓下游產品取得困難，所以在 1997 年，台灣日立帶了 4 家下游廠商一起來，其中一家就是利明塑膠。台灣日立生產冷氣機有

60%是外銷到中東和澳洲，30%內銷台灣，另外 10%內銷菲律賓。目前僱用 170 人，其中工人 110 人，職員 60 位，其中只有 7 位來自台灣。

王端斌總經理認為到非中國地區投資設廠的附加值比較高，同時對職員來講，長期職業（Career）發展到非中國地區也比較好。

利明塑膠公司歐武璋總經理說一般台商在外國投資對台籍職員的需求量很少，所以他本身要具備技術外，還要幫老闆看財產。不過如有學生要來短暫實習，他也可以提供食住問題。當然短暫的實習中，老闆可以挑那些學生畢業後適任可靠。

台灣日立的丁光雄廠長說台籍的職員都是由台灣總公司派來，他本身無人事權，緯創電腦也是同樣情形。職員先在台灣總公司工作，經過一段時間再派出國，可能較好。

(五)、拜訪菲律賓台商總會

十二月十二日從蘇比克灣回到 Makati 市後，王仁宏校長一行拜會菲律賓台商總會、謝世美會長、呂秀男副會長和其他十多位理事一起出席座談會。王仁宏校長首先報告全國教育會議要增加僑生回國升學的目標，並介紹國立高雄大學亞太事務學院接受三分之一僑生的規定，以及本校完善的運動設施，並歡迎菲律賓台商來參訪國立高雄大

學。

座談會中，謝世美會長建議台灣如果要增加僑生回國升學，一定要先鬆綁僑居 8 年的規定。至於菲律賓高中僅四年的學制，王仁宏校長建議僑生回台灣先進入技職體系唸技術學院，然後再轉校進入綜合大學就讀。

謝世美會長又是亞洲台灣商會聯合總會的總會長，他說在東南亞的台商有許多都搬去大陸，單泰國台商就有三分之一移往中國大陸，主要原因是大陸工資便宜，沒罷工、工人素質也不低，同時文化背景又相同。

經過一星期的忙碌參訪東南亞五所大學和三個台商基地後，王仁宏校長李博志主任十二月十三日〈星期六〉休息一天，參觀馬尼拉大都會的建設，並於十二月十四日早上返回台灣，結束考察活動。

參、心得與建議

一、 大學方面

(一)、學術合作 (Academic Cooperation)

參訪的五所大學原則上都同意交換教授、交換學生、共同研究計劃等學術交流活動。要落實這項學術合作，國立高雄大學必須先行規劃，例如如何籌措財源？那一項學術合作優先進行？泰國華僑希望台

灣的教授能分別赴泰國作專題演講或授課，我方則祈外國學校優秀教授能利用休假來亞太事務學院客座授課，甚至用外語上課。

(二)、雙學聯制 (Dual Degree Program)、彼此承認學分或允抵免學分

與東南亞大學共同執行雙學位授予制度或彼此承認學分或允抵免學分，是國立高雄大學努力的方向，但目前還有一些困難存在，原因是用英語授課的科目在台灣仍很少，不過各校的反應是肯定的，只是有待討論細節，至於互訪授課，雙方認為必要可行。

二、 台商方面

(一)、僑生身分與國外居留年限

要擴大招收海外華裔子弟以華僑身分返台升學，目前規定須在國外居住滿八年的規定要修改，在泰國、新加坡及菲律賓與學生家長、台商座談時，一再有人提出，台商甚至認為政府允大陸台商子弟學校的畢業生返台升學，不受八年限制，即歧視東南亞華僑子弟，似乎不該。所以主張可以減為四年或甚至廢除，更何況台灣考取大學的錄取率已達到百分之百，這項八年居住限制已失去原有的意義。

(二)、學生去台商基地實習

台商一般說來是中小企業，透過人情送一、二個學生去那邊實習應該沒問題。但「實習」這個制度必須要永續，不要因人而異，如何建立一個永續性的實習制度是值得思考的一個大問題。基本上比較大型的台商，其人才需求均往當地「本土化」在進行。換句話說，由於成本原因台商都從投資當地雇用所需人才，僅高階管理人員來自台灣。台商甚至建議亞太系學生最好先到台灣母公司實習，之後才派到海外實習或就業。

(三)、短期專業訓練

與台商合作目前一個比較可行的方案是舉辦短期專業訓練，由此放長線釣大魚，誠如泰國和蘇比克灣台商會所建議，台灣有什麼新的管理方法，或新的科學技術可以用來幫助台商提高生產力和降低成本，可以派遣教授來作短期授課指導，台商願意配合招募學生。

這次考察在泰國時中華國際學校周幼蘭董事長不僅提供交通輔助，還親自陪同拜訪；在新加坡，龍興船務有限公司常務董事柯景淮先生提供交通協助和安排座談會，新加坡台北工商協會會長王清鎮暨夫人協助參訪南洋理工大學和國立新加坡大學；在菲律賓，First Solid 水泥公司的謝銘傳先生安排參訪蘇比克灣台商並提供交通協助，在此要特別感謝他們的熱心幫忙，使得這次出國考察能夠圓滿完成。

附

件

一

Introducing AIT



Asian Institute of Technology



A Graduate Institute in Engineering, Advanced Technology & Management

The Asian Institute of Technology (AIT), established in 1959, is a leading and a unique regional multicultural graduate institute. Since its establishment, AIT has become an active partner in the promotion of technological change and sustainable development in the region through higher education, training and research.

Presently AIT consists of four Schools, providing Master's and Doctoral Degrees with its base in the north of Bangkok, Thailand as well as a campus in Hanoi, Vietnam.

Mission

The mission of AIT in the context of the emerging environment is "to develop highly qualified and committed professionals who will play a leading role in the sustainable development of the region and its integration into the global economy."

Vision

AIT will strive to become a leading and unique regional multicultural institution of higher learning, offering state-of-the-art education, research and training in technology, societal development and management.



Breaking New Grounds

Recent Academic, Research and Outreach Initiatives



Flexible Master's Program and Two-Stage Degree Programs with AIT Campus in Vietnam

AIT has introduced the flexible Master's Degree Program as an innovative approach to providing graduate education to students whose professional and work commitments do not allow long periods of continuous absence from their work places.

Two-stage degree programs by the School of Advanced Technologies and the School of Civil Engineering are offered in Hanoi and Ho Chi Minh City with the AIT Campus in Vietnam (AIT-VN). A two-stage program by the School of Environment, Resources and Development was open in January 2003.

Non-Resident Ph.D. Program

The Non-Resident Ph.D. Program is designed for those who want to pursue higher degree but cannot afford to reside on campus or devote full time for their research work. This program provides individuals a unique opportunity for achieving such ambition without having to leave their jobs or the Asian region.

Applicants for the Non-Resident Ph.D. Program are required to be in active contact with the profession either through research or professional practice for a minimum period of three years after receiving the last degree.

Applicants must demonstrate research capability as evidenced by publications and/or other presentations.

In Vietnam, AIT's School of Management (SOM) in collaboration with the Swiss Agency for Development and Cooperation (SDC) offer a Non-Resident Ph.D. Program on Management Development based in Ho Chi Minh City.

Master's Program in Geosystem Exploration and Petroleum Geo-engineering

The School of Civil Engineering (SCE) offers a new Master's Program in Geosystem

Exploration and Petroleum Geo-Engineering, the first of its kind in Asia-Pacific. This program trains specialists in activities related to geosystem exploration and development. It offers geoscience and geotechnical engineering courses for both onshore and offshore exploration and development.

Researches in the field focus on onshore exploration of mineral resources, nearshore reclamation, offshore constructions, petroleum facility development, site investigation and testing, oil tank foundation, and gas pipeline construction.

Master's Program in Information and Communications Technologies

In August 2003, the School of Advanced Technologies will launch a new program called "Information and Communications Technologies (ICT) Program" in response to high market demand for graduates in the overlapping area between Computer Science and Information Management (CSIM) and Telecommunications (TC).

This program will equip CSIM students with courses in TC and TC students with courses from CSIM.

Executive Master's Program in Environmental Technology and Management

The School of Environment, Resources and Development has introduced the Executive Program in Environmental Technology and Management (ENEX Program) to provide continuing education at an advanced level for executive officers from the public and private sectors. The ENEX Program provides practicing professionals with knowledge of latest scientific and technological advances and imparts pragmatic options to tackle emerging environmental issues in Asia.

GMSARN

The Greater Mekong Subregion Academic and Research Network (GMSARN), the first network of its kind in the region, was established by eight leading institutions in the Greater Mekong Subregion (GMS) in January 2001. It aims to build self-reliance among GMS countries by developing a strong service-oriented science and technology presence in the region. AIT is one of the eight GMSARN members and is also its host institution.

By joining this unique alliance of leading institutions in the GMS, AIT reaffirms its commitment to regional cooperation and its support to the development of self-reliance among the GMS countries.



Academic Programs

Students are required to enroll in one of the following programs offered by the Fields of Study (FOS) in each School. A Field of Study may consist of several Areas of Study or Areas of Specialization (AOS).

SCHOOL OF ADVANCED TECHNOLOGIES (SAT)

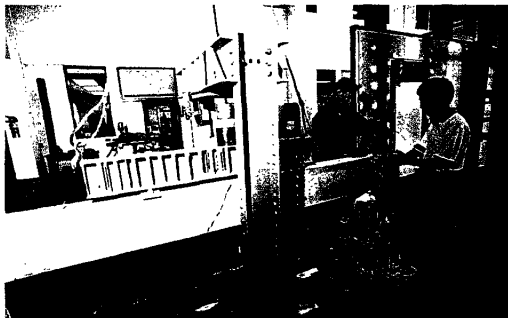
FIELDS OF STUDY

- Computer Science
- Information Management
- Industrial Engineering and Management
- Design and Manufacturing Engineering
- Mechatronics
- Microelectronics
- Remote Sensing and Geographic Information System
- Telecommunications
- Information and Communications Technologies

SCHOOL OF CIVIL ENGINEERING (SCE)

FIELDS OF STUDY

- Construction, Engineering and Infrastructure Management
- Geotechnical and Geoenvironmental Engineering
- Structural Engineering
- Transportation Engineering
- Water Engineering and Management



SCHOOL OF ENVIRONMENT, RESOURCES AND DEVELOPMENT (SERD)

FIELDS OF STUDY

- Agricultural Systems and Engineering
- Aquaculture and Aquatic Resources Management
- Energy
- Environmental Engineering and Management
- Food Engineering and Bioprocess Technology
- Gender and Development Studies
- Natural Resources Management
- Pulp and Paper Technology
- Regional and Rural Development Planning
- Urban Environmental Management

SCHOOL OF MANAGEMENT (SOM)

FIELDS OF STUDY

- International Business
- Management of Technology
- Service Marketing and Technology
- International Public Management

AREAS OF STUDY (INTERDISCIPLINARY PROGRAM)

- Cleaner Production
- Integrated Tropical Coastal Zone Management
- Integrated Watershed Development and Management
- Modeling Tools for Environmental and Resources Management

Laboratory and Research Facilities



SCHOOL OF ENVIRONMENT, RESOURCES AND DEVELOPMENT

- Agricultural Systems and Engineering Lab
- Aquaculture and Aquatic Resources Management Lab
- Bioprocess Technology Lab
- Energy Technology Lab
- Environmental Engineering Lab
- Postharvest and Food Processing Engineering Lab
- Pulp and Paper Technology Lab

SCHOOL OF ADVANCED TECHNOLOGIES

- Computer Science and Information Management (CSIM)
- Mechatronics and Automation Lab
- PC Network/Simulation Lab
- Microelectronics IC Design
- Remote Sensing and GIS
- Computer Integrated Manufacturing Lab
- Metrology Lab
- Telecommunications



SCHOOL OF CIVIL ENGINEERING

- Construction Simulation Lab
- Geotechnical and Geoenvironmental Lab
- Irrigation Lab
- Hydraulics Lab
- Structural Engineering Lab
- Traffic Engineering Lab
- Computer Lab



O Outreach Activities

AIT EXTENSION

AIT Extension is responsible for continuing education and non-degree training activities at AIT. Support services to AIT's students and staff are also provided. Extension's programs and services are designed to fit closely with clients' needs, with professional staff working closely with clients and resource persons in planning, designing and implementing programs. There are four divisions:

- Agriculture, Resources and Development
- Information Technology
- Language Center
- Management and Educational Development

Extension's areas of expertise include agriculture; educational development; environment and natural resources management; information technology; infrastructure development and management; languages; management development; public governance, and rural-regional development.



DISTRIBUTED EDUCATION CENTER (DEC)

DEC is AIT's core unit for initiating distance-learning activities with responsibility for formulating and implementing a strategic plan for distributed education initiatives.



AIT ACTIVITIES IN VIETNAM

AIT Campus in Vietnam (AIT-VN) serves as an AIT Hub for knowledge transfer and life-long learning. It offers advanced education, short-term training, consultancy, information services, and outreach activities in Vietnam.

At AIT-VN based in Hanoi, academic programs in industrial systems engineering, business administration, information technology and civil engineering have been offered.

The Swiss-AIT-Vietnam (SAV) Management Development Program offers the management development program in **Ho Chi Minh City**. This program is in collaboration between AIT and the Swiss Agency for Development and Cooperation.

Academic Centers



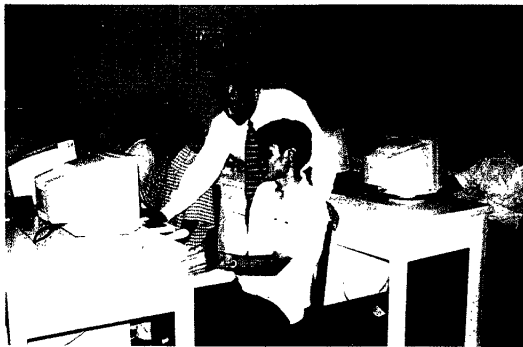
SCHOOL OF ADVANCED TECHNOLOGIES

Asian Center for Research on Remote Sensing (ACRoRS)

ACRoRS conducts remote sensing research in the region and promotes advanced techniques related to remote sensing, GIS, and GPS. ACRoRS is supported by the National Space Development Agency of Japan. Consultancy services and technical support are provided to individual researchers, government agencies and the private sector.

Geographic Information Systems Application Center (GAC)

GAC conducts training and provides technical assistance and consulting services for public and private organizations with a focus on coordinated, combined applications of geographical information systems and remote sensing technologies. Contract training programs are customized to the needs of client organizations.



SCHOOL OF CIVIL ENGINEERING

Asian Center for Engineering Computations and Software (ACECOMS)

ACECOMS carries out research in engineering computations, develops quality computer software tools for engineering applications, and conducts training in

latest computing technology. ACECOMS focuses on civil engineering disciplines in the context of the Asia-Pacific Region.

Asian Center for Transportation Studies (ACTS)

Through research, training, information dissemination, consultancy, lectures and other services, ACTS contributes to the alleviation of pressing transportation-related problems and improvement of people and goods, especially in major Asian countries.

Regional Environmental Management Center (REMC)

REMC provides training and consultancy services to environmental organizations to help them develop and implement innovative and workable solutions to environmental problems. Other activities include research, training, software development, publications, consulting, and membership services.



Asian Center for Soil Improvement and Geosynthetics (ACSIG)

ACSIG provides a strategic location for advanced technological education, researches and outreach activities on the application and effective utilization of ground improvement techniques. The Center acts as a catalyst in the advancement of soil/ground improvement techniques and the effective utilization of geosynthetics to mitigate geotechnical problems. It promotes soil improvement geosystems and geosynthetics for engineering applications.



Habitech Center

Habitech aims to seek alternative technical and environmental solutions in the development of human settlements. It is involved in research construction technologies, providing affordable housing and social infrastructure buildings to communities. It develops building materials, equipment, and techniques for the construction sector that can provide shelter without depleting or polluting the environment; and the dissemination of research and development activities through educational programs, training and publications.

International Ferrocement Information Center (IFIC)

IFIC collects, repackages, and disseminates information in the field of ferrocement through publications, reference and reprographic services and technology transfer activities. The Center coordinates activities of the International Ferrocement Society.

Regional Network Office for Urban Safety (RNUS)

RNUS is a collaborative center jointly operated by the School of Civil Engineering of AIT and the International Center for Urban Safety Engineering at the University of Tokyo to promote urban safety engineering utilizing advanced engineering technologies. The Center's priority task is the construction of an urban building and infrastructure database/inventory using remote sensing technology and ground surveys in Bangkok.



SCHOOL OF ENVIRONMENT, RESOURCES AND DEVELOPMENT

Aquaculture Outreach Unit

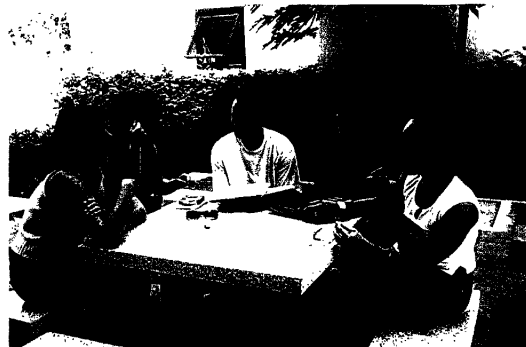
The Aquaculture Outreach Unit is part of the Aquaculture and Aquatic Resources Management field of study. Off-campus outreach activities are carried out jointly with national institutions, emphasizing education, research information dissemination and exchange, and institutional development.

Environment and Resources Management Group (ERMG)

ERMG is responsible for the environment-related outreach activities of the Urban Environmental and Engineering Program. It conducts seminars, trainings and workshops for national and international agencies, local governments, non-governmental organizations, educational institutions and other clients.

Urban Management Center (UMC)

UMC helps to improve planning and environmental management practices in the Asia-Pacific Region through capacity building activities, advisory services, research and information dissemination. These cover urban environmental management, transportation planning, environmental engineering, remote sensing and related topics.



SCHOOL OF MANAGEMENT

Asian Case Clearing House (ACCH)

ACCH widens the availability of Asia-specific management case studies and teaching materials by initiating case studies and networking with like-minded institutions in the region.

Management Development Center (MDC)

MDC is a specialized information center and outreach arm that provides training and information services catering to the specific needs of companies, managers and researchers.

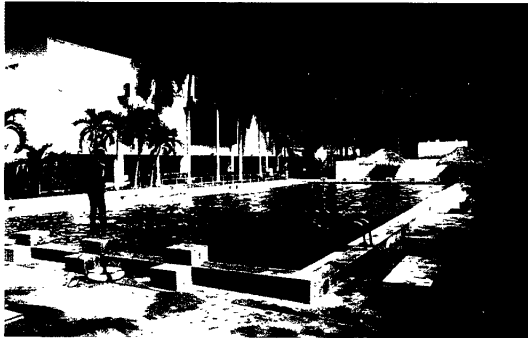
Campus

THE SETTING

The AIT Campus is known for its natural beauty and relaxed atmosphere, providing at the same time a convivial environment for scholarly learning and professional development.

Located 42 kilometers north of Bangkok, it is within easy driving distance from major commercial centers, hotels, schools and universities, hospitals, recreational and sports areas and other essential facilities that are normally found in a large city.

AIT pioneered the development of a university belt on Paholyothin Highway, a major road artery leading to the northern part of Thailand. Its neighboring academic and research institutions include the Rangsit Campus of the prestigious Thammasat University and the National Science and Technology Park of Thailand.



CONFERENCE, HOUSING, SPORTS AND MEDICAL AND SCHOOL FACILITIES

The AIT Conference Center is a major facility for conferences, workshops and short-term trainings. It features a 600-seat auditorium, a total of 117 hotel rooms, including four suites, a 180-seat Western/Thai restaurant, seven seminar and meeting rooms and secretarial offices. A comprehensive range of audio-visual equipment is available.

