

*ISOC HK ICT Seminar Series -- "Envisioning ICT Prospecting Future"
Round One: Health IT Decoded*

COURSES IN HEALTH INFORMATION TECHNOLOGY

香港醫療科技的課程

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HEALTH INFORMATICS

- From Wikipedia - http://en.wikipedia.org/wiki/Health_informatics
- Health informatics (also called health care informatics, healthcare informatics, medical informatics, nursing informatics, or biomedical informatics) is a discipline at **the intersection of information science, computer science, and health care**.
- It deals with the resources, devices, and methods required to optimize the acquisition, storage, retrieval, and use of information in health and biomedicine. Health informatics tools include **not only computers but also clinical guidelines, formal medical terminologies, and information and communication systems**. It is applied to the areas of nursing, clinical care, dentistry, pharmacy, public health, occupational therapy, and (bio)medical research.



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NEWS CLIPS

09/02/2009 明報 A02-港聞-踏上黃金路系列
醫療資訊科技逆市鍍金 各界增聘人手

- 本港人口老化問題嚴重預計未來對醫療服務的需求將有增無減
- 醫療資訊科技亦成為極具潛力行業，公立醫院為提升效率，已積極引入電子病歷系統，其他如遠程醫療科技等，亦有望成為未來醫療路向…
- 由於各大醫院、醫療集團及藥行現時均競相招攬兼備醫療及相關科技知識的人才，畢業生不愁出路…
- 醫院管理局成員兼香港電腦學會醫療信息科技分部主席莫乃光稱，現時醫管局資訊科技部門約有800人，未來每年約需增聘一成，他坦言醫療資訊科技會持續發展…
- 莫乃光稱，醫療資訊科技人才求過於供，修讀這門學科一定有用武之地…



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NEWS CLIPS

17/02/2009 香港經濟日報 A04-要聞

10億推電子病歷 加快創300職 聘逾6500長短工 醫管局成大戶

- 當局並加快推行逾10億元的**電子病歷計劃**，專責部門在高峰期要聘請300人，以資訊科技人員為主，連同外判合約工，新職可望加倍。
- 據悉，當局下年度將成立「**電子健康記錄統籌處**」，屆時將開創新職，基本已要增聘200人，高峰期更達300人，主要是資訊科技人員，由食衛局或醫管局分別分階段聘用。
- **與醫管院合作互通電子病歷的私家醫院**，亦會因應計劃增聘人手。養和醫院副院長鄺國熙指出，現時醫院約有10多名資訊科技的同事，未來將陸續增聘資訊科技人手，惟目前仍在評估人手需求。



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NEWS CLIPS

26/02/2009 eZone Issue 500 pp.132

醫療 保安科技 行情看俏 - 莫乃光 (Charles Mok)

- 過去十多年的香港公營醫療體系已自我發展出一個全球第一流的電子醫療平台；尤其是在臨床管理及電子病歷系統方面，比最先進科技國家也毫不遜色。
- 在本地人口老化的大勢下，醫療需求量必然持續增加，電子醫療發展亦正好配合政府在醫療融資改革的政策目標：平衡，首要是發展全港性電子健康紀錄系統。
- 去年起政府已為發展醫院管理局第三代臨床管理系統撥款7.8億元，目前醫管局仍在增聘資訊科技人手，可見全港性電子健康紀錄是勢在必行；
- 另一方面，私營醫療機構近年亦增加投資在資訊科技，對醫療資訊科技有經驗的專業人才，自然供不應求。因此，將分別開設醫療資訊科技相關的學士和碩士課程。



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HEALTH INFORMATICS DEGREES AND CERTIFICATES

- Around the World -
<http://www.healthinformaticsforum.com/page/health-informatics-degrees-and>
- Within Hong Kong,
 - Hong Kong Polytechnic University
 - Department of Health Technology and Informatics -
<http://www.polyu.edu.hk/hti/>
 - BSc(Hons) in Biomedical Engineering -
http://www.polyu.edu.hk/hti/programmes/prog_BSc_BME.html
 - MSc in Biomedical Engineering



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HEALTH INFORMATICS DEGREES AND CERTIFICATES

- The University of Hong Kong
- The Cyberport institute of Hong Kong (Cyber.i)
- Advanced Certificate/ Advanced Diploma in Health Informatics – <http://cyber-i.hku.hk/courses/CI63-101-00/index.html>



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HEALTH INFORMATICS DEGREES AND CERTIFICATES

- Hong Kong Baptist University
- Department of Computer Science -
<http://www.comp.hkbu.edu.hk/v1/>

- BSc (Hons) in Computer Science
- BSc (Hons) in Computing Studies (Information Systems)
 - Health Information Technology Stream
 - Health Information Technology
 - Data Mining & Knowledge Discovery
 - Medical Image Processing & Applications
 - Clinical Decision Support & Information Systems
 - Human Computer Interaction*
 - Ubiquitous Healthcare Applications & Services*



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HEALTH INFORMATICS DEGREES AND CERTIFICATES

- Hong Kong Baptist University
- Department of Computer Science -
<http://www.comp.hkbu.edu.hk/v1/>

- MSc in IT Management
 - Health Informatics Stream**
 - Health Informatics
 - Data Mining and Knowledge Discovery
 - Management of Medical Visual Data
 - Information Security Management
 - Information and Knowledge Management
 - Human Computer Interaction*
 - Ubiquitous Healthcare Applications & Services*



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