The Impacts of Open Education through MOOCs – Experience in Taipei Medical University

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- Office of Information Technology
- Center for Digital Initiative

Taipei Medical University (TMU)
Current Status in TMU

- Colleges & programs
  - 11 colleges
  - 15 undergraduate programs + 45 graduate programs
- Students
  - Mostly medical or health science majors
  - Approx. 6000 students/year
  - Unders vs. graduates: 2:1
- Courses
  - More than 1400 courses/semester

OCW in Taipei Medical University

TMU OCW
- 2007 online
- 2008 1st course
- 2014: 82 courses

http://ocw.tmu.edu.tw
TMU MOOCs Strategy Diagram

Advanced Service

Content

Platform

L. Analytics
- Learning path suggestion

Advanced Research
- Extent learners’ creation

Credits
- Assessment Exam

Course

Research

TMU MOOCs

cMOOCs

coursera

ShareCourse

International

Localization

Internalization

eMOOCs

TMU MOOCs (since 2013)

MOOCs

80

In English

20

Registers

>18 萬
TMU MOOCs List @ FutureLearn

<table>
<thead>
<tr>
<th>Rank</th>
<th>Course</th>
<th>learners</th>
<th>Run</th>
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<tbody>
<tr>
<td>1</td>
<td>Introduction to Nutrition and Food Safety</td>
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<tr>
<td>2</td>
<td>Internet of Things for Active Aging</td>
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<td>Nutrition and Disease Prevention</td>
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<td>4</td>
<td>Essentials of Good Pharmacy Practice: The Basics</td>
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<td>Become a Pharmacy Preceptor</td>
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<td>6</td>
<td>Artificial Intelligence for Healthcare: Opportunities and Challenges</td>
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<td>Social Media in Healthcare</td>
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<td>Nutrition: Eating to Live Well</td>
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<td>9</td>
<td>Introduction to Translational Research</td>
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<td>Digital Health for Cancer Management</td>
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<td>Clinical Pharmacokinetics: Dosing and Monitoring</td>
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<td>Pharmacokinetics: Drug Dosing in Renal Disease</td>
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<td>Evidence-Based Medicine in Clinical Pharmacy Practice</td>
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<td>17</td>
<td>Pharmacotherapy: Understanding Biotechnology Products</td>
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Introduction to Nutrition and Food Safety

From 151 regions

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<td>UK</td>
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<tr>
<td>India</td>
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<tr>
<td>Egypt</td>
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<td>Australia</td>
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Essentials of Good Pharmacy Practice: The Basics

Enrolments by Age Group

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<th>% of Total Survey Respondents</th>
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<tr>
<td>&lt; 18</td>
<td>1.7%</td>
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<tr>
<td>18-25</td>
<td>5.7%</td>
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<tr>
<td>26-35</td>
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<td>36-45</td>
<td>20.8%</td>
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<tr>
<td>46-55</td>
<td>15.3%</td>
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<td>56-65</td>
<td>3.0%</td>
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<td>66+</td>
<td>0.4%</td>
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Enrolments by country

- India: 15%
- United Kingdom: 13%
- Egypt: 10%

Learners profile

Free TAU Medical University Courses:

1. Medical Humanities: Engaging Patients and Communities in Health Care
   - Taught at the University of TAU Medical.
   - Find out how and why you should engage patients and communities in the development of new healthcare technologies and treatments.
   - 8 Aug - 5 weeks - 2 hours per week - Certificate

2. Introduction to Translational Research Connecting Scientists and Medical Doctors
   - Taught at the University of TAU Medical.
   - Understand the emerging discipline of translational medicine and the process of taking research from bench to bedside.
   - 29 Aug - 6 weeks - 3 hours per week - Certificate

3. Impact of Things for Active Aging
   - Learn about how the Internet of Things can help people age well with this free online course.
   - 2 Oct - 4 weeks - 3 hours per week - Certificate

4. Social Media in Healthcare: Opportunities and Challenges
   - Understand how social media is used in healthcare, to improve communication and interaction during, with this free online course.
   - TBA - 5 weeks - 3 hours per week - Certificate
Class Central: 50+ Free online courses to care for elderly people

Internet of Things for Active Aging
Taipei Medical University via FutureLearn
Learn about how the Internet of Things can help people aging well with this free online course.

Nutrition and Disease Prevention
Taipei Medical University via FutureLearn
Learn about the relationship between diet and disease and discover the role a nutrient-rich diet can play in disease prevention.

https://www.classcentral.com/report/elderly-care-online-courses/

To Produce a MOOC

Course Design ➔ Make up ➔ Filming ➔ Post production

Video bank ➔ Course execution
TMU MOOC Crew

Producers 萬序恬、黃雅娟
Directors 黃雅娟、李忠憲
Photography 李忠憲、黃昱紘
Editing 李忠憲、黃昱紘
Visual Effect 林怡珊
Course Engineering 陳佳能、林芊逸
Subtitles 林芊逸、林怡珊

Ecosystem Development

Courses
Professional production

Instructors
Seed teachers

Students
Community workshops

New Learners
K12 learners
Lifelong learners

Internship
Training
Career plan
Thank You