The 96-seat Milton E. Bender, Jr. Auditorium features ancillary communications facilities and is an appropriate venue for workshops, meetings and community activities. The auditorium is named after AIT's founding president, Prof. Milton E. Bender, Jr.

On-campus housing for faculty, staff and students is available. Students are accommodated in dormitories, apartments and housing units equipped with standard furniture, telephones, and hook up to the Internet via the Institute LAN.

Sports facilities include a swimming pool, tennis courts, basketball courts, football, cricket and hockey

fields, a nine-hole golf course, and squash courts.

A well-equipped medical unit with a doctor and supporting staff provides a 24-hour service. Complete hospital facilities are available at the Thammasat Hospital located next to the AIT campus.

The AIT Community School offers schooling up to Grade 6 for children of faculty, staff and students.



AIT LIBRARY

The AIT Library contains more than 240,000 volumes and subscribes to about 630 journals in science, management, engineering, technology, and environment and resource development. It offers in-depth reference services, inter-library loans, and facilities for computerized literature search. It also provides microfilming, bibliography compilation and document delivery services.

The AIT Library's on-line public access catalog contains bibliographic information on all resources purchased after 1971. Bibliographic databases, both on-line and in CD-ROM format, can be accessed through terminals in the AIT Library. On-line access is made possible through INNOPAC. Access is through the campus LAN and the Internet.

Homepage: <http://www.ait.ac.th/clair>

INFORMATION TECHNOLOGY SERVICE (ITServ)

ITServ is responsible for all IT infrastructures and services in the Institute by providing IT infrastructure services and network, broad user support and training, web-technology and multimedia support, data center service and administrative system development and maintenance.

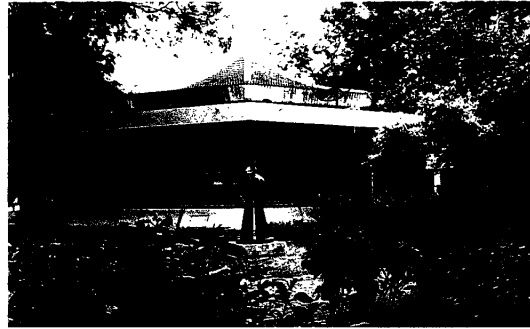
The Institute campus network connects every computer in every academic and administrative building, every room of every student/staff accommodation and every faculty/staff house. Wireless access

points have been installed in all classrooms, conference rooms in the Administrative building and AIT Conference Center as well as reading areas of the Library.

AIT has multiple lines of connection to Internet, ensuring high bandwidth and reliable Internet access capability.

The Institute has implemented computerized system for almost all Information System applications. Critical applications have been integrated into a single integrated system through the use of Enterprise Resource Planing (ERP) system, resulting in an effective information processing and more precise and timely decision-making process.

The Web-technology and multimedia has been widely used to support teaching and research activities of the Institute.



AIT STUDENT UNION

Enrichment programs are carried out by the AIT Student Union (SU) through various social, cultural, and sports activities. SU's responsibility rests with the General Assembly and the Executive Council. The General Assembly is composed of elected representatives from each class in all academic programs, the Doctoral students group as well as individual nationality groups.



STUDENT AFFAIRS AND ADMISSION

During the year, AIT teaches some 1500 students, 30 percent of whom are women. AIT students are taught and supported by around 120 faculty and 850 staff across the world. The medium of instruction at AIT is in English. The Institute starts its semester system in August 2003.

AIT's admission criteria are rigorous and students are selected based on their academic record and professional experiences. Only exceptionally well-qualified candidates are awarded full AIT scholarships or fellowships.

Admission into the Doctoral Program is granted in any semesters but only to applicants with outstanding academic records in both the Bachelor and Master levels. Inquiries about admission requirements and procedures should be addressed to Admissions and Scholarships Office, AIT or visit our website: www.ait.ac.th/AIT/Admissions



AIT ALUMNI ASSOCIATION (AITAA)

AITAA was established in 1969 to develop mutual understanding among the alumni, and between them and the Institute. To date, AITAA-National Chapters are found in Australia, Bangladesh, Bhutan, Brunei, Cambodia, Canada, Central Asia, Hong Kong, India,

Indonesia, Japan, Republic of Korea, Laos, Malaysia, Mongolia, Myanmar, Nepal, Pakistan, People's Republic of China, Philippines, Republic of China, Singapore, Sri Lanka, Thailand, United States of America and Vietnam. Furthermore, there are about 11,986 alumni from 67 countries and territories all over the world.

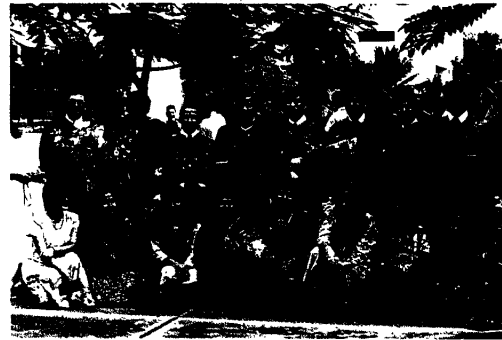
Multicultural Academic Institution

Under the guidance of world-class faculty members, a new generation of promising young men and women are pursuing postgraduate education at AIT to cope with managerial and technological challenges in the coming decades.



AIT Offers to Selected Students

- A multi-cultural academic institution with well-established reputation in the region
- International character, in terms of students, faculty and staff, the most diverse and heterogeneous grouping in one place in all of Asia
- A wide network of regional and global contacts through donors, partners and alumni
- Interaction with outstanding Asian, European and North American universities
- First-hand research experience of real-life development problems in the world's fastest growing region
- Relevant and diversified academic offerings at the graduate level
- Specialized fields of study as a source of differentiation
- Excellent physical infrastructure set in a strategically located country in Asia





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<http://www.ait.ac.th>

For more details, please contact:

Admissions and Scholarships Office
Asian Institute of Technology
P.O. Box 4, Klong Luang
Pathumthani 12120, Thailand
E-mail: admissions@ait.ac.th
Website: www.ait.ac.th/AIT/Admissions
Tel. (66-2) 524-5032-33
Fax: (66-2) 524-6326
(For local calls, dial 02 before the tel./fax. nos.)

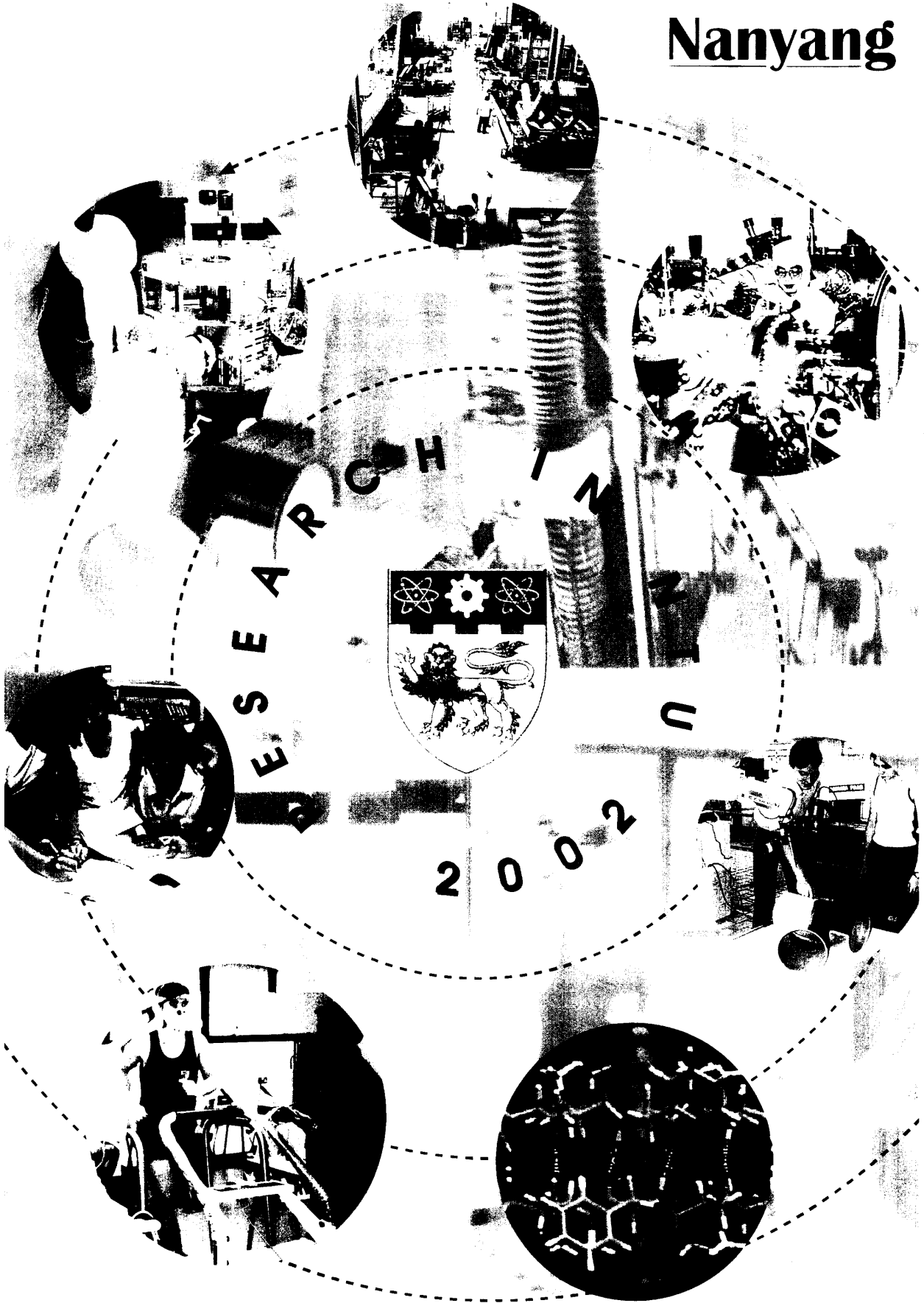
AIT-Vietnam

Address: 21 Le Thanh Tong Street
G.P.O. Box 136, Hanoi, Viet Nam
Tel. (84-4) 825-3493
Fax. (84-4) 825-3658
E-mail: admin@aitcv.edu.vn

Swiss-AIT-Vietnam Management Development Programme

Address: c/o HCMC University of Technology,
268 Ly Thuong Kiet, Dist.10, Ho Chi Minh City,
Viet Nam. Tel. (84-8) 865-0880.
Fax. (84-8) 865-0881
E-mail: SAV@netnam2.org.vn

Nanyang



NTU in Perspective

The Nanyang Technological Institute (NTI), the predecessor institution of NTU, was established on the 8th of August 1981 as a tertiary institution to provide undergraduate and postgraduate training and education in engineering and technology.

By an Act of Parliament in July 1991, NTI was reconstituted and renamed the Nanyang Technological University (NTU), with a charter to award its own degrees. NTU is now a full-fledged comprehensive university, with Schools of Civil & Environmental Engineering, Electrical & Electronic Engineering, Mechanical & Production Engineering, Computer Engineering, Materials Engineering, Biological Sciences, Communication & Information, Nanyang Business School, and National Institute of Education (NIE).

NTU's mission is to produce tomorrow's leaders and entrepreneurs, and advance R & D for industry. Its goal is to become a world-class university where theories and solutions are to be nourished by the problems and applications of industry.

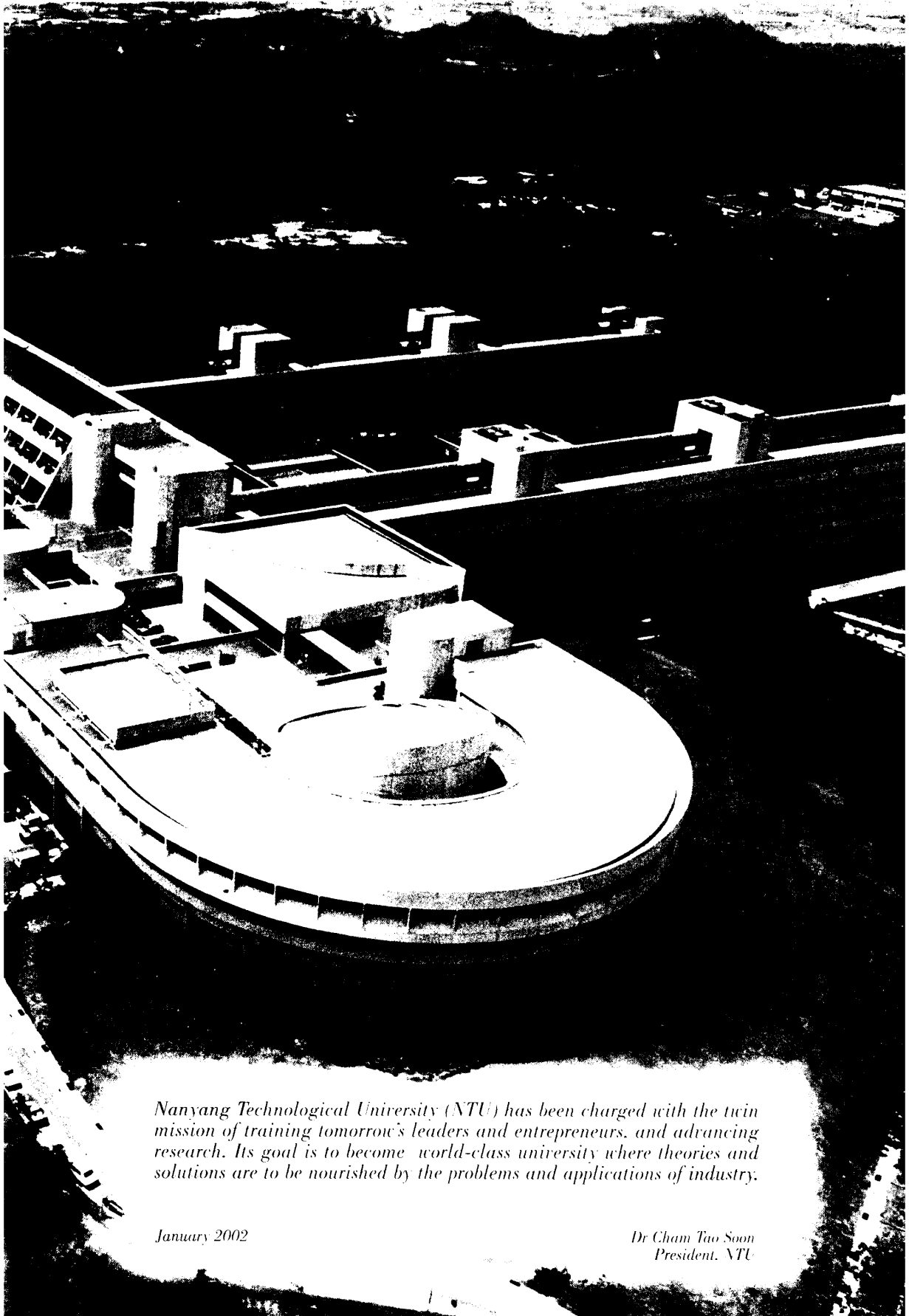
NTU has a 200-hectare site located in the industrial heartland of Jurong about 25 km from the city centre. A S\$200 million teaching complex of futuristic yet functional design was built in 1986, set amidst lush green surroundings. As a result of the fast growth in its student population, the University has embarked on the Phase III development of new teaching and research facilities, most of which have now been completed.

Befitting the status of a leading technological university, NTU is home to some of the best equipped teaching and research facilities in the region. To maintain high academic standards,

lecturers with excellent academic credentials, teaching, research, and industrial/business experience are employed.

The academic and research staff strength stands at 1770, with a technical support and administrative staff of about 1630. Currently, there are about 15,700 undergraduate students, 4400 postgraduate students reading for Master's and Doctoral degrees, and about 1120 students in its postgraduate diploma courses.

Besides the research laboratories and research centres in each School, NTU has also established a number of inter-School multi-disciplinary centres to work in close partnership with industry. These are the Information Communication Institute of Singapore, Innovation & Technology Transfer Office, Advanced Materials Research Centre, Biomedical Engineering Research Centre, Centre for Advanced Construction Studies, Centre for Advanced Media Technology, Centre for Advanced Numerical Engineering Simulations, Centre for Chinese Language & Culture, Centre for Financial Engineering, Centre for Graphics & Imaging Technology, Centre for High Performance Embedded Systems, Centre for Mechanics of Microsystems, Centre for Research in Satellite Technologies, Centre for Signal Processing, Centre for Transportation Studies, Environmental Engineering Research Centre, Global Positioning Systems Centre, Geotechnical Research Centre, Maritime Research Centre, Microelectronics Centre, Micromachines Centre, Nanyang Centre for Supercomputing and Visualisation, Nanyang Technopreneurship Centre, Network Technology Research Centre, Precision Engineering & Nanotechnology Centre, Protective Technology Research Centre and Robotics Research Centre.



Nanyang Technological University (NTU) has been charged with the twin mission of training tomorrow's leaders and entrepreneurs, and advancing research. Its goal is to become world-class university where theories and solutions are to be nourished by the problems and applications of industry.

January 2002

*Dr Cham Tao Soon
President, NTU*

School of Electrical & Electronic Engineering

The School of Electrical and Electronic Engineering (EEE) plays an integral role to spearhead tertiary teaching, advanced research and professional services in a number of key disciplines in Electrical and Electronic Engineering, with a main objective to contribute to the technological and economic advancement of Singapore. The School's mission in research is to achieve excellence by providing a conducive and intellectually stimulating environment to enable high quality work in strategic directions that are of significant impact to industry, science and technology. The School pays special emphasis to industrial interactions and collaborations with Government and Statutory Boards, local, as well as overseas academic and research institutions to keep abreast of the country's manpower needs and developments in today's constantly changing technological landscape.

The School comprises six Divisions, namely, Power Engineering, Circuits and Systems, Information Engineering, Control and Instrumentation, Communication Engineering and Microelectronics. Also under the School's administration is the Information Communication Institute of Singapore (ICIS), which conducts extensive training in communication software and network technology. Together, they form a powerhouse of resources for tertiary teaching, research manpower training and innovation.

RESEARCH CENTRES IN THE SCHOOL

The School is host to seven inter-school research centres, which are equipped with a comprehensive range of state-of-the-art tools for the respective research areas under the centre's purview. They are:

- Centre for Signal Processing (CSP)
- Microelectronics Centre (MEC)
- Network Technology Research Centre (NTRC)
- Biomedical Engineering Research Centre (BMERC)
- Global Positioning Systems Centre (GPSC)
- Centre for Research in Satellite Technologies (CREST)
- Application Service Providers Centre (ASPC)

CSP is a national centre funded by the Agency for Science, Technology and Research (A*STAR). Research programs conducted in CSP include audio, speech, image, video and adaptive signal processing,

digital signal processing hardware and implementation. Research in MEC are organized into six groups, namely; Compound Semiconductor Materials and Devices, Diamond and Diamond-Like Carbon, Photonics, Sensors and Actuators, Silicon Process and Devices, and IC Technology. In NTRC, key research directions include broadband network design, optical networks and network technologies and applications. Established in 1997 BMERC spearheads biomedical engineering research and plays an important role to bridge the engineering discipline and biology/medicine by applying engineering methodologies to solve biomedical problems. Key research directions include medical image and signal processing, biomechanics, lasers and robots in medicine, medical instrumentation and telemedicine. Research activities in GPSC include differential global positioning systems, RF identification and tagging, sub-centimeter accuracy positioning algorithms and indoor positioning systems. In CREST, key research programs include development of core capabilities in satellite communication technology, portable ground terminal for low earth orbit satellite communications and low earth orbit satellite communications and services studies. The ASPC was established to spearhead research in internet-related activities such as data warehousing and data mining for electronic commerce, internet agent technology, and E-learning systems. Research in these inter-school centers attracts active participation from other schools in NTU, especially in projects of multi-disciplinary nature.



