Master of Science
(Knowledge Management)

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Before we start ...

These slides will be uploaded to the school website:

http://www.wkwsci.ntu.edu.sg/CurrentStudents/Graduate/Pages/Announcement.aspx
WELCOME!
“NTU”, for short!
“WKWSCI”, for short!
Our Graduates!
A Close-up!
Characteristics of KM Students

- Thinkers, conceptualizers, rather than doers
- Leaders, rather than followers
- Boardroom, rather than backroom people
- People-oriented, rather than system-oriented
- Focus on tacit knowledge, rather than on explicit knowledge
- Flexible, rather than rigid
- Proactive, rather than apathetic
- Energetic and excited, rather than tired
Genesis

2000 – Knowledge management specialization in the MSc (Information Studies) programme
MSc (KM)

2002

MSc (IS)

MSc (ISys)
Timeline

2002 – Part-time MSc (KM) programme

2007 – Full-time MSc (KM) programme and revision of KM curriculum

2011 – Programme renewal process

2012 – Revised programme structure, exciting modules, captivating lectures, visiting scholars, deep concepts, strategic thinking, ...
What is KM?

- KM = Knowledge management

Not kilometres!
What is KM?

• KM is a systematic process of leveraging intellectual capital and knowledge assets for organizational success

• KM helps build the capacity to develop, organize, retain and utilize human and knowledge resources
Why KM?

We may be a small country but we demand excellence in everything we do – it has to be special if it’s not special we are nothing. So our schools have to be outstanding, polytechnics, universities. Our companies have to be outstanding – if SIA was just an ordinary airline, no one would have heard of it, if PSA was an ordinary port, no containers would come, if you’re Creative and you’re not creative, you’re in trouble, and if you’re Singtel, you have to be first class.

(PM Lee Hsien Loong)
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(PM Lee Hsien Loong)
But how?

• Excellence
• Special
• Outstanding
• Creative
• First class
Why KM?

- KM [when implemented right] is a crucial factor in organizational survival, profitability, and competitive edge
- KM [when implemented right] reduces knowledge losses due to staff turnover
- KM [when implemented right] transforms the organization into a ‘learning organization’
The MAIN Objective of KM

Value creation!
Two Things

When you enrol in NTU’s MSc (KM) programme, you simultaneously enrol into two things
Expect ...

... lots of readings
Expect ...

... lots of thinking
Reading furnishes the mind only with materials of knowledge; it is thinking that makes what we read ours.
Expect ...

... high expectations
Expect ...

... to be stretched
Expect ...

... to be transformed
An International Alumnus

- Singapore
- Malaysia
- Indonesia
- The Philippines
- Myanmar
- China
- India
- Sri Lanka
- Nigeria
- Israel
- Colombia
- Russia
- Sweden
- Finland
- Germany
- France
- Italy
An Outstanding Faculty

Dr Ravi Sharma
An Outstanding Faculty

Dr Christopher Khoo
An Outstanding Faculty

Dr Pee Loo Geok
To graduate ...

you need 30 academic units (30 AUs)
MSc (KM): The Two Tracks

Two Tracks

Coursework + Critical Inquiry in KM
- 2 Core Modules
- 4 “A” Electives
- 3 “B” Electives
- Critical Inquiry in KM

Coursework + Dissertation
- 2 Core Modules
- 4 “A” Electives
- 2 “B” Electives
- Dissertation
MSc (KM): The Two Tracks

Two Tracks

Coursework + Critical Inquiry in KM
- 2 Core Modules (6 AUs)
- 4 “A” Electives (12 AUs)
- 3 “B” Electives (9 AUs)
- Critical Inquiry in KM (3 AUs)

Coursework + Dissertation
- 2 Core Modules (6 AUs)
- 4 “A” Electives (12 AUs)
- 2 “B” Electives (6 AUs)
- Dissertation (6 AUs)
MSc (KM): The Two Tracks

Two Tracks

Coursework + Critical Inquiry in KM

- 2 Core Modules (6 AUs)
- 4 “A” Electives (12 AUs)
- 3 “B” Electives (9 AUs)
- Critical Inquiry in KM (3 AUs)

Coursework + Dissertation

= 2 Core Modules (6 AUs)
= 4 “A” Electives (12 AUs)
= 2 “B” Electives (6 AUs)
= Dissertation (6 AUs)
Our Curriculum

CORE MODULES

• Foundations of Knowledge Management (K6301)
• Knowledge Management Practices & Implementation (K6302)
Our Curriculum

“A” ELECTIVES (SELECT FOUR)

- Information & Knowledge Assets (K6303)
- Knowledge Management Strategies & Policies (K6304)
- Knowledge Management Technologies (K6305)
- Organisation Theory & Practice (K6306)
- Organisation of Knowledge (K6307)
“B” ELECTIVES
(SELECT EITHER TWO OR THREE)

- Business Intelligence (K6308)
- Intellectual Capital Management (K6309)
- Sociology of Knowledge (K6310)
- ...
- Full list can be found on the curriculum webpage
A Possible Study Plan (PT-1)

Year 1 (Semester 1)
• 2 core modules

Year 1 (Semester 2)
• 2 “A” Electives + 1 “B” Elective

Year 2 (Semester 1)
• 2 “A” Electives

Year 2 (Semester 2)
• 2 “B” Electives + Critical Inquiry in KM
A *Possible* Study Plan (PT-2)

