



開放與創新的雲端學 習模式

萬序恬 副資訊長
臺北醫學大學 資訊處
Hsu-Tien (Marian) Wan
Office of Biomedical Informatics
Taipei Medical University, TAIWAN



雲端時代的學習

誠 懷 · 開 懷 · 卓 越 · 創 新



誠 樸 · 開 懷 · 卓 越 · 創 新

Digital
migrates

1981

Digital
Natives



臺北醫學大學
TAIPEI MEDICAL UNIVERSITY

E-learning 2.0

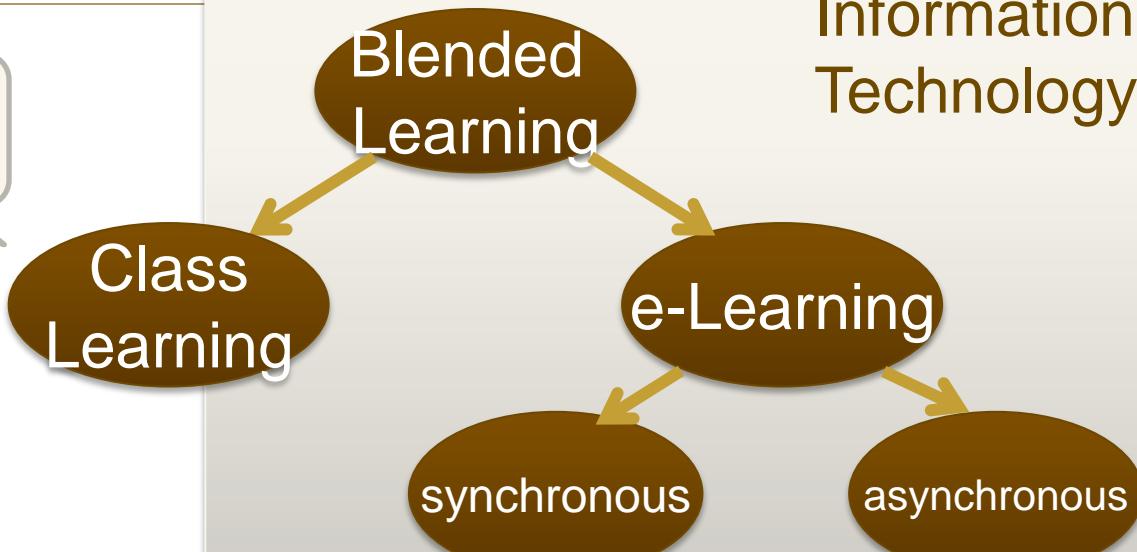
越 · 創新

	eLearning 1.0	eLearning 1.3	eLearning 2.0
Components	Courseware, authoring tool, LMS	Reference, LCMS, discussion groups	Wiki, Social Networking & Bookmarking, Add-ins, Mash-ups
Ownership	To organization	eLearning 1.0 & eLearning 1.3	eLearning 2.0
Development	Long term	Common (often novice)	Unique
Duration	60 days	Known, understood, stable content	Unknown, rapidly changing content
Timing	Prioritized	Large	Small
Delivery	At organization	Orientation Compliance (safety, sex harassment, etc.) Skills (management, communication, sales, etc.) Information (product, policies/procedures, process)	Tacit knowledge work Continuous learning
Access	LM		
Creator	ID		

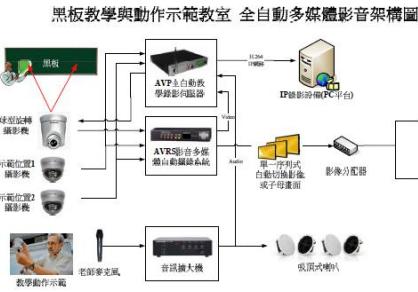
教學數位化、數位化學習

小 地 哲 濟 計 球 · 創 新

資訊講桌
IRS



3201
Conference Rooms
Webcast



MyTMU
My2TMU
MOD
XMS
Podcast
OCW
逢甲四十年
教-學-用
二代學習網

Tools

誠 樓 · 開 懷 · 卓 越 · 創 新

- Content recording:
 - Powercam®
 - Auto-tracking recording
- LMS
 - Asynchronous LMS: My2TMU
 - Synchronous LMS: Adobe Connect®, JoinNet®

The image displays three screenshots of educational software:

- My2TMU LMS Interface:** Shows the course management interface with sections for course functions (課程功能), recent activities (最新討論), and a detailed view of a recorded session titled "教材錄製(I) PowerPoint 模式".
- Adobe Connect Synchronous Meeting:** Shows a participant's view during a live video conference, including a sidebar with participants and a control panel.
- JoinNet Platform:** Shows a user interface for managing content sharing, including a list of files and a preview window.