Molecular Beam Epitaxy (MBE) system equipped with nitrogen and carbon-tetra bromide gas sources for the development of advanced optoelectronic and high frequency device technology.

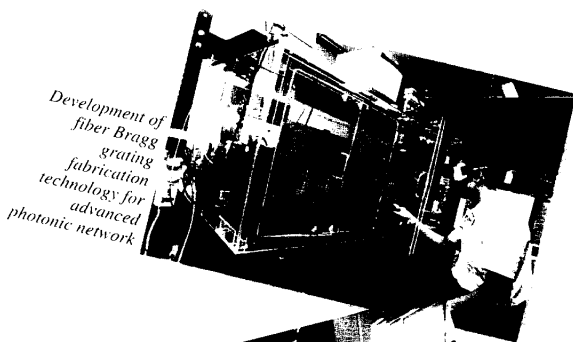
RESEARCH AREAS AND FACILITIES

As a whole, the School's research activities are strategically organized under three main clusters. The first cluster is Telecommunications, Digital Signal Processing and Information Technology. The second cluster encompasses Microelectronics and Circuits and Systems, while the third cluster is in Automation Technology. The multi-disciplinary research work carried out under these clusters ensures a high level of synergy between the projects, thus enabling the sharing of expertise and key resources. Apart from the 7 research centres, there are also specialized laboratories to support the research activities in the School. These include Electric Power Research Laboratory, Integrated Systems Research Laboratory, Information Systems Research Laboratory, Intelligent Machines Research Laboratory, and Communications Research Laboratory. Organized into research groups, staff members carry out research in areas, which include power systems control, power electronics and drives, IC design and CAD tools, multimedia signal processing, computer architecture, robotics, control theory, computer vision, microwave circuits, antennas and satellite communication. In addition, two Class 100 clean rooms and a materials

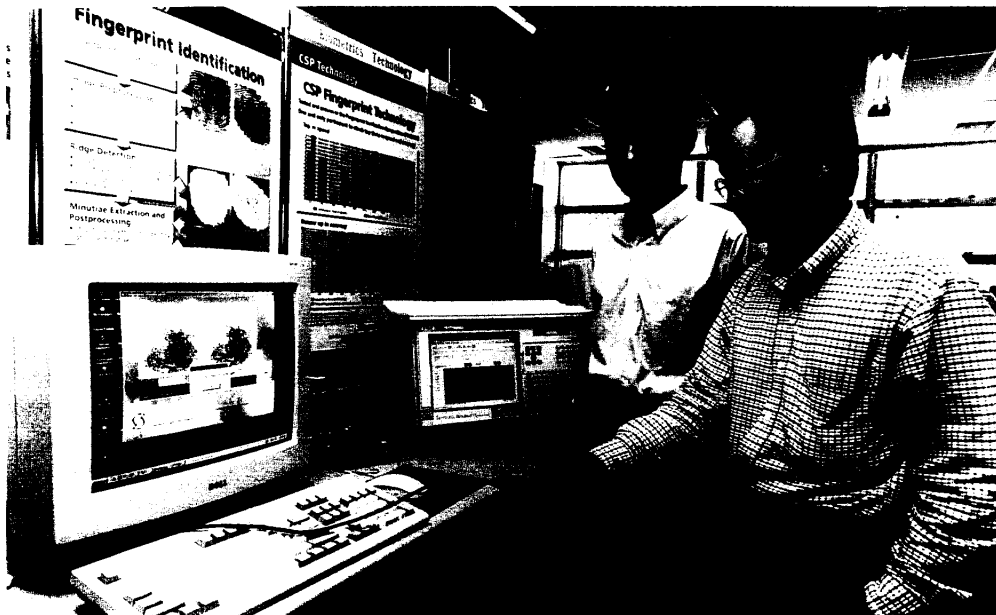
characterization laboratory with state-of-the-art equipment for epitaxial growth, semiconductor characterization, materials processing and device fabrication support key projects in compound semiconductors and silicon technologies, while sensors and actuators research is supported by a Sensors and Actuators Laboratory. Two Photonics Laboratories support strategic projects in the development of components and technologies for dense wavelength division multiplexing (DWDM), amongst other projects in photonic sensors and integrated optics. Specific coating technologies using patented diamond-like carbon film deposition techniques are developed in the Ion Beam Processing Laboratory.

Selected projects, which have attracted substantial funding and/or collaboration include:

- Core capabilities development in III-V compound semiconductor for wireless communication devices and MMICs
- Development of new dielectric materials for tunable RF devices and microwave antenna
- Research and development of WDM devices, equipment and test-bed
- IP over WDM network
- Photonic MEMS for optical networking
- Cardiovascular and respiratory systems signal simulation, processing and analysis for telemedicine
- Probabilistic reasoning applied to cardiovascular signals for detection of premature ventricular contraction and fibrillation
- Core capabilities in satellite communications technology
- Development of X-Sat microsatellite
- Intelligent multisensory knowledge-based system for weld quality control
- Development of submicron IC technology
- Microwave and millimeter-wave MEMS for automatic identification and tracking
- A miniaturized noise reduction processor for audio applications
- Development of high performance outdoor autonomous navigation system
- Development of an intelligent monitoring and control system for hazardous waste chemical treatment process



School of Electrical & Electronic Engineering



Development of finger print identification technology for security systems

RESEARCH COLLABORATIONS

Close collaboration with Government and Statutory Boards form an integral part of the School's research strategy. There are R & D programs with the Ministry of Defense, Info-Communication Development Authority of Singapore, Land Transport Authority, National Computer Board, Port of Singapore Authority and Productivity and Standards Board, amongst many others. Joint projects with local organizations and research institutes include those with Singapore Telecom, Singapore Power, Singapore Technologies Group, Chartered Semiconductor Manufacturing, Motorola, Hewlett Packard, Avimo Group, Data Storage Institute, Singapore General Hospital, Tan Tock Seng Hospital, Institute of Microelectronics, Institute of Materials Research and Engineering, MBE Technology, Nokia, Center for Wireless Communication, Agilis Communication, EPCOS Singapore, and many others.

The School takes a proactive approach to forge strategic alliances with a number of overseas universities and organizations to engage in joint projects. These include Massachusetts Institute of Technology, Cambridge University, University of Surrey, University of Tokyo, Xian Jiao Tong University, University of South Australia, Institute of Semiconductors, Chinese Academy

of Sciences, Shanghai Institute of Ceramics, the Institute of Microstructural Sciences of Canada, and many others.

RESEARCH ACHIEVEMENTS

Funding for research in the School comes from the Ministry of Education (MOE) and external organizations such as the Agency for Science, Technology and Research (A*STAR), local industry and Government Statutory Boards. Through these means, the School's research infrastructure has continued to grow from strength to strength, in terms of manpower, state-of-the-art facilities, funding, as well as interactions with industry and renowned academic and research institutions. In the year 2000, the signing of 20 new research agreements and memoranda of understanding is strong testimony to the School's proactive partnership and linkages with the relevant external organizations for research and development. The building of core competencies is crucial so that the School can spearhead research programs, which are of strategic importance for attracting overseas investments to Singapore and creating spin-off technology companies, which adds value to our effort to promote technopreneurship amongst staff and students.

School of Electrical & Electronic Engineering

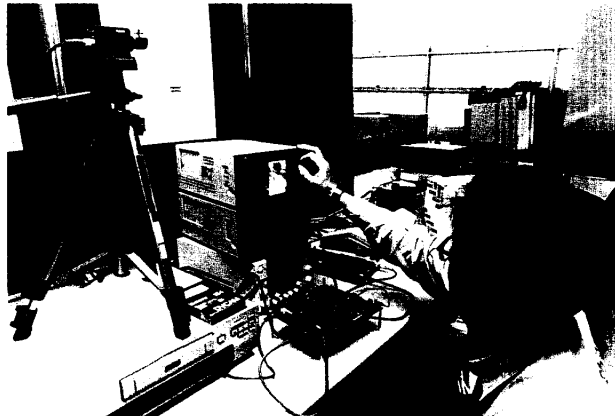
As of mid 2001, the School has a cumulative total research funding of around \$178 million, of which approximately 50% are from external sources. A number of projects amounting to approximately \$70 million in funding have been successfully completed. At the time of writing, the School has approximately \$108 million in funding for on-going projects. The School has more than 200 research staff in various categories, including Research Fellow, Post Doctoral Fellow, Research Associate, Research Engineer, Project Officer, Technical Specialist, and others. There are more than 200 academic staff members who are actively engaged in research, and more than 900 graduate students in the various categories (PhD, MEng and MSc). The manpower and student numbers are projected to increase further due to the expansion programs in training and research currently embarked by the School. In year 2000, results arising from research in the School have been published in close to 600 refereed international journals, and an equally high number in reputable conference proceedings.

journals, Outstanding Engineering Achievement Award, Challenge Trophy awarded by Learned Societies, and many others. The School organizes six international conferences, namely; International Conference on Power Engineering, International Conference on Information, Communications and Signal Processing, International Symposium on IC Technology, Systems and Applications, International Conference on Control, Automation, Robotics and Vision, International Symposium on Photonics and Applications, and International Symposium on Microelectronics and Applications. These conferences have attracted large international and local participation and serve as an effective platform to network the School into the international arena of high technology in key disciplines in Electrical and Electronic Engineering.

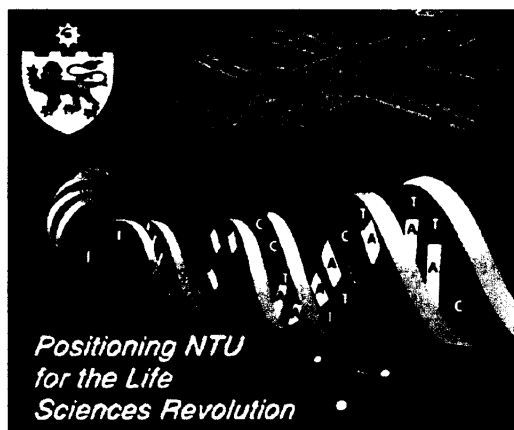


Research in navigation and localization in a cluttered environment

To date, staff members of the School have formed 12 spin-off companies to commercialize the research findings in computer vision, ASIC design and signal processing, wear-resistant coating, digital data authentication, RF technology, fibre-optic sensors, photonic devices, amongst others. These companies have attracted significant co-investments from external organizations. More than 40 patents in various technologies, including diamond-like carbon coating, actuator design, hearing aid, speech coding, methods for camouflaging data, photonic devices, RFIC design, laser splicing of optical fibres, fibre-optic sensors, and others, have been filed or granted. Staff members have received awards and recognition for their achievements. These include A*STAR's National Science and Technology Award, Fellowships in IEEE and IEE, Editorship and Associate Editorship of international



Research in video enhancement techniques



INTRODUCTION

The two previous centuries have been dominated by chemistry and physics, and it is predicted that the 21st century would be dominated by biology. New knowledge and discoveries generated as a result of genome and molecular biology research will have major impact on the life sciences and pharmaceutical industries, healthcare, food and nutrition, people and the environment. Thus the government of Singapore wants to develop the Life Science industry as the 4th pillar of the Singapore economy, after Electronics, Engineering and Chemical industries. The School of Biological Sciences was setup in response to the call by Deputy Prime Minister Tony Tan, last January, for the Nanyang Technological University to take a more active role in the Life Sciences. The School, established in July 2001, will develop NTU's research capabilities in the Life Sciences

and train graduates and post-graduates for the Life Sciences industries of the future. The School of Biological Sciences has been setup at an estimated cost of \$465 million with an operating cost of \$50 million per annum, comprising \$25 million for teaching and research manpower and \$25 million for other operating costs.

RESEARCH FOCUS

Over the past few years entire genome of prokaryotes, unicellular and multi-cellular eukaryotes have been sequenced. Sequencing of human genome is almost complete. Thus over a short period of time we have moved from a situation where we had just a handful of molecular targets to literally thousand of targets for intervention. Due to advances in Medicine and improved nutrition, the life expectancy of the population in general has gradually increased over the years. Thus, the school



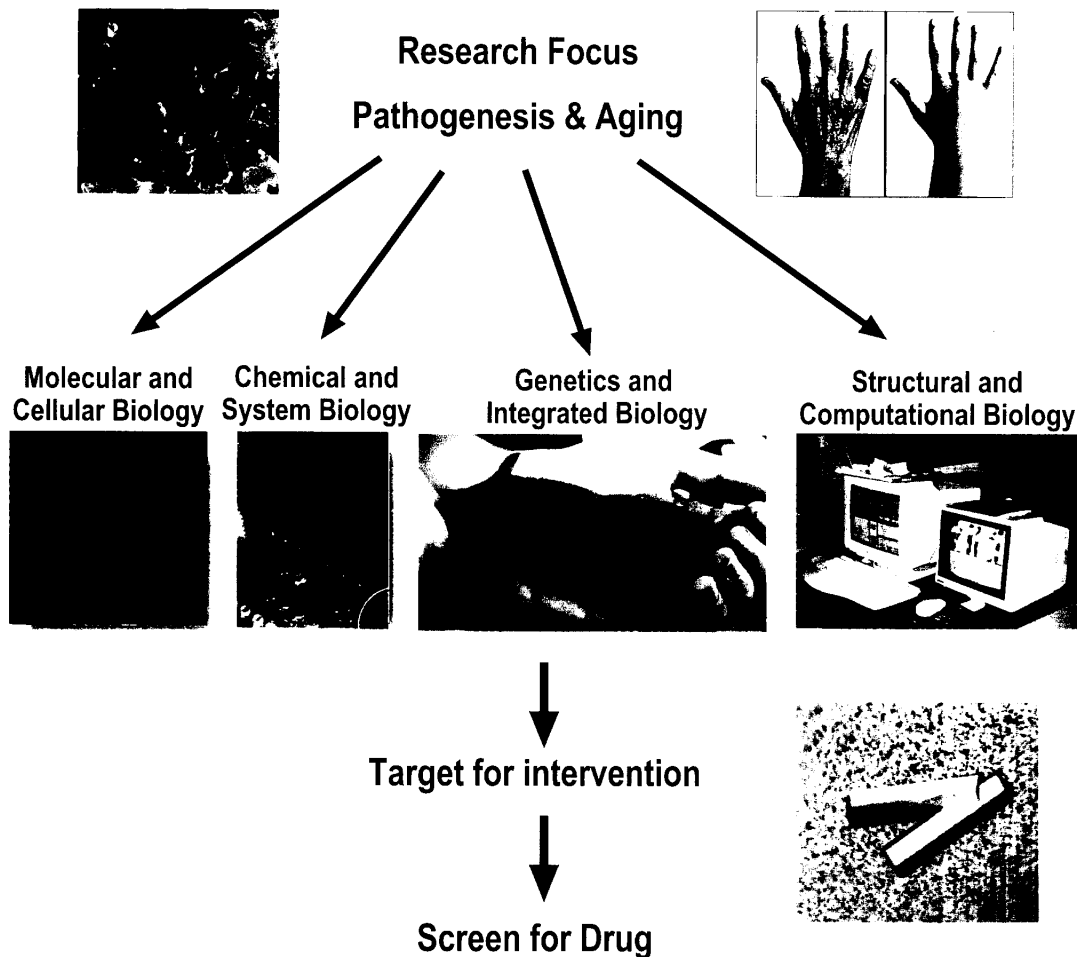
Proposed School of Biological Sciences complex

School of Biological Sciences

will be focusing its research in two broad areas, Aging and Pathogenesis. Researchers at the school will be developing, and using latest scientific tools to understand the function of the genes in pathogenesis and aging. The knowledge obtained from studying the function of the genes and information obtained by mining the genome maps will be used to identify molecular targets for therapeutic intervention to enhance the quality of human life. Once the targets have been identified the school will be focusing on developing both chemical and biotechnology based drugs using the knowledge obtained from basic and structural biology.

The School has recruited top-class researchers to join its faculty. These researchers will be clustered so as to maximise the potential of individuals and to enhance the quality of the research.

Initially, the School of Biological Sciences will be located at the National Institute of Education (NIE). A multi-million dollar complex for the School of Biological Sciences is being planned and would be built on the NTU campus in 2 years. As the School develops, appropriate facilities will be added to enhance NTU's collaboration with the healthcare, pharmaceutical and biomedical technology industries.



Nanyang Business School



Nanyang-Sloan Executive Summit 2001 "The Digital Challenge: Driving Change, Delivering Value, Achieving Results" organised by IMARC with Sloan School of Management (MIT). The summit featured contributions from eminent gurus of top corporations like Dr. Tom Davenport, Director, Institute for Strategic Change, Accenture; Mr. Roger Moore, President, Dupont, ASEAN, and Managing Director, Director, Dupont, Singapore; Professor Peter Weill, Director, CISR, Sloan School of Management, MIT; Mr. Marc Bardi, Vice President, e-Solution, CitiBank N.A., Asia Pacific, Dr. Kaizad Heerjee, Asst. Chief Executive, IDA and Mr. Ng Yoke Weng, CIO, Singapore Telecommunications Ltd. Professor Neo Boon Siong, Dean, Nanyang Business School, NTU.

Nanyang Business School (NBS) has earned worldwide recognition for its academic excellence and in meeting the needs of industry for professionally trained graduates. Strong emphasis is given to good teaching and rigorous research. Today, the school's academic programmes continuously meet high standards in terms of instruction and criteria for student admission. Collaboration with faculty from many renowned universities worldwide has enhanced curriculum development, research, staff development, conferences, seminars and teaching.

Our main research areas include:

- Accounting & Auditing
- Banking & Finance
- Business Law
- Economics
- Entrepreneurship
- Human Resource Management
- Information Technology
- Insurance & Actuarial Science
- International Business
- Marketing
- Organisation & Management
- Strategy

Research Centres (<http://www.nbs.ntu.edu.sg/research/index.htm>)

There are seven research centres in NBS :

- Asian Business Case Centre
- Asian Commerce & Economics Studies Centre (ACES)
- Centre for Accounting & Auditing Research (CAAR)
- Centre for Research in Financial Service (CREFS)
- Human Resource Round Table (HARRT)
- Information Management Research Centre (IMARC)
- SABRE Research Centre (SABRE)

(i) Asian Business Case Centre

The Asian Business Case Centre is positioned to meet the growing demand for case studies on the Asian business experience. Teaching cases bring an invaluable element of reality into business and management study.

The open-ended scenarios they present provide enormous flexibility to instructors, allowing learners to develop professional competencies and analytical frameworks through experiential learning and simulation-model problem solving. Using case studies allows learners to think outside the box, deal with unstructured problems, and develop the ability to assess situations, as they will present themselves in the high pressures of the marketplace.

Nanyang Business School

(ii) Asian Commerce and Economic Studies Centre (ACES)

ACES has been set up with the objective of building the School's external wing in Asia.

Specifically, the Centre's activities have been streamlined into the following units:

- Mandarin Executive Programme
- Development Executive Programme
- Asian/ IR/HR Studies Unit
- Islamic Banking Unit
- Consultancy Research Unit
- Master of Science in Managerial Economics

(iii) Centre of Accounting and Auditing Research (CAAR)

CAAR was established in February 1994 with the mission to promote and disseminate quality research in accounting and auditing as well as foster links with industry.

