Ph.D. in Business
(Operations Management)

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Programme Coordinator
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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
  – Undergraduates: 7,297
  – Postgraduates: 1,006 (to increase to 3,000)
SMU Campus
Vibrant Campus Life
PhD in Business

- Finance
- Marketing
- Operations Management
- Organizational Behavior & Human Resources
- Strategic Management & Organization
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 2011 to 2015 Research Rankings (Jan 19, 2016)**
  – LKCSB: 49th worldwide
  – OM Group: 32nd worldwide
    • Chicago 34th, Cornell 37th, Yale 48th, CUHK 50th

• **Young and energetic!**
Faculty


Placement Records (SMU OM)

- Dai YAO, Assistant Professor, NUS Business School, National University of Singapore (Advisor: Brian RODRIGUES)
- Yue WU, Assistant Professor, Katz Graduate School of Business, University of Pittsburg (Advisor: Yun Fong LIM)
- Tiecheng LENG, Assistant Professor, Lingnan College, Zhongshan University (Advisor: Onur BOYABATLI)
• 4 to 5 years (min 3 years)

• Curriculum
  – 6 Foundation Courses
  – 2 Elective Courses
    • Microeconomics I, Econometrics I, Decision Support and Optimization, Learning and Planning in Intelligent Systems, etc.
  – 4 Advanced Research Topics (ART) Courses
    • Topics in Advanced Optimization Techniques, Topics in Game Theory and Its Applications, Topics in Manufacturing and Service OM, Topics in Interdisciplinary Research in OM, Independent Study, 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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</thead>
<tbody>
<tr>
<td>1</td>
<td>Foundation Courses</td>
<td>Foundation Courses</td>
<td>Research</td>
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<tr>
<td></td>
<td>Elective Courses</td>
<td>Elective Courses</td>
<td></td>
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<tr>
<td>2</td>
<td>ART Courses</td>
<td>ART Courses</td>
<td>Research</td>
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<tr>
<td></td>
<td>Research</td>
<td>Research</td>
<td></td>
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<tr>
<td></td>
<td>Prepare Dissertation Proposal</td>
<td>Pass PhD Qualifying Exam</td>
<td>Form Dissertation Committee</td>
</tr>
<tr>
<td>3</td>
<td>Dissertation Research</td>
<td>Dissertation Research</td>
<td>Dissertation Research</td>
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<tr>
<td>4</td>
<td>Dissertation Research</td>
<td>Dissertation Research</td>
<td>Dissertation Research</td>
</tr>
<tr>
<td></td>
<td>(i) Submit Dissertation Report</td>
<td>(i) Revise and/or re-submit Dissertation Report</td>
<td>(ii) Submit final Dissertation for approval</td>
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<td></td>
<td>(ii) Oral Defense of Dissertation Report</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>
<thead>
<tr>
<th>Citizenship</th>
<th>Before Qualifying Exam</th>
<th>After Qualifying Exam</th>
</tr>
</thead>
<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>

• SMU Presidential Doctoral Fellowship (after QE)
  – Singapore Citizen (S$3,500)
  – Singapore Permanent Resident (S$3,200)
  – Foreign Student (S$3,000)

• 5th year onwards
  – Research Assistantship (RA) or Teaching Assistantship (TA)

• Conference funding: S$3,500
Placement Records (SMU)

- 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
- LENG 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

<table>
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<tr>
<th>Scholarship</th>
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<tr>
<td>Year 1&amp;2: S$2000/month</td>
<td></td>
</tr>
<tr>
<td>Year 3&amp;4: S$2500/month</td>
<td></td>
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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
  – Email : yflim@smu.edu.sg
Apply now!