Ph.D. in Business
(Operations Management)

Yun Fong LIM
Programme Coordinator
Lee Kong Chian School of Business, Singapore Management University
新加坡管理大学，李光前商学院
Introduction to SMU

• National University
  – A management university in the city center
  – Near “Wall Street” of Singapore

• President
  – Professor Arnoud De Meyer (OM)

• Faculty: 351

• Enrolment size (Sep 6, 2013)
  – Undergraduates: 7,297
  – Postgraduates: 1,006 (to increase to 3,000)
SMU Campus
Vibrant Campus Life
Program Overview and Goals

- Emphasize theoretical research with practical relevance
- Provide teaching opportunities for PhD students
- Targeted placements
  - Faculty positions in leading universities
  - Managerial positions in industry, public sector, and international organisations
Faculty with diverse background (from 6 countries)
Faculty

• Broad research areas
  – Healthcare operations
  – Inventory management
  – Operations planning, scheduling, and control
  – Operations strategies
  – Process design and improvement
  – Design and development for products and services
  – Project management
  – Purchasing and sourcing management
  – Supply chain management
  – Sustainable operations
Faculty

• **Strong publication records**
  – Operations Research
  – Management Science
  – Manufacturing and Service Operations Management
  – Production and Operations Management
  – Journal of Operations Management
  – Naval Research Logistics
  – IIE Transactions
  – Operations Research Letters
  – European Journal of Operational Research
  – Annals of Operations Research

• **UT Dallas 2010 to 2014 Research Rankings (Jan 21, 2015)**
  – LKCSB: 58th worldwide
  – OM Group: 35th worldwide
    – Cornell 37th, Chicago 40th, Yale 46th, CUHK 65th

• **Young and energetic!**
Faculty

- Faculty’s publications with **graduate students**
  
  
  
  
Program Structure & Curriculum

• 4 to 5 years (min 3 years)

• Curriculum
  – 6 Foundation Courses
  – 2 Elective Courses
    • Microeconomics I, Econometrics I, Decision Support and Optimization, Advanced Topics in Intelligent Decision Support, etc.
  – 4 Advanced Research Topics (ART) Courses
    • Topics in Game Theory and Its Applications, Topics in Optimization, Topics in Manufacturing and Service Operations Management, Topics in Interdisciplinary Research in OM, etc.
# Program Structure & Curriculum

<table>
<thead>
<tr>
<th>Year</th>
<th>Term 1 (Aug - Nov)</th>
<th>Term 2 (Jan - Apr)</th>
<th>Term 3 (May - Aug)</th>
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<tbody>
<tr>
<td>1</td>
<td>Foundation Courses</td>
<td>Foundation Courses</td>
<td>Research</td>
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<td>Elective Courses</td>
<td>Elective Courses</td>
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<td>2</td>
<td>ART Courses</td>
<td>ART Courses</td>
<td>Research</td>
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<td>Research</td>
<td>Research</td>
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<td></td>
<td>Prepare Dissertation Proposal</td>
<td>Pass PhD Qualifying Exam</td>
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<td>Form Dissertation Committee</td>
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<td>3</td>
<td>Dissertation Research</td>
<td>Dissertation Research</td>
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<td>Submit Dissertation Proposal</td>
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<td><strong>Oral Defense of Dissertation Proposal</strong></td>
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<td>4</td>
<td>Dissertation Research</td>
<td>Dissertation Research</td>
<td>Dissertation Research</td>
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<td>(i) Submit Dissertation Report</td>
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<td>(ii) <strong>Oral Defense of Dissertation Report</strong></td>
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<td>(i) Revise and/or re-submit Dissertation Report</td>
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<td>(ii) Submit final Dissertation for approval</td>
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Admission Requirements

- Undergraduate Bachelor's degree
- GRE or GMAT
- TOEFL or IELTS if undergraduate medium of instruction was not in English
- Cover letter (1 page)
- Curriculum Vitae
- Statement of purpose (1 page)
- 2 referee reports
SMU Scholarship