CAAR is engaged in the following activities:

- Planning, conducting and providing administrative support for research on significant issues relating to accounting and auditing.
- Organising research seminars, workshops and forums on emerging issues affecting the accounting and auditing profession.
- Circulating working papers and other monographs so as to disseminate research findings amongst academics and professionals
- Organising and supporting local and regional accounting conference in the Asian-Pacific region.
- Co-organising the annual International Symposium on Audit Research

(iv) Centre for Research in Financial Services (CREFS)

CREFS was established in February 1992 to promote research in finance by bringing together academic, business and public policy thinking in areas relating to financial markets and institutions and financial products and services.

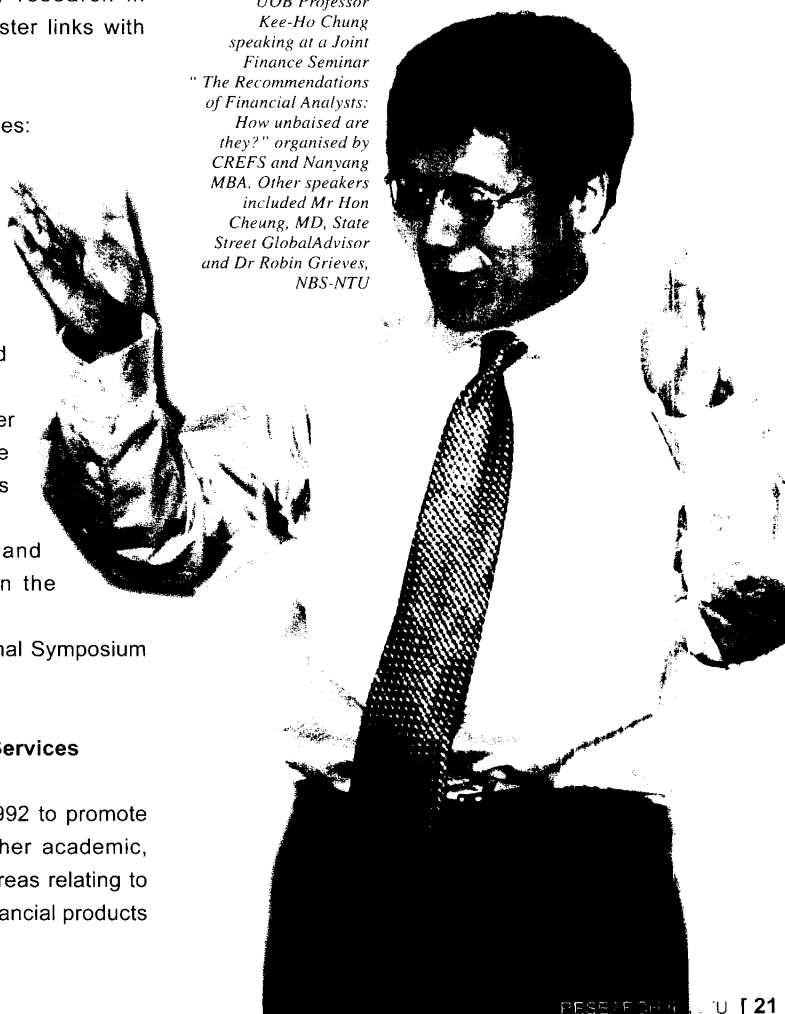
Areas of research currently undertaken by CREFS include:

- Commercial & Investment Banking
- Capital Markets
- Bank Management
- Corporate Finance
- Investments
- Derivatives
- International Finance
- Treasury Management
- Fixed Income Securities
- Market Microstructure

(v) Human Resource Round Table (HARRT)

The Human Resource Round Table (HARRT) for Senior Human Resource Executives originated in 1986 at the

*UOB Professor
Kee-Ho Chung
speaking at a Joint
Finance Seminar
"The Recommendations
of Financial Analysts:
How unbiased are
they?" organised by
CREFS and Nanyang
MBA. Other speakers
included Mr Hon
Cheung, MD, State
Street GlobalAdvisor
and Dr Robin Grieves,
NBS-NTU*



Nanyang Business School

University of California, Los Angeles (UCLA). The purpose is to increase interaction between senior human resource practitioners in academia and industry, so that both groups benefit from the free flow and exchange of knowledge and practice ideas. HARRT organizes a prestigious annual retreat which is well attended by leading HR practitioners, researchers and scholars from different countries.”

The affiliate group, the HARRT-Singapore has been set up at the Division of Strategy, Management & Organization to promote cooperation and knowledge exchange between the university and the business community in Singapore.

(v) Information Management Research Centre (IMARC)

IMARC's mission is to create and disseminate knowledge for effective IT management through innovative and cross-disciplinary research and interactions with leaders in academia, business and government. Its key areas of research include:

- Electronic Commerce
- Strategic IT Management
- Enterprise Resource Planning Systems
- Supply Chain Management
- IT Personnel Management
- IT and Organizational Controls
- IT Outsourcing

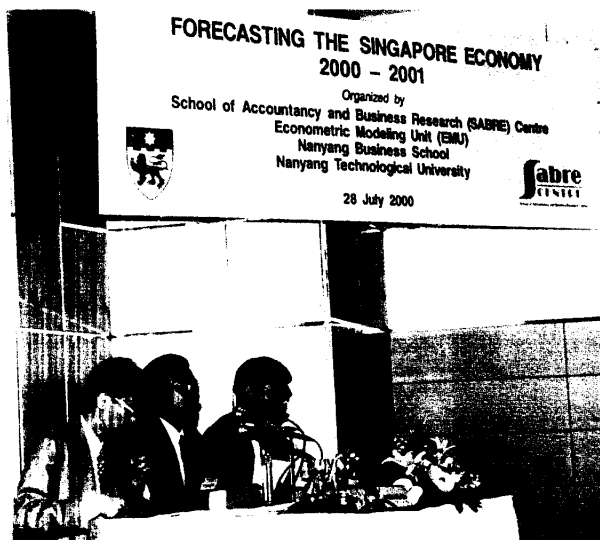
- Data Mining
- IT and Telecommunications Policy

IMARC maintains strong links with the international academic community through its International Advisory Board comprising eminent professors from the United States, Europe and Australia. Industry interaction is facilitated through joint research projects and executive programs. Executive programs include the annual IMARC Summit (held in conjunction with the Center for Information Systems Research, Sloan School, MIT) as well as in-house executive programs.

(vii) SABRE Research Centre (SABRE)

Set up in 1989 to promote and foster research in the school, SABRE maintains a resource centre, publishes working papers and conducts regular seminars.

It has two research units under its wings: the Econometric Modelling Unit (EMU) which maintains a quarterly econometric model of Singapore and produces biannual forecasts and policy simulations; and the Employment Studies Unit which conducts and publishes studies on wage policies and other labour market issues in Singapore. Since 1994, the EMU has been producing biannual forecasts of the Singapore economy. In 2000 the ASEAN Economic Monitoring Unit (AEMU) was formed with the objective of producing economic forecasts for the ASEAN economies.



Dr Chen Kang and Dr Tan Khee Giap forecasting the Singapore Economy at the 6th Annual Nanyang Asia-Pacific Banking Conference organised by Nanyang Business School, Singapore Investment Banking Association and The Singapore Foreign Exchange Market Committee. The session was chaired by Dr. Koh Hian Chye (centre) from NBS.

The pervasiveness of mass communication and new information technology (IT) in a modern society points to significant needs. As Singapore becomes a regional media hub, there is an urgent need to study on-going media and communication developments. The School of Communication & Information (SCI) has been set up to take the lead in educating future communication professionals and conduct research on local, regional and international communication issues. Mass media and IT policy formulations and their social, political, economic and cultural implications for Singapore are of primary concern.

THE SCI PROGRAMME

Established in July 1992, the programme at the SCI combines the theoretical with the practical and provides an analysis of the relationship between mass media communication and other forms of historical, cultural, political and economic expressions. The SCI approach enables students to relate their professional and academic interests to the society's communication needs. There are four divisions under the SCI:

- Journalism and Publishing
- Electronic and Broadcast Media
- Public and Promotional Communication
- Communication Research

RESEARCH FOCUS

Research activities at SCI focus on the communication scene in Asia. In particular, emphasis is

placed on the development and impact of new communication technologies, and communication within a multi-racial, multi-religious and multi-lingual context. The School regards as its mission to generate and provide information and research that will be useful for planning and decision making on information and communication policies, in Singapore and the region.

Among the topics currently studied in the School are:

- The Social Impact of the Internet in Singapore
- Media, culture and identity in the age of global communication
- Communication, technology and society: policies, planning and social issues
- Policies on the convergence of electronic communication in Asia
- The global newsroom and regional news hubs
- Media and agenda management
- Perceptions of public opinion in Singapore
- Asian values and the practice of journalism

INTERNATIONAL COLLABORATION

The SCI has agreements with Cornell University, Michigan State University, University of Southern California and the University of Missouri School of Journalism to collaborate in research projects, curriculum

Video/Television facilities in the School of Communication & Information include a state-of-the-art production studio and control room with digital video effects, graphics and character generators, tele-prompters and editing facilities.



School of Communication & Information

development, student and staff exchanges, and joint seminars and conferences. Singapore hosted the Conference of the International Association of Mass Communication Researchers (IAMCR) in 2000, one of the leading academic societies in the field of communication studies.

PROFESSORSHIPS

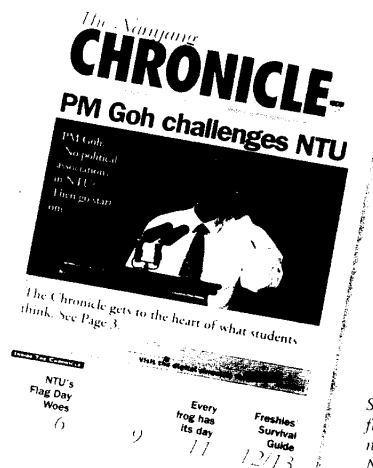
The School has two endowed professorships to invite top-notch scholars in the field to conduct research and teaching in SCI:

The Wee Kim Wee Professorship in Communication Studies was established in 1995 to bring eminent scholars and professionals to the School. The Professorship contributes to the School's mission to be a centre of excellence in communication research, teaching and service to industry.

The Shaw Foundation Professorship in Media Technology, launched in 1999, is used to invite established professors from abroad and professionals in the media industry to contribute to research and programme development.

PUBLICATIONS

The SCI and AMIC jointly publish the Asian Journal of Communication. The bi-annual journal highlights and examines communication issues in the Asia-Pacific Region. Started in 1990, the journal serves as an important source for researchers on Asian communication topics.



Students publish a full-colour campus newspaper, The Nanyang Chronicle, with faculty supervision.

SCI also publishes the Nanyang Chronicle, a campus newspaper that facilitates communication within the University. The Nanyang Chronicle also provides an opportunity for communication studies students to hone their skills in the various aspects of news reporting, including the use of research tools.

MEDIA AND RESEARCH FACILITIES

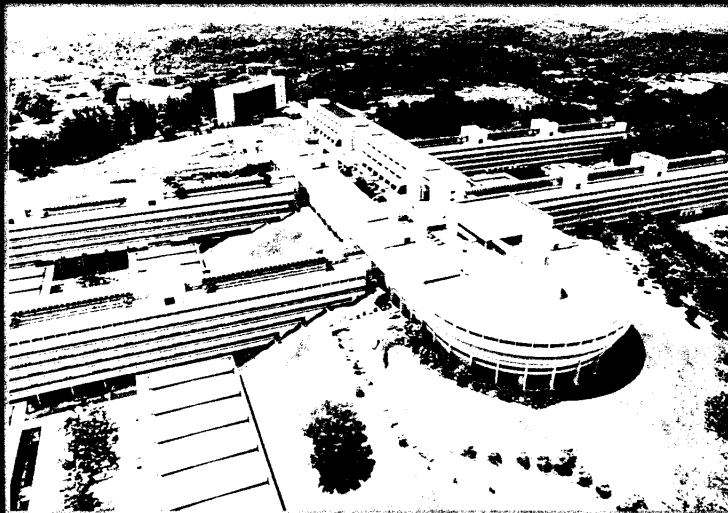
As part of "hands-on" learning, the SCI has set up state-of-the-art media labs for print and broadcast journalism as well as audio and video/television production.

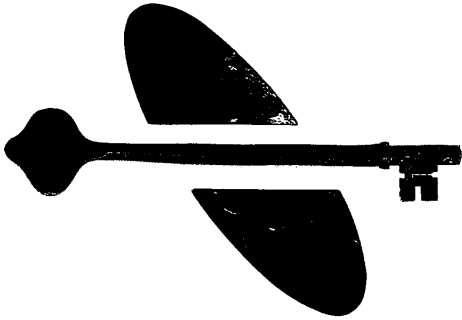
Other facilities include computer labs for graphics and desktop publishing, and multi-purpose media rooms with equipment for photography and link-ups for teleconferencing.

The new School of Communication & Information Building was officially launched on May 10, 1997.

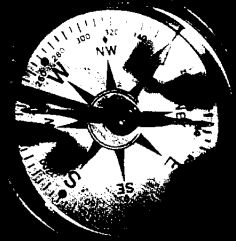


A state of the art, Communication Research Lab has been set up with a computer-assisted telephone interviewing (CATI) system to conduct nationwide surveys. There is also an observation room with unobtrusive recording equipment. All the computers in the lab have software packages for quantitative and qualitative analysis of data. Plans for establishing a Research Centre within the School are under way.





U N D E R G R A D U A T E S T U D I E S



www.nus.edu.sg/campusmap

As a freshman on campus, you may feel lost in such a big institution with more than 10 faculties and schools, many other departments and affiliated institutions on campus. To further familiarise you with our surroundings, we have the campus map specially prepared for you right after this page.

Explore beyond the map and visit us at any of our facilities that we have for our undergraduates – the swimming pool, the various libraries, the tennis courts, squash courts, and lots more...

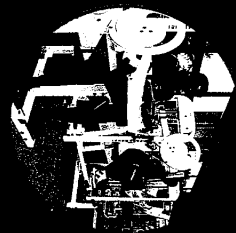
More often being termed as "Steps" by our undergraduates in the past for having to walk through numerous steps and slopes to get from one place to another, we have catered more internal shuttle bus services on campus now. There are a total of five internal bus shuttle services available to all visitors on campus. So if you are at the Faculty of Arts and Social Science and you would like to get to the Faculty of Science, no worries – just hop on to our internal bus shuttle service. And in less than 10 minutes, you are there! And best of all, the campus rides are free! To find out more information on our internal bus shuttle services, please refer to this website: www.nus.edu.sg/corporate/visitors/internal_bus.htm

Facts and Figures

Campus area (hectares)	150
Undergraduate student population	23,000
Postgraduate student population	8,500
Academic staff strength	2,800
Administrative staff strength	3,000

2003-2004 Academic Year

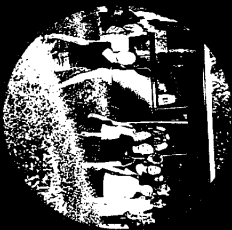
Semester I	28 July 2003 to 22 November 2003
Vacation	23 November 2003 to 4 January 2004
Semester II	5 January 2004 to 25 April 2004
Vacation	25 April 2004 to 25 July 2004



Relaxing yourself at the gymnasium centre after a day of hard work.

Facilities and Schools

- Faculty of Arts and Social Sciences
- School of Business
- School of Computing
- Faculty of Dentistry
- School of Design and Environment
- Faculty of Engineering
- Faculty of Law
- Faculty of Medicine
- Singapore Conservatory of Music
- Faculty of Science
- University Scholars Programme



Our free internal bus shuttle service provides you the convenience of bringing you from one place to another in less than 10 minutes.

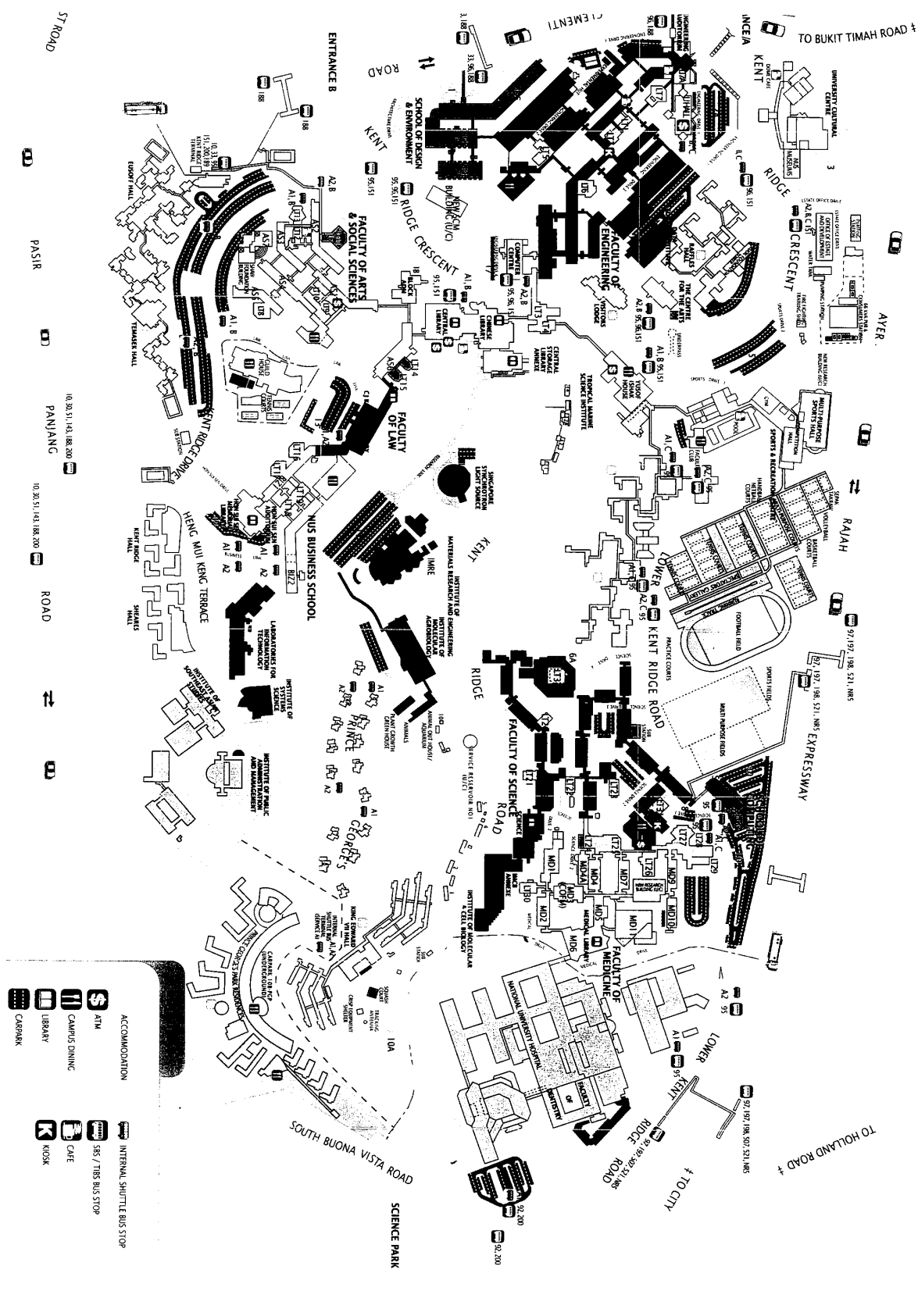


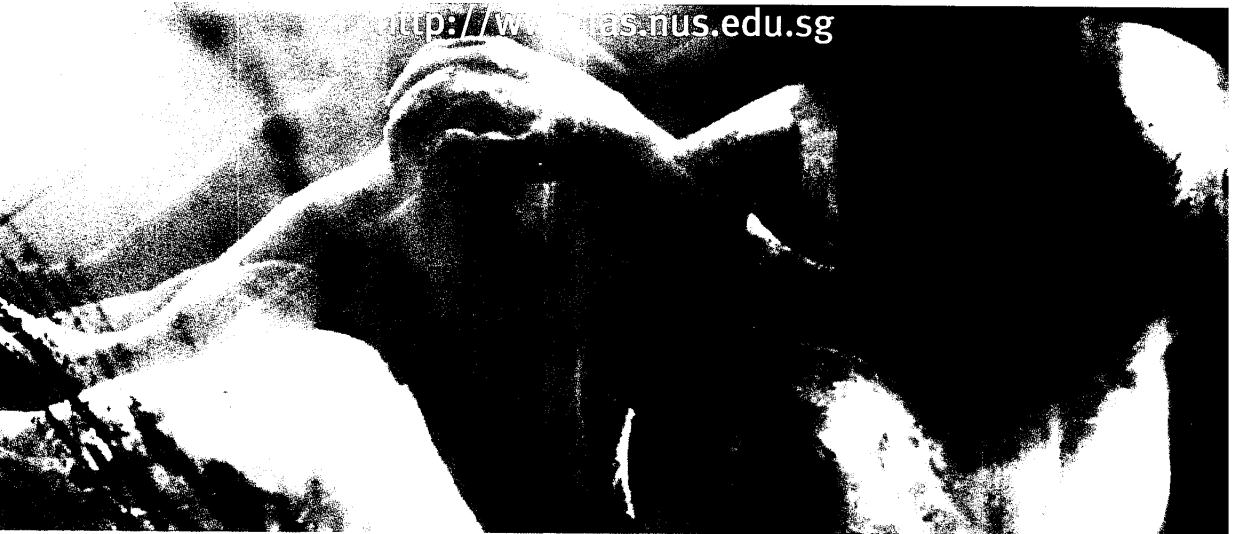
Our athletes all geared up for the competition held on campus.