**Year 1 (Semester 1)**
- 2 core modules

**Year 1 (Semester 2)**
- 2 “A” Electives + 1 “B” Elective

**Year 2 (Semester 1)**
- 2 “A” Electives
- 1 “B” Elective

**Year 2 (Semester 2)**
- 1 “B” Elective + Critical Inquiry in KM
A Possible Study Plan (FT-1)

Semester 1
• 2 core modules
• 3 “A” Electives

Semester 2
• 1 “A” Elective
• 3 “B” Electives
• Critical Inquiry in KM
A Possible Study Plan (FT-2)

**Semester 1**
- 2 core modules
- 2 “A” Electives

**Semester 2**
- 2 “A” Elective
- 2 “B” Electives

**Semester 3**
- 1 “B” Elective
- Critical Inquiry in KM
Full Time vs Part Time

Full Time
• Up to *five* courses per semester
• Average completion time: 2 to 3 semesters

Part Time
• Up to *three* courses per semester
• Average completion time: 4 to 5 semesters
Course Assessment and Grading

• Most courses are assessed using a combination of a final examination (usually 50 to 60%) and continual assessment (usually 40 to 50%)

• An Example
  Foundations of Knowledge Management (K6301)
  – Final examination (60%)
  – Assignment (40%)
Dissertation

• An independent study performed individually under close supervision
• Recommended for students who are academically-inclined, those preparing for a doctoral programme, and those with a CGPA of 4.0 or better
• Rigorous academic procedure – finding supervisor, preparing the research proposal, collecting and analysing data, writing, submitting, and examination
• Topic determined by student based on personal interest, in consultation with supervisor
Course Load & Duration of Study

• It is very important to complete the study within the stipulated maximum candidature period
  – Full Time: two years
  – Part Time: four years

• Application for extension of candidature are rarely entertained
MSc KM Scholarship Award

Tuition fee waivers for the top two students every semester!
Graduation Requirements

– A minimum CGPA of 2.50 must be attained at the completion of the MSc (KM) programme

– An academic warning (for short, “AW”) will be issued if your TGPA falls below 2.50 in any semester

– Your candidature will be terminated if your TGPA falls below 2.50 for two consecutive semesters (two consecutive AWs → termination of candidature)
How Much?

- Full time
  S$7,000 per semester

- Part time
  S$3,500 per semester
Applying to the MSc (KM) Programme

Deadline:

28 February 2015
Before I end ...
MSc (Information Studies) Programme
What is Information Studies (IS)?

• A multidisciplinary programme combining theory and practice to address the growing need of organisations for skilled information professionals
  – Established in 1993 and is a subsidised programme by Singapore’s Ministry of Education.
  – Professional qualification for information professionals working in libraries and information centers

• Explore the uses and management of
  – Emerging information sources (e.g. Social and mobile media)
  – Traditional information sources (e.g. Books and journals)
Two Tracks

Library Science

Information Analytics
Two Tracks

• **Library Science Track**
  – Gain essential knowledge applicable in any type of library or information management job
  – *Courses include* Collection Development & Management, Information Organisation, Business & Management Sources & Services and Children and Your And new Children & Young Adults Sources & Services

• **Information Analytics Track**
  – Learn methods, tools and frameworks to manage, analyse and derive insight from traditional & emerging information sources
  – *Courses include* Social Media Analytics, Text & Web Mining, Information Visualisation and Information Mining & Analysis
Why IS?

For Individuals
- Train information professionals to navigate, manage and analyse information

For Organisations
- Transform information resources into opportunities for organisational growth and innovation
Programme Structure

Coursework and Dissertation Option

- One Compulsory Course
- At least Three Foundation courses
- Up to Four Elective courses
- Dissertation

Coursework-Only Option

- One Compulsory Course
- At least Three Foundation courses
- Up to Five Elective courses
- Critical Inquiry
Programme Structure

• One Compulsory Course

H6702 - Research Methods in Human Information Behavior

• Foundation courses (take at least 3)

H6713 - Information Representation & Retrieval
H6714 - Information Organisation
H6715 - Information Management
H6717 – Information Professions: Heritage, Values and Ethics
H6718 – Management of Technologies in Organisations
Programme Structure

• Library Science Track Electives

H6721 – Collection Development & Management
H6722 – Cataloguing & Classification
H6723 – Business & Management Sources and Services
H6724 – Children & Young Adults Sources and Services
H6734 – Reference and Information Discovery
H6735 – Theories and Practices of Heritage Work

Special Topics: Social Sciences & Humanities Sources & Services, Science & Technology Sources & Services, and Art and Music Sources & Services
Programme Structure

• **Information Analytics Track Electives**

  H6729 – Organisational Records Management
  H6730 – Digital Libraries
  H6731 – Social Media Analytics
  H6732 – Text and Web Mining
  H6733 – Data Extraction Techniques
  CI6221 – Information Visualisation
  K6312 – Information Mining & Analysis
Job Opportunities

A strong track record of employment in libraries, hospitals, universities, and other government as well as business organisations

- **Library careers**
  - E.g. Librarians, Children Librarians, Subject Librarians

- **Research careers**
  - E.g. Researchers, Research Associates, Advance to PhD Study - University Lecturers/Professors

- **Technology-related careers**
  - E.g. Project Managers, Information Architects, Data Visualization Specialists, Business Analysts, Systems Analysts

- **Information analytic-related careers**
  - E.g. Information Analysts, Social Media Analysts, Data Scientists, Analytics Consultants
Thank you!