- 4 years
- Waiver of the registration fee and tuition fee
- Living stipends

<table>
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<tr>
<th>Citizenship</th>
<th>Before Qualifying Exam</th>
<th>After Qualifying Exam</th>
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<tbody>
<tr>
<td>Singapore Citizen</td>
<td>S$2,500</td>
<td>S$3,000</td>
</tr>
<tr>
<td>Singapore Permanent Resident</td>
<td>S$2,200</td>
<td>S$2,700</td>
</tr>
<tr>
<td>Foreign Student</td>
<td>S$2,000</td>
<td>S$2,500</td>
</tr>
</tbody>
</table>

- 5th year onwards
  - Research Assistantship (RA) or Teaching Assistantship (TA)
- Conference funding: S$3,500
Placement Records

- XIAOHU WANG (Economics) Assistant Professor, Department of Economics, Chinese University of Hong Kong
- YONGHUI ZHANG (Economics) Assistant Professor, School of Economics, Renmin University
- YEN TEIK LEE (Finance) Assistant Professor of Finance, Shanghai University of Finance and Economics
- LENCH TIECHENG (Finance) Assistant Professor of Finance, Zhongshan University
- TAO ZENG (Economics) Assistant Professor, School of Economics and Management, Wuhan University
- FUWEI JIANG (Finance) Assistant Professor in Finance, Central University of Finance and Economics
- HANBO DAI (Information Systems) Associate Professor, School of Computer Science and Information Engineering, Hubei University
- YUEQIANG CHENG (Information Systems) Postdoctoral Fellow, CyLab, Carnegie Mellon University
- JIANHUI HUANG (Information Systems) Senior Research Analyst, Singapore Corporate Executive Board (CEB)
- QIANG YAN (Information Systems) Research Engineer, Google, Switzerland
- MEIQUN HU (Information Systems) Research Scientist, Institute for Infocomm Research (I2R), A*STAR
- JIN HAN (Information Systems) Research Engineer, Twitter, San Francisco, USA
Doing Research in SMU

• **Research environment**
  – Strong collaboration among members within the OM group and beyond
  – Active interaction with other schools (through seminars, summer camps, research collaboration)
  – NUS, NTU, SUTD and INSEAD (Singapore campus)
  – Top scholars and journal editors

• **Government supports**
  – Research grants available from MOE, A*STAR, NRF, etc.
  – Supports for extra stipends, conference travel, computers, etc.

• **Industry relationships**
  – Active engagement with various industries and public organizations
  – Institute of Innovation and Entrepreneurship, Institute of Service Excellence, UOB-SMU Asian Enterprise Institute, Living Analytics Research Center, etc.
Studying and Living in Singapore

- **Accommodation**
  - Different types of accommodation

- **Food**
  - Various choices
  - Near school (>= S$3/meal)

- **Travel**
  - MRT and bus
  - Taxi
  - Convenient location

- **Medical insurance**
  - Full-time and part-time local and international graduate students

- **Shopping**
Housing Development Board (HDB) Flats

- Developed by government agency, HDB
- 80-85% of the population lives in HDB flats
- Typically near amenities such as MRT, food centers
Private Condominiums

- Developed by private property companies
- Typically equipped with facilities such as swimming pool, tennis courts, gyms
Landed Properties
Living Expense (Estimated Figures)

- **Accommodation**
  - Rental rates
    - Whole-unit rental and 2 persons share a room
    - HDB flat: S$500/month
    - Condominium: S$750/month
    - Usually include utility and internet bills (S$50/month)
  - Housing prices are decreasing
  - Cheaper to stay with landlord(s)

- **Food**
  - S$500/month
  - Average S$5/meal (lunch or dinner) in canteens near school

- **Travel**
  - S$120/month
  - Assuming you go to school everyday and take taxi occasionally

- **Shopping and entertainment**

- **Quality of life**

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**Scholarship**

| Year 1&2: S$2000/month |
| Year 3&4: S$2500/month |
Program Website and Contact

• Our program website
  – Search: smu phd operations management

• Contact information
  – Tel: (65) 6828 0896 / (65) 6828 1962
  – Fax: (65) 6828 0777
  – Email : msc_phd_lkcsb@smu.edu.sg
Apply now!