TO JURONG

NUS MAP

(correct as at 1 August 2002)





FACULTY OF ARTS AND SOCIAL SCIENCES

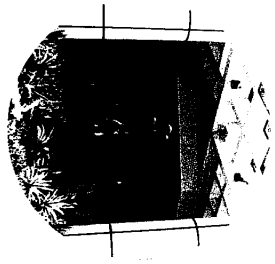
THE FACULTY OF ARTS AND SOCIAL SCIENCES (FASS) is one of the earliest established faculties in the University, with its origins dating back to the founding of Raffles College in 1928. Today, the FASS is the largest faculty at NUS, with more than 5,500 undergraduates and over 550 faculty members, professional and administrative staff.

Course

Arts and Social Sciences

Degrees

- Bachelor of Arts
- Bachelor of Arts (Honours)
- Bachelor of Social Sciences (Honours)



*Connecting to the world
online is part and parcel
of FASS life.*



*Active learning develops
critical thinking in a FASS
classroom.*

THE ARTS AND SOCIAL SCIENCES COURSE

Besides the University requirements, all FASS undergraduates must meet the following requirements to graduate.

Faculty requirement

Undergraduates must pass four exposure modules, with at least one module from each division. Such exposure modules must not form part of the undergraduate's major.

Major requirement

All undergraduates will enrol in a four-year programme leading to the honours degree in a single major. Those who choose not to complete or do not complete the honours requirements may graduate with a Bachelor of Arts degree in a single major or a shared major that consists of any two subjects offered by the faculty.

Unrestricted electives outside the major

Undergraduates can pursue modules of their interest, outside of their majors, to fulfil this requirement.

Duration

Under the modular system, eligible students can normally qualify for the Bachelor of Arts (Honours) degree or the Bachelor of Social Sciences (Honours) degree within a flexible period of four years, and the Bachelor of Arts degree in three years.

DIVISIONS & DEPARTMENTS

The FASS is organised into three divisions under which 14 departments and programmes offer 20 undergraduate subjects.

Divisions	Departments and Programmes	Subjects
Asian Studies	Department of Chinese Studies Department of Japanese Studies Department of Malay Studies South Asian Studies Programme Southeast Asian Studies Programme	- Chinese Language - Chinese Studies - Japanese Studies - Malay Studies - South Asian Studies - Southeast Asian Studies
Humanities	Department of English Language and Literature Department of History Department of Philosophy Department of Economics Department of Geography Department of Political Science Department of Social Work and Psychology	- English Language - English Literature - Theatre Studies - History - Philosophy - Economics - Geography - Political Science - Psychology - Social Work
Social Sciences	Department of Sociology Information and Communications Management Programme	- Sociology - Information and Communications Management

Cross-departmental Programmes	Subjects
European Studies Programme American Studies Programme	- European Studies - American Studies
Centre	Subjects
Centre for Language Studies	- Language instruction in Chinese, French, German, Indonesian, Japanese, Malay, Tamil, Thai and Vietnamese



Subjects

- American Studies
- Chinese Language
- Chinese Studies
- Economics
- English Language
- English Literature
- European Studies
- Geography
- History
- Information and Communications Management
- Japanese Studies
- Malay Studies
- Mathematics
- Philosophy
- Political Science
- Psychology
- Social Work
- Sociology
- South Asian Studies
- Southeast Asian Studies
- Statistics
- Theatre Studies

Prerequisites

A good pass in the General Paper:
 A good 'O' level pass or equivalent in Higher Chinese, or an 'AO' level pass or equivalent in Chinese. Preference will be given to those with a good 'A' level pass or equivalent in Higher Chinese or Chinese.
 A good 'O' level pass or equivalent in Higher Chinese, or an 'AO' level pass or equivalent in Chinese. Preference will be given to those with a good 'A' level pass or equivalent in Higher Chinese or Chinese.
 A student who proposes to read Economics will be admitted subject to availability of places. However, preference will be given to students with a good grade in GCE 'A' level Economics.
High proficiency in the English language, with a good pass in the General Paper or a pass in the Qualifying English Test conducted by the University.
 A good pass in the General Paper, or a pass in the Qualifying English Test conducted by the University, or comparable qualifications such as a good grade in Literature at the 'O' or 'A' levels or equivalent.
Good 'A' level results or equivalent including the General Paper and a keen interest in the subject. Previous knowledge of French or German is not required as both will be taught as part of the curriculum.
Strong interest in Geography and a good command of English.
 Good 'O' and/ or 'A' level passes or equivalent in History, or good 'A' level passes or equivalent including the General Paper and a keen interest in the subject.
 Good 'A' level results or equivalent and a keen interest in the subject.
Keen interest in the subject. Students are not expected to have studied Japanese but for those who have, placement tests will be conducted to enable them to pursue language modules appropriate for their level.
 Good 'O' level pass or equivalent in Higher Malay or an 'A' or 'AO' level pass or equivalent in Malay. Those with an 'O' level pass or equivalent in Malay may, at the discretion of the Head of Department, be allowed to major in Malay Studies or obtaining a pass in the departmental language test.
 An 'AO' level pass or equivalent in a mathematics subject or its equivalent (e.g. an 'O' level pass or equivalent in Additional Mathematics).
No entry requirement to read Philosophy.
 A good pass in the General Paper and other related subjects, and an interest in current affairs.
 Good 'A' level passes or equivalent and at least an 'O' level pass or equivalent in Mathematics.
 An aptitude and a strong interest in working with people, and good 'A' level results or equivalent.
Strong interest in the subject and good 'A' level results or equivalent including the General Paper.
 Good 'A' level results or equivalent including the General Paper and an interest in the region. No prior knowledge of the region is required.
 Good 'A' level results or equivalent.
An 'AO' level pass or equivalent in a mathematics subject or its equivalent (e.g. an 'O' level pass or equivalent in Additional Mathematics).
 A good pass in the General Paper or a pass in the Qualifying English Test conducted by the University.

Philosophy students read modules such as Moral Philosophy, Classical Confucianism and Daoism, and Continental European Philosophy. The study of Philosophy cultivates critical and analytical thinking skills. Seen here are Aristotle and Plato in logical debate.



The discipline of Economics is the key to an understanding and analysis of economies and their constituent components. Rigour of analysis, empirical validation of economic hypotheses and contributions to business and public policy have been the main pillars on which the discipline's reputation has been built.

Note:

- Successful applicants for the Arts and Social Sciences course must still register with their faculty to read the subjects of their choice
- Before applying for admission to the Arts and Social Sciences course, all applicants, local and international, are strongly advised to check with the departments concerned with regard to their eligibility to enroll in the subjects that interest them. Students are not automatically allowed to read the subjects of their choice. The final choice of subjects must be made in accordance with the stipulated prerequisites, conditions and priorities.
- Mathematics may not be offered in conjunction with Statistics.
- American Studies is not available as a major.

EXCELLENT LEARNING ENVIRONMENT

At the FASS, you can expect:

- the highest standards of teaching in the humanities and social sciences
- excellence and integrity in research
- a concerted effort to nurture in all students the spirit of critical thinking and lifelong learning

The faculty has excellent facilities. Its modern and comfortable lecture theatres and seminar rooms are all equipped with state-of-the-art multimedia teaching aids and the latest teaching technologies. Through video conferencing, undergraduates can sit in on lectures and participate in discussions held elsewhere in the world.

ENRICH YOURSELF AT THE FASS

Expect a rich spread of activities at the FASS: stimulating lectures and tutorials, exciting ideas advanced at seminar discussions, new insights gleaned from field trips and laboratory sessions, interesting cultural and social events, music and theatre, and more. All these activities make undergraduate life at the faculty both challenging and exciting, and provide undergraduates with a more meaningful stay at NUS.

All FASS undergraduates are automatically members of the Arts Club, which acts as a liaison between the Deanship and undergraduates. There are also 14 other student societies affiliated to the faculty.

*Always inspiring towards
greater achievements
- the Arts Club shows us how.*



*FASS undergraduates enjoy
fall enriching experiences in
their years here.*

- Arts Bytes
- Chinese Studies Society
- Economics and Statistics Society
- European Studies Society
- Geographical Society
- History Society
- Japanese Studies Society
- Literary Society
- Malay Studies Society
- Political Science Society
- Social Work and Psychology Society
- Sociology Society
- South Asian Studies Society
- Southeast Asian Studies Society

EXCITING CAREER PROSPECTS

The faculty's emphasis on critical thinking and analytical skills has helped produce graduates with good communication skills and a strong capacity for research. These qualities are highly valued by major organisations and employers.

FASS graduates are positioned for a wide range of employment opportunities in the public and private sectors including:

- careers in government ministries and statutory boards
- teaching and academic careers
- advertising, marketing, corporate communications and events management
- print and broadcast journalism
- economic and urban planning
- tourism planning

- transport planning
- arts and cultural industries

Enquiries on course details

Undergraduate course details are available at the faculty website. Please also refer to the frequently asked questions and answers at www.fas.nus.edu.sg/undergrad/info/info_services.htm#faq. If you have further questions concerning course details, please send an email to fashelp@nus.edu.sg.

To apply for undergraduate admission

Please refer to the "Admission Criteria and Application Procedures" section in this application, or visit www.nus.edu.sg/admissions/undergrad/.

To apply for graduate admission

Please contact:
Division of Research and Graduate Studies
Deans Office

Faculty of Arts and Social Sciences
National University of Singapore
Shaw Foundation Building
AS7, Level 6, 5 Arts Link
Singapore 117570

Telephone : (65) 6874 6164 / 8033 / 8036
Facsimile : (65) 6773 6878
Email : fasbox3@nus.edu.sg (research)
: fasbox4@nus.edu.sg (coursework)
Website : www.fas.nus.edu.sg/grad/introduction/intro.htm



<http://www.bschool.nus.edu.sg>

SCHOOL OF BUSINESS

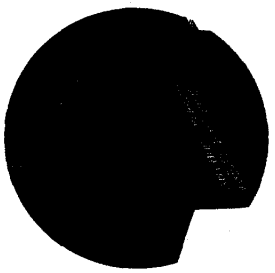
NUS BUSINESS SCHOOL (BIZ) seeks to be the best business school in Asia, with a world-class reputation for high-quality education and research. The School provides a rigorous, relevant, and rewarding business education that develops leaders for the global market place. More than 23,000 have graduated from its various degree programmes since 1965.

Course

Business Administration

Degrees

- Bachelor of Business Administration
- Bachelor of Business Administration (Honours)



EXCELLENT LEARNING ENVIRONMENT

Ninety per cent of the faculty members at NUS Business School hold doctoral degrees from top universities in the world – one of the highest concentrations among universities worldwide. Along with a well-designed curriculum and a modern and conducive learning environment, the school is set to provide undergraduates with an education that maximises their potential and prepares them fully for the complex needs of the new economy.

DEPARTMENTS

- Business Policy
- Decision Sciences
- Finance and Accounting
- Management and Organisation
- Marketing

THE BACHELOR OF BUSINESS ADMINISTRATION (B.B.A.) PROGRAMME

THE BACHELOR OF BUSINESS ADMINISTRATION (HONOURS) [B.B.A. (HONOURS)] PROGRAMME

NUS Business School awards both the B.B.A. and the B.B.A. (Honours) degrees. The B.B.A. programme requires undergraduates to take 30 modules (120 modular credit units) to graduate. Qualified undergraduates are encouraged to opt for the B.B.A. (Honours) programme, which requires 40 modules (160 modular credit units) to graduate. The streaming of qualified B.B.A. undergraduates into the B.B.A. (Honours) programme will be carried out after the undergraduates have completed the 14 foundation modules. Students cannot apply for direct admission to the B.B.A. (Honours) programme.

Key features of the B.B.A. programme include:

- a broad-based curriculum
- a strong focus on practical relevance and academic rigour
- an emphasis on quantitative and qualitative training
- development of leadership potential
- enrichment through non-curriculum based programmes to cultivate good corporate citizenship and social responsiveness
- a global perspective with an Asian focus
- interdisciplinary areas of study
- career services including internships, placements, career development workshops and seminars

Eligible undergraduates are entitled to advanced placements and participation in the Accelerated Master's programme.

STUDENT EXCHANGE PROGRAMME

NUS Business School enjoys an active student exchange programme with many renowned universities in Asia, Europe and North America. Under this programme, undergraduates can spend one or two semesters abroad to gain international experience and establish personal networks.

NUS STUDENTS' BUSINESS CLUB

All business administration undergraduates are automatically members of the NUS Students' Business Club. This club acts as a liaison between the deanery and undergraduates, and provides a wide range of co-curricular activities that make undergraduate life more fun and fulfilling.



A THRIVING RESEARCH ENVIRONMENT

NUS Business School publishes the *Asia Pacific Journal of Management*, the *Asian Case Research Journal*, and the *Asian Journal of Marketing*. It also maintains bilateral exchanges of working paper series and case collection series with over 40 renowned universities worldwide. Its faculty members contribute regularly to top international journals. They also sit on the editorial boards of numerous international journals, and academic and professional associations. The School is active in organising international conferences and hosting eminent visiting scholars. Research centres and applied research programmes established by the School include:

- Corporate Governance and Financial Reporting
- e-Business
- Singapore Service Quality Index

EXECUTIVE TRAINING AND DEVELOPMENT

NUS Business School conducts a wide range of English and Chinese executive programmes, including joint programmes with prestigious universities such as Stanford University. The School also runs several customised training programmes for multinational corporations and government-linked companies. Its involvement in executive training and development bears testimony to its active links with industry.

EXCELLENT CAREER PROSPECTS

NUS Business School counts among its graduates, chief executive officers of multinational corporations in a diverse range of industries. Those graduating with the B.B.A. degree will find themselves in demand by employers worldwide.

Degree	Duration	Concentrations	Prerequisites
Bachelor of Business Administration	2 - 3 years	<ul style="list-style-type: none"> ▪ Finance ▪ Operations and Supply Chain Management ▪ Management ▪ Marketing 	<ul style="list-style-type: none"> ▪ Good 'A' level passes or equivalent ▪ At least a good 'A/O' level pass or equivalent in Mathematics and/or a good 'O' level pass or equivalent in Additional Mathematics
Bachelor of Business Administration With Honours	3 - 4 years	<ul style="list-style-type: none"> ▪ Finance ▪ Operations and Supply Chain Management ▪ Management ▪ Marketing 	<ul style="list-style-type: none"> ▪ Outstanding academic performance in the 14 foundation modules



Business students excel at international case competitions. Seen here is the undergraduate team which clinched top honours at the Scotiabank International Case Competition, Canada, in 2001. Standing second from right is the faculty adviser.

Enquiries on course details

Undergraduate course details are available at www.bschooll.nus.edu.sg. If there is any question concerning such details, please send an email to bizmahys@nus.edu.sg.

To apply for undergraduate admission

Please refer to the "Admission Criteria and Application Procedures" section in this publication, or visit www.nus.edu.sg/admissions/undergrad/.

Enquiries on graduate programmes by coursework

- For Master of Business Administration (MBA), email: nusmba@nus.edu.sg.
- For Asia-Pacific Executive MBA (English), email: apexmba@nus.edu.sg.
- For Asia-Pacific Executive MBA (Chinese), email: embac@nus.edu.sg.
- For NUS-PKU International MBA, email: imbac@nus.edu.sg.

Enquiries on graduate programmes by research

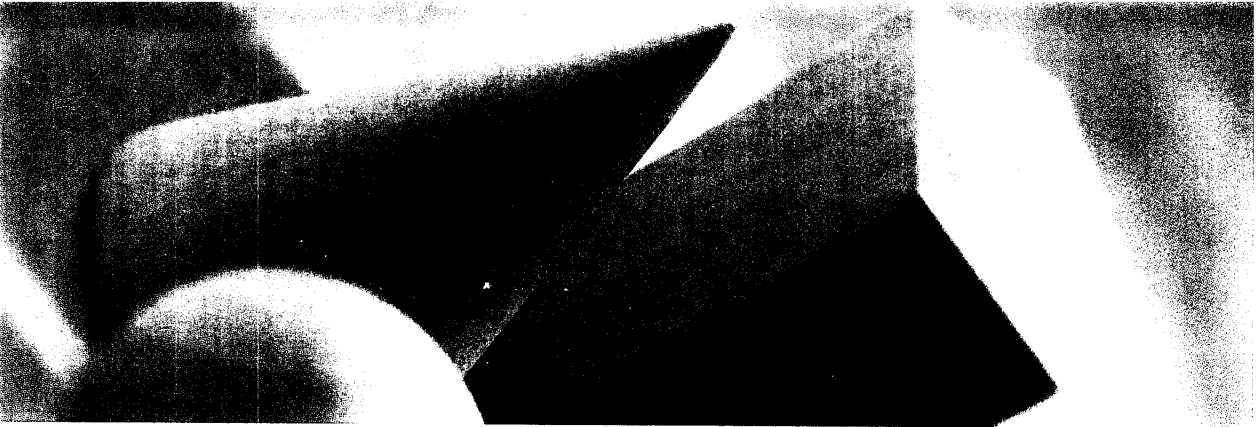
For Master of Science (Management) and Doctor of Philosophy, email: phdenquiry@nus.edu.sg.

Enquiries on executive programmes

For both English and Chinese Executive Programmes, email: exec_edu@nus.edu.sg.

Other enquiries

Email: askbiz@nus.edu.sg



SCHOOL OF DESIGN AND ENVIRONMENT

THE SCHOOL OF DESIGN AND ENVIRONMENT (SDE) has produced more than 3,300 graduates who play an important role in shaping the built environment of Singapore. They include chief executives of major construction and real estate companies and multinational corporations; heads of public sector organisations; and academics at institutions of higher learning.

Courses

Architecture

Building and
Real Estate

Industrial Design

Degrees

▪ Bachelor of Arts (Architecture) (Honours)

▪ Bachelor of Building (Construction Management and Economics) (Honours)*

▪ Bachelor of Science (Building) (Honours)

▪ Bachelor of Science (Real Estate) (Honours)

▪ Bachelor of Real Estate (Property Management) (Honours)*

▪ Bachelor of Real Estate (Valuation) (Honours)*

▪ Bachelor of Arts (Industrial Design) (Honours)

*Part-time programmes





DEPARTMENTS

- Architecture
- Building
- Real Estate

EXCELLENT LEARNING ENVIRONMENT

The School receives positive feedback regularly from external examiners, visiting academics and employers on the structure and contents of SDE's courses, the systems and procedures for course management, the standards attained by students, and the performance of its graduates.

The School's laboratories are equipped with innovative facilities for research in acoustics, building services, fire safety, indoor air quality, lighting, materials, structures, surveying, thermal effects and wind effects.

THE BACHELOR OF ARTS (ARCHITECTURE) (HONOURS) [B.A. (ARCH.) (HONOURS)] PROGRAMME

This four-year direct honours programme provides the foundation for undergraduates to further their studies in professional courses leading to the practice of architecture, planning, urban design, landscape architecture and other related areas and professions. It is also designed to operate as a stand-alone undergraduate programme.

The B.A. (Arch.) (Honours) programme operates under a modular system, with core design modules supported by a range of essential modules. Graduates may pursue a Master of Architecture degree or other graduate degrees.

THE BACHELOR OF ARTS (INDUSTRIAL DESIGN) (HONOURS) [B.A. (IND. DESIGN) (HONOURS)] PROGRAMME

This four-year direct honours programme is supported by the expertise and strengths of the NUS Business School, the School of Design and Environment and the Faculty of Engineering. It brings together in a powerful and exciting synergy, the creative and imaginative approach to design, the precise and rigorous methodology of engineering, and the entrepreneurial and organisational outlook of marketing and management.

This undergraduate programme is unique in its pedagogic emphasis on systems thinking. It focuses on the design of integrated and extensible systems such as workplace systems, building and environmental control systems, transport systems, and medical and health care systems.

The B.A. (Ind. Design) (Honours) programme also operates under a modular system, with core design modules supported by a range of essential modules. Students will also have the opportunity to participate in the Student Exchange Programme during their third year of study.

THE BACHELOR OF SCIENCE (BUILDING) (HONOURS) [B.SC. (BUILDING) (HONOURS)] PROGRAMME

This programme equips students with proficient knowledge of construction materials, techniques and systems, cost and revenue implications of building forms, legal issues, contractual procedures for construction projects, quantity surveying and management of the construction process. Students undergo practical training, arranged by the department, to gain industrial experience.

The B.Sc. (Building) (Honours) programme is recognised by the Commonwealth Association of Surveying and Land Economy and accredited by the Singapore Institute of Surveyors and Valuers, and the Royal Institution of Chartered Surveyors, UK. Graduates are able to practice in any Commonwealth country as professional quantity surveyors. This programme is also recognised by the Singapore Institute of Building and accredited by the Chartered Institute of Building, UK.

THE BACHELOR OF SCIENCE (REAL ESTATE) (HONOURS) [B.SC. (REAL ESTATE) (HONOURS)] PROGRAMME

This programme imparts knowledge on issues concerning the development, ownership and management of real estate. These issues fall in three core areas, which also indicate the major career options for graduates: real estate space and asset market; real estate development and valuation; and urban planning and management. This programme operates under a modular system. Students undergo practical training, arranged by the department, to gain industrial experience. The department arranges suitable placements for students, including placements with overseas organisations.

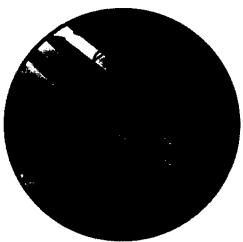
The B.Sc. (Real Estate) (Honours) programme is recognised by the Commonwealth Association of Surveying and Land Economy and accredited by the Singapore Institute of Surveyors and Valuers and the Royal Institution of Chartered Surveyors. UK. Graduates will thus be able to practice in any Commonwealth country.

PART-TIME UNDERGRADUATE PROGRAMMES

- Bachelor of Building (Construction Management and Economics) (Honours)
- Bachelor of Real Estate (Property Management) (Honours)
- Bachelor of Real Estate (Valuation) (Honours)

A distinguishing feature of these programmes is online-teaching, which allows students to study at their own pace and convenience. Small-group learning is also emphasised.

Degree	Normal Duration	Major Subjects	Prerequisites
Bachelor of Arts (Architecture) (Honours)	4 years	<ul style="list-style-type: none"> • Architectural Design • History and Theory of Architecture • Theory of Urban Design • Architectural Technology • Theory of Landscape Architecture 	<ul style="list-style-type: none"> • 'A' level passes or equivalent • A good 'AO' level pass or equivalent in Mathematics or a science subject (except Biology, Botany, Geology or Zoology)
Bachelor of Arts (Industrial Design) (Honours)	4 years	<ul style="list-style-type: none"> • Design • History and Theory of Industrial Design • Engineering and Technology • Marketing and Management 	<ul style="list-style-type: none"> • Good 'A' level passes or equivalent • A good 'AO' level pass or equivalent in Mathematics or a science subject (except Biology, Botany, Geology or Zoology)
Bachelor of Science (Building) (Honours)	4 years	<ul style="list-style-type: none"> • Total Building Performance • Construction and Project Management • Construction Economics • Quantity Surveying 	<ul style="list-style-type: none"> • Good 'A' level passes or equivalent • An 'AO' level pass or equivalent in Mathematics or a science subject (except Biology, Botany, Geology or Zoology)
Bachelor of Science (Real Estate) (Honours)	4 years	<ul style="list-style-type: none"> • Real Estate Space and Asset Market • Real Estate Development and Valuation • Urban Planning and Management 	<ul style="list-style-type: none"> • Good 'A' level passes or equivalent • An 'AO' level pass or equivalent in Mathematics or a science subject (except Biology, Botany, Geology or Zoology)



Undergraduates in the building programme have access to state-of-the-art laboratories and equipment. Seen here is the Mass Spectrometer device in the Indoor Air Quality Laboratory.

EXCELLENT CAREER PROSPECTS

Most B. A. (Arch) (Honours) and Master of Architecture graduates become architects. They join architectural firms or architectural departments of government or statutory boards. There are also career opportunities in related fields such as interior design, industrial design, graphic design and project management. Master of Architecture graduates with at least two years of relevant practical experience can sit for the Professional Practice Examination conducted by the Singapore Board of Architects.

Building graduates play an important role in the construction industry in Singapore and the region. Career opportunities exist in client, consultant and contracting organisations, both in the public and private sectors, where they work as project managers, quantity surveyors and building performance specialists, among other positions.

Real Estate graduates play an important role in shaping the real estate industry and the built environment in Singapore and the region. Career opportunities are available in both public and private sector organisations, which own, develop, use or manage property.

Degree	Normal Duration	Major Subjects	Prerequisites
Bachelor of Building (Construction Management and Economics) (Honours)*	4 years	<ul style="list-style-type: none"> ▪ Construction Technology ▪ Construction Economics ▪ Measurement of Construction Works ▪ Administration of Construction Contracts ▪ Construction Law 	<ul style="list-style-type: none"> ▪ Diploma or equivalent in Building, Real Estate, or Engineering and at least 2 years of relevant industrial experience or ▪ Diploma or equivalent in Business Studies but candidate must have had a period of building and real estate related work experience
Bachelor of Real Estate (Property Management) (Honours)*	4 years	<ul style="list-style-type: none"> ▪ Building Technology ▪ Urban Economics and Planning ▪ Property Management and Marketing ▪ Real Estate Finance and Investment ▪ Property Law ▪ Valuation ▪ Quantitative Studies 	<ul style="list-style-type: none"> ▪ Diploma or equivalent in Building, Real Estate, or Engineering and at least 2 years of relevant industrial experience or ▪ Diploma or equivalent in Business Studies but candidate must have had a period of building and real estate related work experience
Bachelor of Real Estate (Valuation) (Honours)*			

Enquiries on course details

Undergraduate course details are available at the school website. If you have questions concerning such details, please send an email.

- Architecture and Industrial Design : akisec@nus.edu.sg
- Building : bdgsec@nus.edu.sg
- Real Estate : rstsec@nus.edu.sg

To apply for undergraduate admission

Please refer to the "Admission Criteria and Application Procedures" section in this publication, or visit www.nus.edu.sg/admissions/undergrad/.



Architecture undergraduates before a critique session at one of the design studios.

To apply for part-time undergraduate admission

Please contact:

School of Design and Environment
National University of Singapore
4 Architecture Drive
Singapore 117566
Email : bdgtohcd@nus.edu.sg

[for B.Building (Construction Management and Economics)]
: rstjlk@nus.edu.sg
[for B.R.E.(Property Management) and B.R.E.(Valuation)]
Website : www.sde.nus.edu.sg

To apply for graduate admission

Please contact:

Division of Research and Graduate Studies
School of Design and Environment
National University of Singapore
4 Architecture Drive
Singapore 117566
Facsimile : (65) 6776 3190
Email : sdech@nus.edu.sg (coursework)
sdesle@nus.edu.sg (research)
Website : www.sde.nus.edu.sg/acad/graduate.html



The **University**
of the **Philippines**



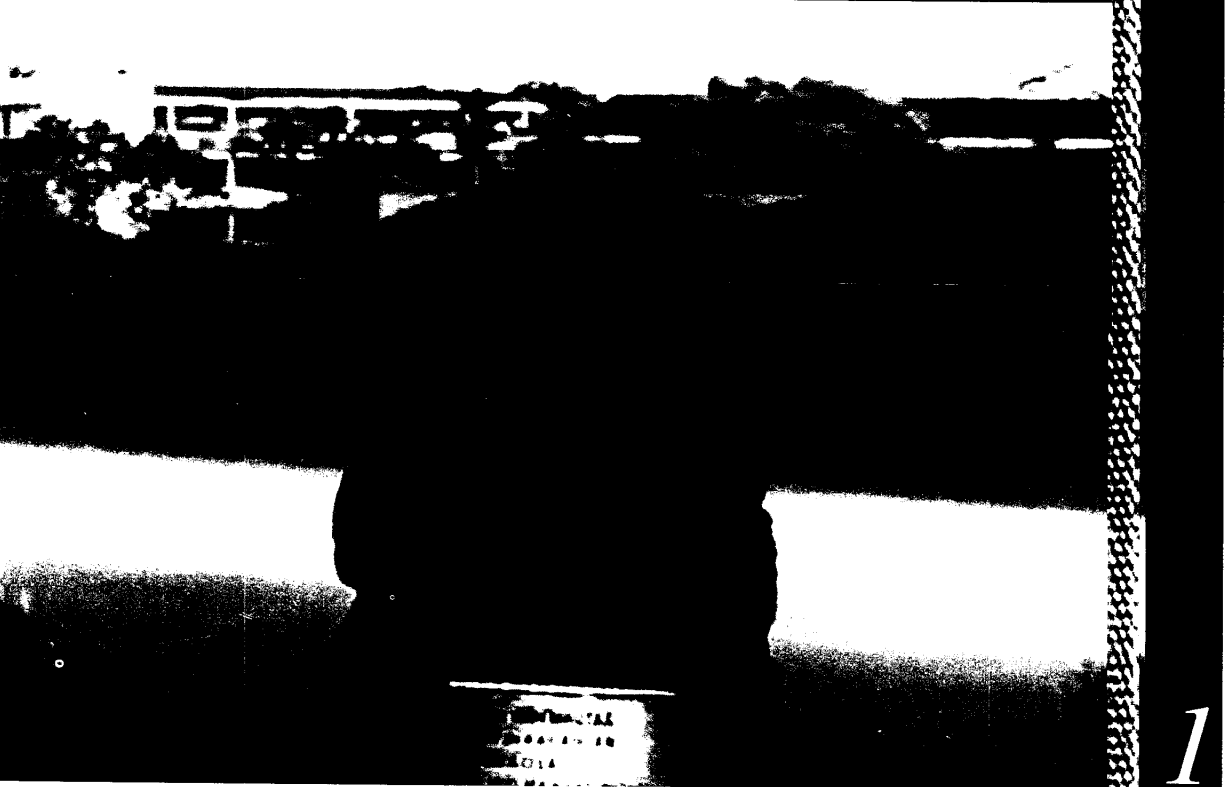
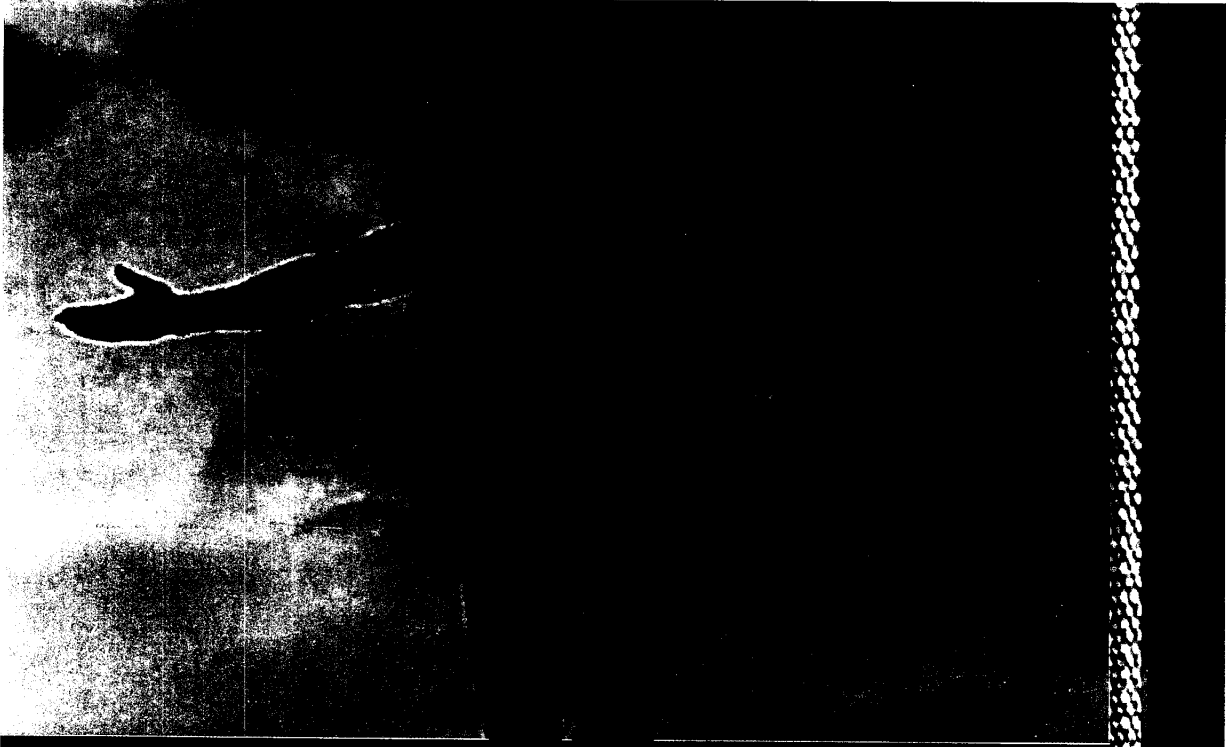
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here is one role the profit-oriented knowledge institutions cannot perform: the university as a “center of wisdom,” where **wisdom** is understood as the capacity to use one’s knowledge and experience to arrive at a good judgment or a sound decision; where **wisdom** means the foresight and concern for the next generations.

“Only an authentic university has the organization, scope of learning and academic freedom to nurture wisdom. Wisdom entails the critical analysis and assessment of specialized fragments of knowledge and the integration and synthesis of knowledge across disciplines. The interaction of numerous disciplines and the ensuing intellectual debates can turn a campus into a hothouse for germinating wisdom. The interaction of students and faculty can ignite intellectual ferment that will expand, deepen, and spread wisdom throughout the country.”

*Francisco Nemenzo
18th UP President*







The University of the Philippines

A multidisciplinary university rooted in the nation's rich heritage yet global in perspective.

As the country's premier university, UP treasures its institutional autonomy and nurtures excellence in a climate of academic freedom. It instills in its faculty and students passion for truth, devotion to the rigors of scholarship and sensitivity to the social environment.

This strong liberal tradition, the legacy UP bequeaths to its graduates, has produced leaders not only in government, industry and education but also in social revolutionary and national liberation movements.

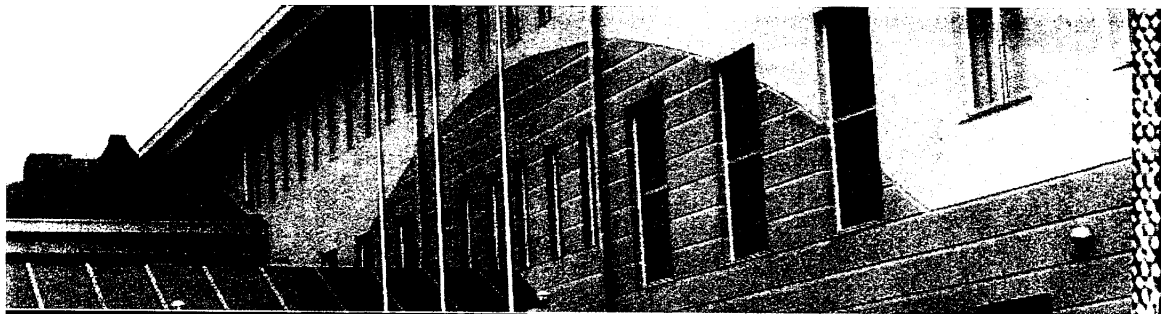
UP is international in character. It has faculty and student exchange programs with universities in the United States, Canada, Germany, Finland, Sweden, Australia, Japan, South Korea, China and Singapore. It has joint researches with major research institutions in the United States, Japan and South Korea. It promotes Southeast Asian regional studies in consortium with its Southeast Asian counterparts.

Aware that intellectual capital is a nation's most valuable asset today, UP is retooling itself to keep pace with developments in the production of global knowledge. It is modernizing its libraries, computerizing its operations and netlinking its buildings and campuses to equip faculty, students and staff with the means to meet the challenges of the 21st century.

UP is committed to raise the nation's capability to enter the global arena without sacrificing its integrity. This is why it gives equal importance to the continued enrichment of Filipino culture and the strengthening of civic virtues.

2

the university of the philippines



Imagine logging online instead of talking in line everytime you settle fees. Or better yet, imagine yourself retrieving assignments from your e-mail address in a centralized computer located at a certain area in your college. Pretty soon, this and more will become part of everyone's campus life as UP lays the groundwork for intercampus networking and communications. Generally seen as a breakthrough in instruction, the Intercampus Networking and Communications Program (INCP) aims at establishing a learning and attendant service infrastructure beyond the boundaries of the traditional classroom, laboratory and library setting.



The program is a campus-wide, high-speed backbone network which uses both an advanced, state-of-the-art, networking technology called Asynchronous Transfer Mode (ATM), and a popular technology called Ethernet. Both technologies run on an underground network of fiber-optic cables between buildings and on copper cables inside buildings. The network backbone is powerful enough to provide not only e-mail, file transfer, World-Wide Web access, and a host of other network services to both local sites and to the internet but video teleconferencing as well.



The National Institutes of Molecular Biology and Biotechnology

Established in 1994, the Network of National Institutes of Molecular Biology and Biotechnology was established out of existing biotechnology institutes in the UP System; UP Diliman, UPLB, UP Manila and UP Visayas. The network, a National Center of Excellence in the field, also conducts both research and extension work. In addition, the NIMBB of UP Diliman has the distinction of offering the first degree program in molecular biology in the country.

Technology Management Center

The Technology Management Center is the only institution in the country offering degree programs in technology management. Technology management refers to the ability to generate, acquire, adapt, assimilate, replicate, improve, and master technology as to forecast, plan and assess technological innovations. Research and educational institutions for this interdisciplinary program have been established in advanced countries during the past 15 years and have been proven to be very useful in addressing overall technology management needs.



Open 'til midnight

The UP Diliman Main Library General Reference Reading Room which houses general reference books, periodicals, internet, CDs and Open Public Access Catalogue (OPAC) units, extends its services until 12:00 midnight from Mondays to Fridays.

Reservation requests are also being accepted through fax (920-5396) and e-mail (rica@mainlib.upd.edu.ph). Readers may borrow up to two book titles and two serial items from each library section every night.

At present, plans are being studied for the implementation of a 24-hour library service.



BRAIN power



UP trains the best minds in the country. It offers both undergraduate and graduate students the opportunity to design their own future by choosing from a broad range of academic programs what sparks their interest, challenges their creativity, hones their analytical skills and helps them meet their career goals.

Students can enter the exciting world of information technology through many portals. There are degree programs that teach the deep science of computers and electronic communications, the art of designing for the web and graphics animation, and information production for cyber space.

They can learn to help shape the human and built environment under programs like architecture, urban planning and engineering or help replenish and sustain the environment under programs like fisheries, marine sciences, environmental science and management, forestry among others.

They can study the workings of the human body and learn to diagnose and cure diseases.

They can hone their talents in the various arts like creative writing, the fine arts, music performance and composition, theater arts, and film production.

They can learn how to manage or set up their own businesses.

They can deepen their understanding of human society through the social sciences, literary and art studies, languages or economics.

These are just some of the many gateways to knowledge, wisdom and brighter futures.

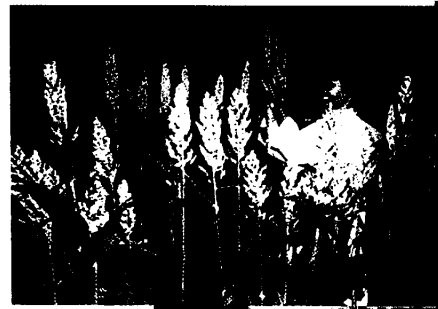
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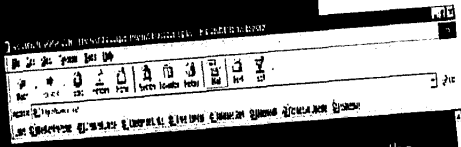
*I*n the ranks of the faculty are national artists, prize-winning writers, renowned scholars and scientists. Except for units that offer only graduate programs, the University does not have separate faculties for undergraduate and graduate students. Undergraduates have access to the best minds in the country.

Highly-skilled practitioners teach in the professional colleges. They keep the students updated on the latest developments in their fields.

Faculty members are also actively engaged in pioneering researches that have helped redefine academic directions, generate new knowledge and shape national policies.

the faculty





"I see the computerization program as the trigger for a genuine cultural revolution in the University of the Philippines. It will force everyone to learn new and more efficient ways of doing things. It will help de-bureaucratize the UP bureaucracy. It will open up spaces for creative faculty and students to express their ingenuity and inventiveness. By consigning to smart machines the mechanical aspects of thinking, we can hasten and deepen the learning process. My dream is for every UP student to be computer- and internet-literate."



The liberal arts component of its undergraduate programs gives UP education its distinct character.

Whether majoring in physics or business, in engineering or sociology, in community development or agriculture, in molecular microbiology or economics, in forestry or the arts, students devote two years of their undergraduate life to general education (GE) courses in the humanities, social sciences and natural sciences. The GE program teaches students how to think and how to reason. It instills in them the value of learning for life.

There are no walls between disciplines in the GE program. Professors known for their breadth of knowledge and ability to synthesize teach the synoptic courses. Students imbibe a multidisciplinary perspective that makes them open to innovations and new knowledge and develops in them the capacity to adapt to a fast-changing work environment. They remain teachable even after they have graduated. In the information technology age of constant change and rapid development, this is the edge of a UP education.

UP Press

The UP Press, which just turned 35, is the publishing house for all constituent units of the University. Established in 1965, it publishes and disseminates scholarly works that represent distinct contributions to knowledge in various academic disciplines. And though it gives priority to research-based works on national and social issues, it also accepts a limited number of creative works such as novels, short stories, anthologies and plays. The Press also operates a printery that undertakes the printing requirements of the University.

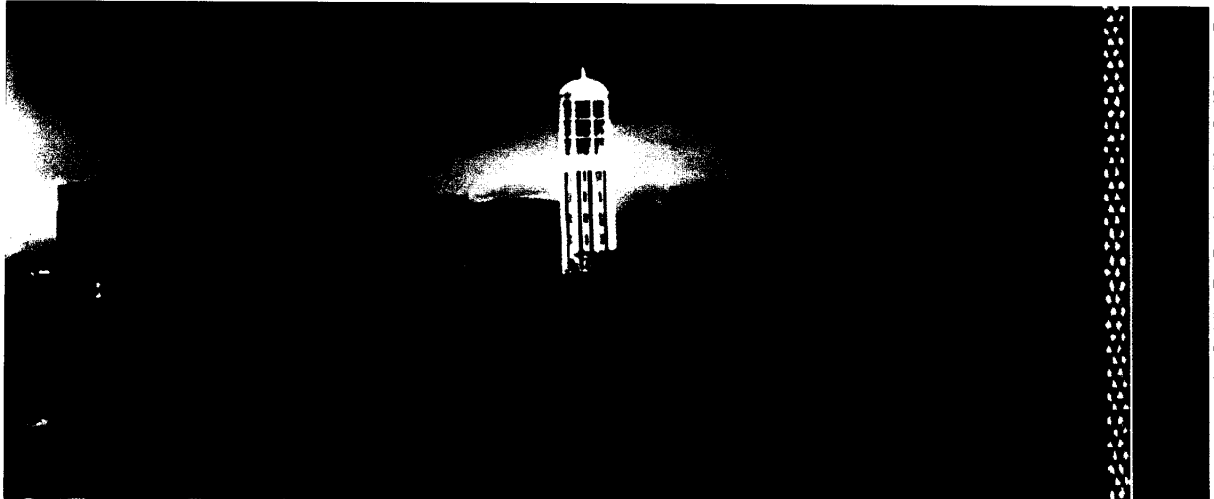
University Center for Integrative and Development Studies (UPCIDS)

The UP CIDS encourages interdisciplinary and integrative studies of critical issues bearing on development policies. It initiates and supports research projects on empirical and theoretical problems at the frontiers of established disciplines, introduces systematic and innovative approaches and methods, and calls for interdisciplinary collaboration. The Center also provides needed support for research into new and challenging areas within disciplines that deserve priority, or of national significance such as marine affairs and disaster management. While public policy questions are of primary concern, the Center likewise encourages basic research that would put scholars and professionals in a better position to address policy issues

making a difference

The GE program provides students solid grounding in Filipino culture. It trains them to be sensitive to their socio-political and cultural environment and sharpens their critical skills to cope with information overload. It develops their capacity to discern from the continuous flow of data which are relevant to Philippine conditions and useful to them as Filipinos. This is what sets UP apart.





UNDERGRADUATE DEGREE PROGRAMS

• BS Accountancy • BS Agribusiness Management • BS Agricultural Chemistry • BS Agricultural Economics • BS Agricultural Engineering • BS Agriculture • BA Anthropology • BS Applied Mathematics • BS Applied Physics • BA Araling Pilipino (*Philippine Studies*) • BS Architecture • BA Art Studies • BA Behavioral Sciences • BS Biochemistry • BS Biology • BA Broadcast Communication • BS Business Administration • BS Business Administration & Accountancy • BS Business Economics • B Business Management • BS Chemical Engineering • BS Chemistry • BS Civil Engineering • BS Clothing Technology • BA Communication Arts • BA Communication Research • BA Community Development • BS Community Development • BS Community Nutrition • BA Comparative Literature • BS Computer Engineering • B Computer Science • BS Computer Science • BS Development Communication • BS Economics • BS Electrical Engineering • BS Electronics & Communications Engineering • D Dental Medicine • BA Development Studies • B Elementary Education • BA English Studies • BA European Languages • BS Family Life & Child Development • BA Filipino • BA Film & Audio Visual Communication • B Fine Arts • BS Fisheries • BS Food Technology • BS Forestry • BS Geodetic Engineering • BS Geography • BS Geology • BA History • BS Home Economics • BS Hotel & Restaurant Administration • BS Human Ecology • BS Industrial Engineering • Industrial Pharmacy • B Interior Design • BA Journalism • B Landscape Architecture • B Library & Information Science • BA Linguistics • BA Literature • BA Malikhanga Pagsulat sa Filipino • BS Management • BA Mass Communication • BS Materials Engineering • BS Mathematics • BS Mechanical Engineering • BS Metallurgical Engineering • BS Mining Engineering • BS Molecular Biology & Biotechnology • B Music • BS Nursing • BS Nutrition • BS Occupational Therapy • BA Organizational Communication • BS Pharmacy • BA Philippine Arts • BA Philosophy • B Physical Education • BS Physical Therapy • BS Physics • BS Physics-Mathematics • BA Political Science • BA Psychology • BS Psychology • BA Public Administration • BS Public Health • B Secondary Education • BA Social Science (Area Studies) • BS Social Work • BA Sociology • BA Spanish • BA Speech Communication • BS Speech Pathology • Sports Science • BS Statistics • BA Theater Arts • BS Tourism • D Veterinary Medicine



MASTERS DEGREE PROGRAMS

• Master in Philippine Studies • MA Asian Studies • MA
 Philippine Studies • MA Archaeology • Master of Science
 in Archaeology • MA Araling Pilipino • MA Art History •
 MA Art Studies • MA Comparative Literature • MA English
 Studies • MA Filipino • MA French Languages • MA
 German • MA Philippine Literature • MA Spanish • MA
 Speech Communication • MA Theater Arts • M
 Architecture • M Landscape Architecture • M Business
 Administration • MA in Education • MA in Teaching •
 Master of Education • Master of Science in Chemical
 Engineering • MS Civil Engineering • MS Computer
 Science • MS Electrical Engineering • MS Energy
 Engineering • MS Environmental Engineering • MS
 Industrial Engineering • MS Materials Science &
 Engineering • MS Mechanical Engineering • MS
 Metallurgical Engineering • MS Remote Sensing • MS
 Water Research Engineering • MS Marine Science
 Engineering • M Fine Arts • M Family Life & Child
 Development • M Food Service Administration • M
 Home Economics • M Interior Design • MS Food
 Science • MS Nutrition • M Physical Education • MS
 Physical Education • MA Broadcast Communication •
 MA Communication • MA Communication Research •
 MA Journalism • M Music • MA Mathematics • MA
 Physics • MS Applied Mathematics • MS Biology •
 MS Chemistry • MS Environmental Science • MS
 Geology • MS Marine Science • MS Mathematics •
 MS Meteorology • MS Microbiology • MS Molecular
 Biology and Biotechnology • MS Physics • M
 International Studies • MA Anthropology • MA
 Demography • MA History • MA Linguistics • MA
 Philosophy • MA Political Science • MA Psychology •
 MA Sociology • MS Geography • MA Women &
 Development • M Community Development • M Social
 Work • MA Islamic Studies • M Library & Information
 Science • M Library Science • M Public Administration
 • M Development Economics • MA Economics • M
 Industrial Relations • M Statistics • MS Statistics • MA
 Urban & Development Planning • MA Urban & Regional
 Planning • M Technology Management • M Management
 • MS Agricultural Education • MS Agronomy • MS
 Animal Science • MS Community Development • MS
 Entomology • MS Extension Education • MS
 Horticulture • MS Plant Breeding • MS Plant Genetic
 Resources • MS Plant Pathology • MS Rural Sociology
 • MS Soil Science • MA Communication Arts • MS
 Agricultural Chemistry • MS Biochemistry • MS Botany
 • MS Chemistry • MS Environmental Science • MS
 Genetics • MS Wildlife Studies • MS Zoology • MS
 Development Communication • MS Agriculture
 Engineering • MS Agrometeorology • MS Agriculture
 Economics • Master of Public Affairs • Master of
 Forestry • MS Forestry • M Professional Studies • MS
 Applied Nutrition • MS Veterinary Medicine • M Clinical
 Audiology • M Rehabilitation Science • MS Dentistry
 • M Orthopaedics • MS Clinical Medicine • MS
 Biochemistry • MS Pharmacology • MS Physiology •
 MS Rehabilitation Medicine • MA Nursing • MA Health
 Policy Studies • M Health Policy Studies • M Hospital
 Administration • M Occupational Health • M Public Health
 • MS Epidemiology • MS Public Health • MS Pharmacy
 • M Health Professions Education • M Aquaculture •
 M Marine Affairs • MS Fisheries • M Nursing • MS
 Environmental Studies • MA Nursing • M Public
 Management • MA Math Education • MA Language &
 Literature • MA Social & Development Studies



the university of the philippines

learning landscape

*T*o be educated in UP is to share in its vibrant cultural and intellectual life.

Learning continues outside the classrooms. There are many forums and discussion groups on a wide range of topics and national issues that broaden minds and shape critical consciousness.

With more than 200 university-based organizations, UP teems with activities that reflect the varied concerns of students. The University Student Council serves as their collective voice in matters affecting the university and the nation.

The Collegian, a student-run weekly paper, has produced nationally renowned journalists. During the years of dictatorship it was the Filipino people's alternative newspaper. Today, it continues to be the venue for free expression and lively exchanges of student views and ideas.

The UP landscape resonates with theater, dance and musical performances, art exhibits, poetry readings and film screenings. Even non-conventional spaces are maximized to give free rein to creativity and innovativeness. Campus artists turn street pavements, building walls, parking lots, the lagoon and sunken garden into sites for their art.

UP is home to the internationally acclaimed UP Madrigal Singers, the UP Concert Chorus, the UP Singing Ambassadors, the Filipiniana Dance Troupe. The Kontemporaryo Gamelan Pilipino, Teatro Mulat, the UP Repertory and Dulaang UP have attracted national and international attention with their ingenious integration of foreign influences and traditional elements to create music and theater art productions that are distinctly Filipino yet modern in spirit.

The UP Creative Writing Center, which prides itself with a roster of multi-awarded artists, conducts workshops for the nation's young and aspiring writers from all over the Philippines. It hosts the annual writers night that attracts the best writers of the country.



DOCTORAL DEGREE PROGRAMS

• Doctor of Philosophy (PhD): Philippine Studies • PhD Communication • PhD Comparative Literature • PhD English Studies • PhD Filipino • PhD Hispanic Literature • Doctor of Business Administration • D. Education • PhD Education • PhD Chemical Engineering • PhD Civil Engineering • PhD Energy Engineering • PhD Environmental Engineering • PhD Materials Science & Engineering • PhD Food Science • PhD Home Economics • PhD Nutrition • PhD Biology • PhD Chemistry • PhD Environmental Science • PhD Geology • PhD Marine Science • PhD Mathematics • PhD Meteorology • PhD Molecular Biology & Biotechnology • PhD Physics • PhD Anthropology and Sociology Education • PhD Anthropology • PhD History • PhD Linguistics • PhD Philippine Studies • PhD Political Science • PhD Psychology • PhD Sociology • Doctor of Public Administration • PhD Economics • PhD Statistics • PhD Urban & Regional Planning • PhD Agricultural Education • PhD Agronomy • PhD Animal Science • PhD Community Development • PhD Entomology • PhD Extension Education • PhD Horticulture • PhD Plant Breeding • PhD Plant Pathology • PhD Soil Science • PhD Agricultural Chemistry • PhD Biochemistry • PhD Botany • PhD Genetics • PhD Microbiology • PhD Development Communication • PhD Agricultural Engineering • PhD Agricultural Economics • PhD Forestry • PhD Applied Nutrition • PhD Nursing • PhD Public Health • PhD Fisheries-Aquaculture

POST-GRADUATE CERTIFICATES

Bachelor of Laws
Doctor of Medicine

GRADUATE PROGRAMS

• Certificate in Theater Arts • Sertipiko sa Malikhang Pagsulat sa Filipino • Certificate in Fine Arts • Certificate in Sports • Certificate in Music • Forest Ranger Certificate • Certificate in Barangay Health Work • Certificate in Community Health Nursing • Certificate in Community Health Work • Certificate in Fisheries • Associate in Arts • Certificate in Proficiency in Orthodontics • Certificate in Mathematics Education • Certificate in Science Education • Certificate in Environmental Resources Management

DIPLOMA PROGRAMS

• Diploma in Archaeology • Diploma in Business Administration • Diploma in Water Resources Engineering • Diploma in Industrial Engineering • Diploma in Remote Sensing • Diploma in Early Child Development • Diploma Physical Education • Diploma in Creative & Performing Music Arts • Diploma in Chemistry • Diploma in Environmental Science • Diploma in Mathematics • Diploma in Meteorology • Diploma in Community Development • Diploma in Social Work • Diploma in Women & Development • Diploma in Public Administration • Diploma in Development Economics • Diploma in Dental Public Health • Diploma in Industrial Relations • Diploma in Urban & Regional Planning • Diploma in Computer Science • Diploma in Electrical Engineering • Diploma in Agroforestry • Diploma in Agriculture • Diploma in Language Studies Education • Diploma in Mathematics Teaching • Diploma in Research & Development Management • Diploma in Science Teaching • Diploma in Social Studies Education • Diploma in Language & Literature



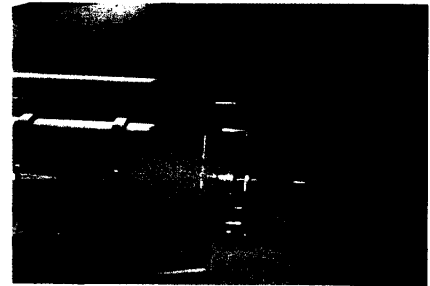
reaching

UP makes significant contributions to the world fund of knowledge through the research efforts of its faculty, research staff and graduate students.

Foreign and locally funded research projects support scientific and technological innovations, generate new knowledge, provide meaningful interpretations of Philippine society and culture, and develop strategies for raising the quality of life of the Filipino people.

Aware that the university is part of the global community of scholars, UP encourages productivity and high quality research by giving generous rewards to faculty and research personnel who publish their research output in international peer-reviewed journals.

quality Research



10 *the university of the philippines*

out

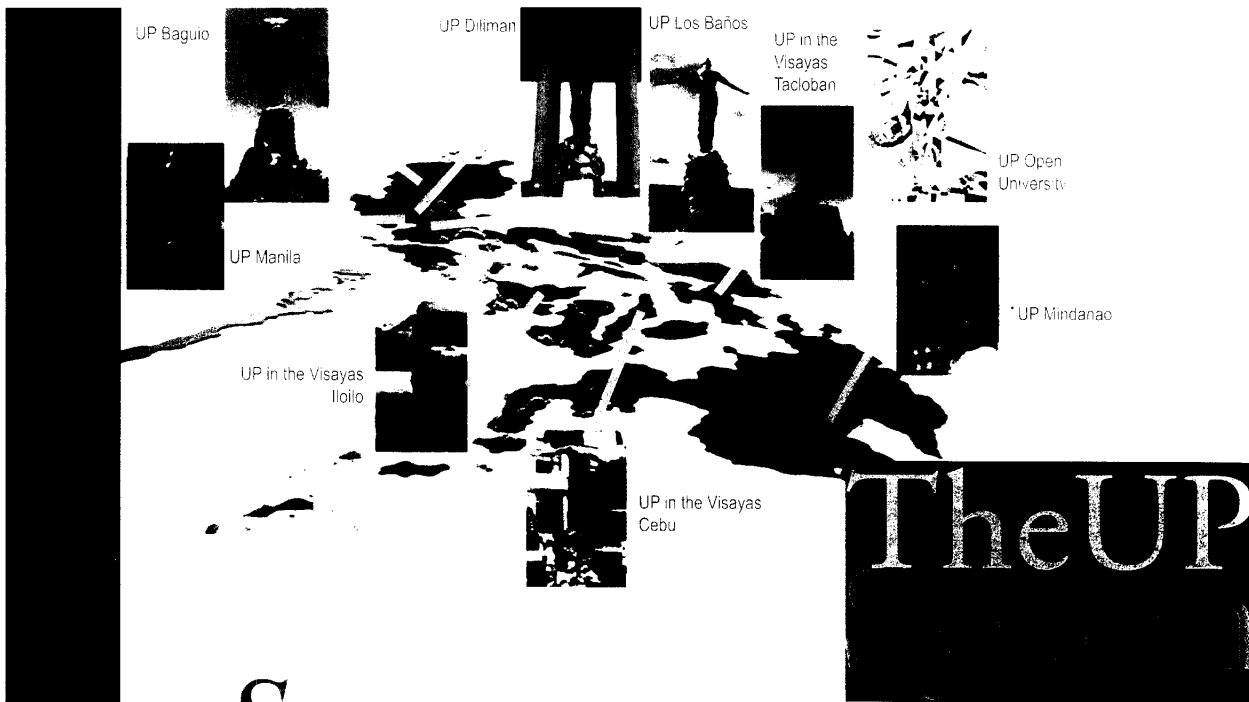


As a state university, UP shares its intellectual resources with the larger society. Through organized extension services, its faculty and students bring their expertise to needy communities and remote areas.

Teacher training programs for public high school teachers are conducted by UP faculty volunteers to help upgrade basic education. Every summer, the College of Social Sciences and Philosophy offers an extramural enrichment program in the social sciences to tertiary level teachers. The UP College of Medicine sends medical missions to poor and under-served communities. The College of Law provides free legal advice and services to the UP community and the general public through its Office of Legal Aid. UP Los Banos equips hill-land farmers with adequate knowledge and technologies on farming and cropping systems and helps strengthen the research and extension capabilities of state colleges and local governments through its Farmer Scientist Training Program. The University Center for Women Studies provides free crisis counseling service to women. The UP Center for Integrative and Development Studies fields interdisciplinary quick response teams to sites of disaster when natural calamities occur. Volunteer work has been institutionalized under the Pahinungod Program.



extension services



Since its founding in 1908, the University of the Philippines has grown into a federation of six constituent universities and one autonomous college. Its eleven campuses are strategically located across the country.

At the helm of the UP System is the President who is elected by, and sits ex-officio in, the Board of Regents. The Board of Regents is UP's highest policy making body. In keeping with UP's democratic ideals, students and faculty have been empowered to elect from among their ranks the Student and Faculty Regents.

The academic leader of each constituent university is the chancellor. The University Councils — with members from assistant professor to university professors — of the constituent units participate actively in the decision-making process of the University.

All constituent universities offer graduate and undergraduate degree courses in the arts and sciences. But each is renowned for its special field.

UP Diliman excels in the arts, social sciences, the natural sciences and the different professional programs such as architecture, engineering, business administration, mass communications and law.

UP Manila has long been known for its excellence in the health and medical sciences. It operates the Philippine General Hospital which serves the medical needs of more than half a million indigent Filipinos annually.

UP Los Baños leads in agriculture, forestry and environmental education and research.

UP Visayas is known for fisheries and the marine sciences.

The UP Open University is the country's pioneer in distance education and open learning.

UP Mindanao and UP College, Baguio service the higher education needs of southern and northern Philippines.



UP the university of the philippines

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PHOTOS
PAGE 12 (from left)
UP campus in Baguio, UP
College of Engineering
Building in UP Diliman,
Baker Hall, UP Los Baños, UP
College of Medicine Building,
Manila

PAGE 13 (from top)
UP in the Visayas' scenic
Miag-ao campus. A statue of
Maria Makiling perched at a
gazebo in the UP Los Baños
campus, a popular landmark in
the UP in the Visayas. Baños
City campus, facade of the UP
Open University Building in
Los Baños

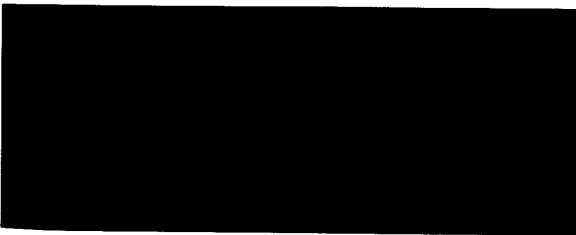


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Visit us at our website:
<http://www.up.edu.ph>





ASIAN INSTITUTE OF MANAGEMENT

**ASIAN INSTITUTE OF MANAGEMENT & WORLD BANK
DEVELOPMENT RESOURCE CENTER**



DEVELOPMENT



RESOURCE CENTER



Delivering Relevant Programs to the Right People



**Enhancing
Development
Through
Information &
Communication
Technology**



ASIAN INSTITUTE OF MANAGEMENT

W. SYCIP GRADUATE SCHOOL OF BUSINESS



Practitioner makes perfect.

Rreal world problems require real world solutions. At the W. SyCip Graduate School of Business, both the MBA and the MM programs are designed with emphasis on practitioner-oriented learning. This provides students not only concepts and theories as applied in actual managerial situations, but also hands-on training that prepares them for the challenges of the global economy. Its faculty are all experts and practitioners of management in Asia, sharing years of field-based experiences and insights with their students. Learning materials are predominantly real-life case studies of large, medium and small corporations. AIM uses highly interactive learning methodologies which stimulate the exchange of ideas among students, re-creating the complicated relationships among colleagues in the business world. Both MBA and MM programs have hands-on application modules as students embark on action consultancy and leadership projects. At the W. SyCip Graduate School of Business, practitioner makes perfect!

Faculty Excellence

The core faculty of the W. SyCip Graduate School of Business are bona-fide managers and leaders, recognized by their peers and the industry, and provide a wealth of experience in various fields of management in the classroom. Their practitioner experience is augmented by doctorate degrees in business and related areas of expertise. More than just teachers, they are mentors, coaches and advisers.

W
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Student Excellence

Core academic excellence is the recruitment of topnotch students. The W. SyCip Graduate School of Business seeks to attract individuals with immense intellectual energy and talent. These individuals are not only bright, but also exhibit strong leadership potentials. AIM seeks to transform them into highly competent, adaptive and creative business leaders ready to face the challenges of the new global economy.

Academic excellence at the WSGSB is attained through the managed interplay of four critical factors: excellent f

Course Excellence

The MBA and the MM programs of the W. SyCip Graduate School of Business provide rigorous training, conceptual foundations, up-to-date knowledge, analytical tools and people management and leadership skills that hone and strengthen the technical competencies and multiple intelligences of the students. These programs are continuously re-designed to be relevant to changing markets, volatile situations and fast-moving technologies in the Asian context.

gy
llence

Global Standards

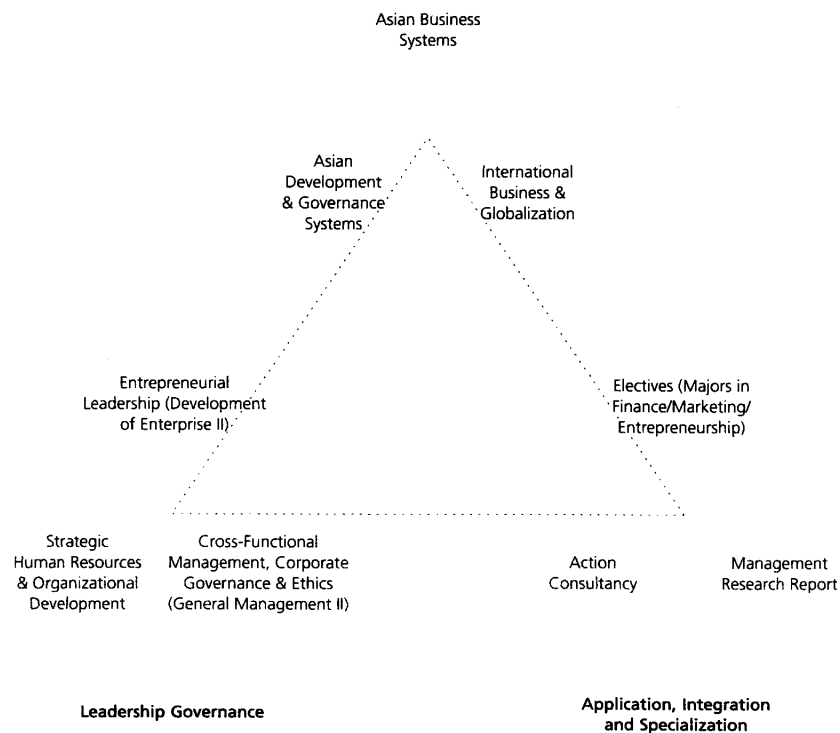
Both the MBA and the MM programs are designed specifically to enable students to meet global standards of excellence: field-based operations management courses, practitioner-oriented marketing programs, human behavior in organizations that emphasizes competence and multiple intelligences, finance courses anchored on the Chartered Financial Analyst (CFA) program, and leadership modules geared towards strategic thinking and strategy implementation. More than meeting global standards, the W. SyCip Graduate School of Business is striving to be a trailblazer in thought leadership by using original frameworks and learning materials that are distinctly Asian in context but global in application.

at students, excellent courses, and program management and design that meet international global standards.



MBA 1 Design: Expertise in the Functional Areas

In the first year of the MBA Program, students shall be instilled with fundamental skills in the basic functional areas of management. Once mastered by the students, these fundamental skills are further honed by macro- and micro-technical courses. Armed with expertise in the functional and technical areas of management, students are then introduced to skills in understanding human behavior in organizations and management communications skills, both critical for running any organization. Culminating the first year curriculum, these courses are synthesized to develop entrepreneurial and strategic thinking in the students and prepare them for real-world application on their second year.



MBA II Design: Asian Leadership and Management Practice in a Global Context

The second year of the MBA Program contextualizes the student in the Asian development, governance and business systems within the broader global setting. Global context in strategic thinking is ensured by courses on international business and globalization, Asian business systems and Asian development and governance systems. Leadership and Governance are emphasized in the second year with three courses: Entrepreneurial Leadership, General Management II (focusing on Cross-Functional Management, Governance and Ethics) and Strategic Human Resource and Organizational Development. Functional expertise for job-entry purposes is developed by offering specialized courses and electives on specific subject areas. The MBA Program offers a Major in Finance, a Major in Marketing and a Major in Entrepreneurship. Implementing or doing skills are enhanced through hands-on programs such as the Action Consultancy and the Management Research Report. Personal development and self-mastery are amplified by strong mentoring and coaching by the faculty.

The core faculty of the W. SyCip Graduate School of Business MBA program is composed of bona-fide executives and senior managers with real-world experiences in management coupled with extensive knowledge in their respective fields of specialization borne out of research and various undertakings in the academic arena. Not only are they steeped in management experience in such fields as marketing, banking and finance, management accounting, manufacturing, real estate, and consultancy, the W. SyCip Graduate School of Business MBA core faculty are also immersed with strong academic foundation in their respective fields of specialization from their doctorate degrees from prestigious universities around the region. And with a healthy mix of cultures from around the region, the W. SyCip Graduate School of Business MBA core faculty provides a critical ingredient that makes the MBA program not only distinctly practitioner-oriented, but distinctly Asian as well.

MM Design: Developing the Adaptive, Transformational and Inspirational Leader

Module I	Adaptive Leadership: Self and Situational Mastery	Strategy Development
	<p>Situational Mastery: Mapping the External Terrain</p> <ol style="list-style-type: none"> 1. Social Awareness and Skills 2. Leading Teams and Working with Others 3. Leadership Styles 4. Leadership and Culture <p>Self Mastery: Mapping the Internal Terrain</p> <ol style="list-style-type: none"> 1. Self Mastery 2. Setting Personal Goals 3. Personal Awareness and Skills 	<p>External Assessment</p> <ul style="list-style-type: none"> Macro Environment Affecting Industry Industry Environment Stakeholder Analysis Technical Analysis Market Analysis Micro Market Analysis
Module II	Transformational Leadership: Leader as a Change Master	Strategic Management
	<ol style="list-style-type: none"> 1. The Leader as Scholar, Senser and Seer 2. The Leader as Warrior King and Philosopher King 3. The Leader as Magician and Entrepreneur 4. The Leader as Maestro and Mentor 	<ul style="list-style-type: none"> Corporate Strategy Strategic Human Resource Management Cross-Functional Management Process
Module III	Inspirational Leadership: Leading with Mind, Heart and Soul	Strategic Implementation
	<ol style="list-style-type: none"> 1. The Leader as Visionary and Weaver of Dreams 2. The Leader as Missionary 3. The Leader as Role Model and Value Formator 4. The Leader as Servant 	<ul style="list-style-type: none"> Action Plan Contingency Mechanisms Institutionalizing Change: Structure, Sys Evaluating Strategy Corporate Governance and Business Eth Restrategizing for Sustainability

Personal Assessment
Corporate Performance Analysis
Enterprise Life Cycle and Life Forces
Management Functions: Operations, Marketing, Finance Control, Human Resources
Cross-Functional Management Processes

Strategic Marketing, Strategic Finance

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The MM program design is anchored on a three-stage process that will develop different facets of the individual's leadership skills, talents and attitudes. The first module hopes to develop the Adaptive Leader who seeks out and seizes opportunities for the organization. During this module, the student will sharpen competencies for environmental analysis, industry, market and micro market analysis, stakeholder analysis, and technical analysis in order to assess and evaluate opportunities. Skills to assess the internal environment of the enterprise, its various functions and programs are also enhanced. The second module of the program aspires to develop the Transformational Leader who devises the corporate strategies of the organization. The second module heightens the individual's competency in overall corporate strategizing and functional strategizing. The third module completes the formation of the Inspirational Leader who implements the strategic plan and leads the organization with his/her mind, heart and soul. The third module develops the individual's skills in action programming and sustainability. Delivered through a combination of classroom and hands-on learning methodologies, the MM program creates an unparalleled learning environment that promotes not only the mastery of managerial tools and techniques but also the personal leadership styles of the individuals. The MM program is a holistic approach towards molding the future business leaders and strategic thinkers of Asia.



W. SYCIP GRADUATE SCHOOL OF BUSINESS: EDUCATING TOMORROW'S BUSINESS LEADERS, TODAY

Business education inspires business leaders through a foundation of managerial knowledge and a faculty capable of pushing the frontiers of knowledge. The W. SyCip Graduate School of Business exists to educate tomorrow's business leaders, today. The W. SyCip Graduate School of Business was named after the Institute's venerable Chairman Mr. Washington SyCip as a tribute to his vision and leadership in shaping the Institute into what it is today. Mr. SyCip has been the chairman, a member of the faculty and a constant benefactor of the Institute since its birth in 1968.

Alumni Profile

Since its inception in 1968, more than 5,000 individuals from over 63 economies around the world have already graduated from the MBA and MM programs of the W. SyCip Graduate School of Business. Some 44% have already climbed all the way to the top, leading their respective organizations as chairman, chief executive officer, president or chief operating officer. Another 19% have reached mid-managerial positions. Some 27% of alumni work in the finance field while some 24% work in manufacturing. Four out of every five alumni of the WSGSB are employed in Asia.

Career Management Services

The Career Management Services office of the W. SyCip Graduate School of Business assists the students and alumni in realizing their professional objectives. The CMS has been directly responsible for providing employment to at least 80% of students upon graduation, with more than half receiving above-industry compensation. Within six months after graduation, 100% of the graduating batch are already employed or are in advanced stages of negotiations with a prospective employer.

International Exchange

Under the International Student Exchange Program, selected students from the MBA are given the opportunity to study in over 20 prestigious partner learning institutions in Asia, Australia, Europe and North America.

Affiliate Learning Institutions

Asia & Australia	Australia	Melbourne Business School
	India	Indian Institute of Management, Ahmedabad
	Japan	Keio Business School
	Thailand	Asian Institute of Technology
<hr/>		
Europe	Austria	Vienna School of Economics
	Belgium	Université Catholique de Louvain
	Denmark	Copenhagen Business School
	France	Groupe HEC
	Germany	University of Cologne
	Italy	Luigi Bocconi
	Norway	Norwegian School of Business and Economics
	Spain	ESADE
	Sweden	Stockholm School of Economics
	The Netherlands	Rotterdam School of Management
<hr/>		
North America	Canada	McGill University
		Richard Ivey School of Business
	United States	Amos Tuck School of Business Administration
		Columbia Business School
		George L. Graziado School of Business Management
		Pepperdine University
		Marshall School of Business
		University of Southern California
		The Anderson School at University of California at Los Angeles
		University of Illinois at Urbana-Champaign
Weatherhead School of Management		
Case Western Reserve University		
Wharton School of the University of Pennsylvania		



ASIAN INSTITUTE OF MANAGEMENT

The Asian Institute of Management is recognized as one of the very top business schools in the region. Established in 1968 by an alliance between the Harvard Business School and distinguished visionaries of the Asian academic and business communities, AIM leads the region's socio-economic transformation by offering unique educational opportunities and cross-cultural experiences to citizens from developing and developed economies in Asia and the rest of the world. It remains as a center of excellence where strategic thinkers and managers of Asian economies and societies converge to learn how to better shape their progressive future. The Institute offers five degree programs: the flagship two-year Master in Business Administration (MBA) program (formerly the Master in Business Management program), the one-year Master in Management (MM) program, the Master in Development Management (MDM) program, the executive MBA (eMBA) program and the Master in Entrepreneurship (ME) program. It also runs a plethora of short programs ranging from basic business, development and entrepreneurial management courses to program-specific courses in arts management, health management and the management of educational institutions. The Institute boasts of over 24,000 alumni from over 60 different nations around the world.

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王仁宏校長與訪問團成員在曼谷旅館前面合影



王仁宏校長一行與亞洲理工學院校長 DR. ARMAND 合影



王仁宏校長與亞洲理工學院校長 DR. ARMAND 合影



與亞洲理工學院教務長 DR. Tabucanon ,

財務長 DR. Arga 等人座談



參訪亞洲理工學院



駐泰國台北經濟文化代表處鄭博久代表宴請王仁宏校長一行



莊寶鵬學務長和胡為善院長拜會泰國台灣商會聯合總會邱文正秘書長



王仁宏校長，胡為善院長和台商賴先生合影



王仁宏校長，李博志主任與新加坡台商座談



王仁宏校長與李博志主任在南洋理工大學合影



王仁宏校長，李博志主任與菲律賓大學校長 DR. Nemenzo

和該校商學院院長 E. Chanis 教授合影



王仁宏校長與李博志主任在菲律賓大學合影



王仁宏校長，李博志主任與台商謝銘傳先生在亞洲管理學院校門前合影



王仁宏校長，李博志主任，台商謝銘傳先生

與亞洲管理學院院長 Morato 教授合影



駐菲律賓台北經濟文化代表處代表吳新興博士宴請王仁宏校長等人



王仁宏校長，李博志主任與菲律賓蘇比克灣台商座談



王仁宏校長，李博志主任與菲律賓台商總會謝世美會長暨主要成員合影



王仁宏校長與菲律賓台商總會座談



王仁宏校長在馬尼拉大教堂留影



王仁宏校長與李博志主任在馬尼拉黎剎公園前合影

附

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三



Asian Institute of Technology

Jean-Louis Armand, Ph.D.
President

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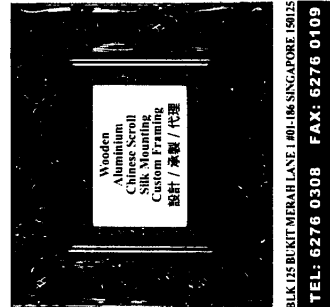
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