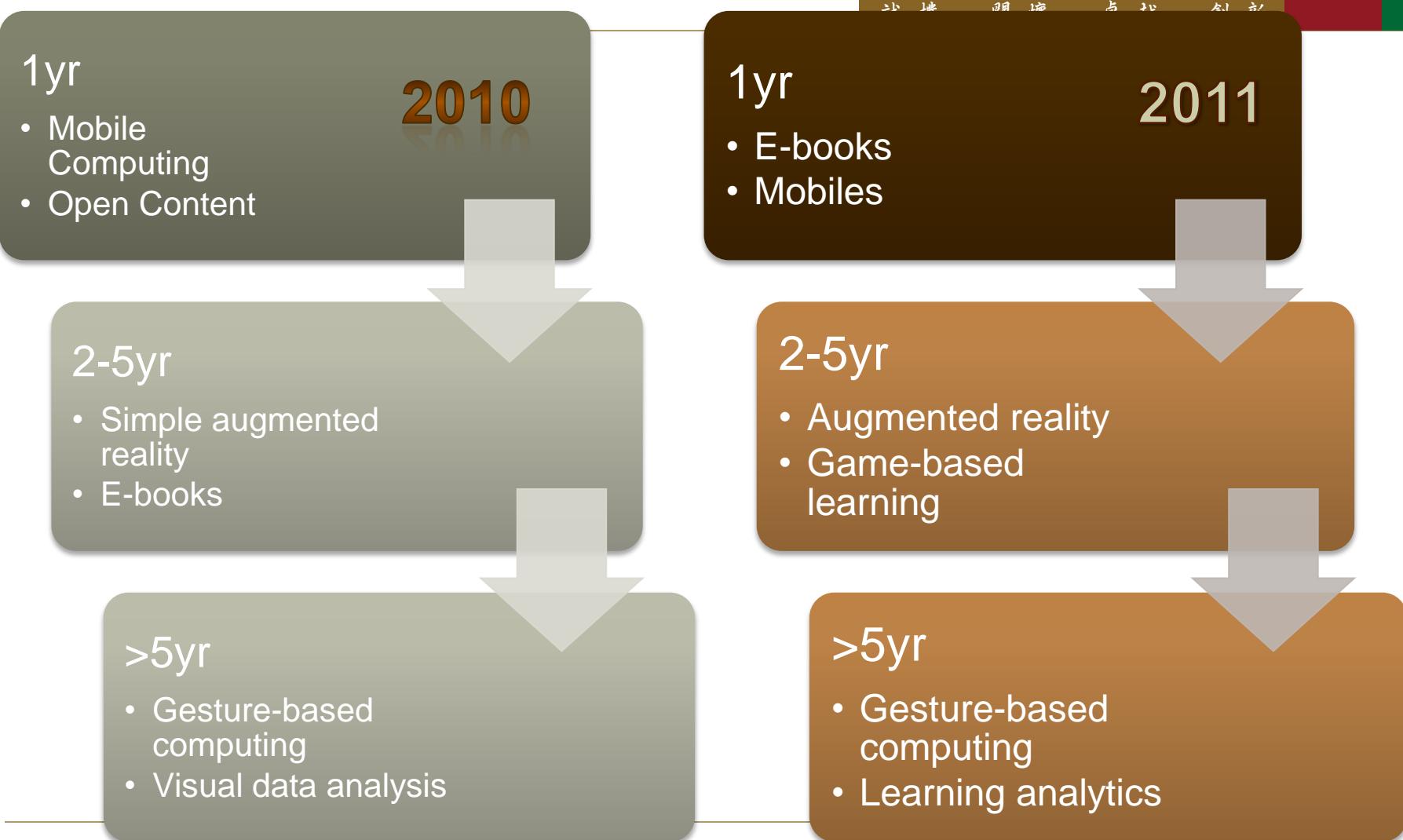
Cloud tools

誠 樸 · 開 懷 · 卓 越 · 創 新

- Screenr
- Smart pen
- Google docs
- 阿摩線上測驗



Horizon Report



Mobile



PC

iPad

Android

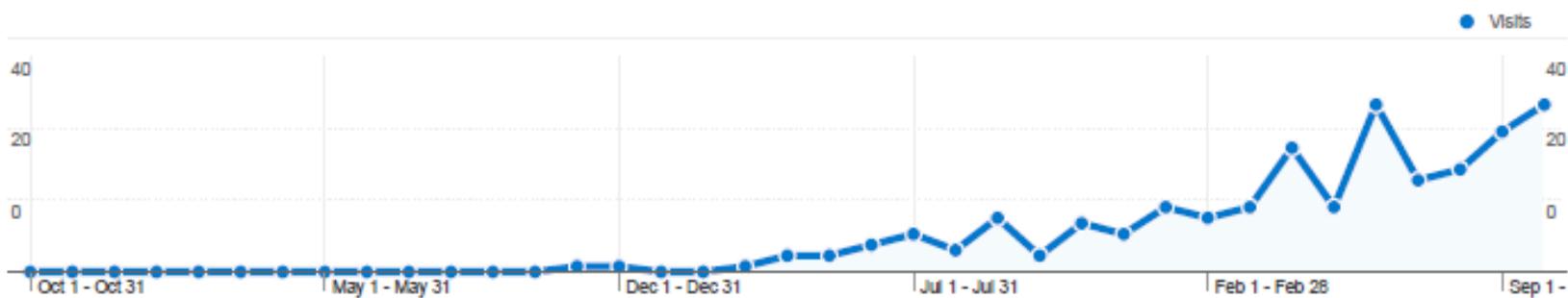
iPhone

Mobile usage in Cloud Learning

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TMU OCW
Mobile Devices

Oct 1, 2008 - Oct 31, 2011
Comparing to: Site



Visits	Pages/Visit	Avg. Time on Site	% New Visits	Bounce Rate
247	3.58	00:01:43	80.16%	27.94%
% of Site Total: 0.75%	Site Avg: 6.18 (-42.06%)	Site Avg: 00:03:13 (-46.54%)	Site Avg: 71.62% (11.93%)	Site Avg: 28.31% (-1.34%)
Operating System	Visits	Pages/Visit	Avg. Time on Site	% New Visits
iPhone	92	2.27	00:00:27	80.43%
iPad	87	4.67	00:02:59	72.41%
Android	50	3.80	00:01:36	90.00%
iPod	10	5.20	00:01:29	80.00%
Nokia	3	4.00	00:01:24	100.00%



誠 樸 · 開 懷 · 卓 越 · 創 新

http://www.ted.com/talks/lang/chi_hant/salman_khan_let_s_use_video_to_reinvent_education.html

處處是教室-開放教育資源



NCTU OCW Chronicle

交大開放式課程網站的發展

Until Sep. 2011, published 104 courses,
including 82 full video courses



OCW--Johns Hopkins Bloomberg School of Public Health

JHSPH OPEN COURSEWARE
Johns Hopkins Bloomberg School of Public Health

SEARCH Find individual content listed by topic or [view a complete list of content](#)

The Johns Hopkins Bloomberg School of Public Health's OPENCOURSEWARE (OCW) project provides access to content of the School's most popular courses. As challenges to the world's health escalate daily, the School feels a moral imperative to provide equal and open access to information and knowledge about the obstacles to the public's health and their potential solutions.

CONTENT BY TOPIC

Most Recent Content	HIV/AIDS
Adolescent Health	Infectious Disease
Aging	Injury Prevention
Behavior and Health	Maternal and Child Health
Biostatistics	Mental Health
Chronic Diseases	Nutrition
Environment	Population Science
General Public Health	Presentations
Genetics	Public Health Preparedness
Global Health	Refugee Health
Health Policy	

[Visit the new OCW Image Library](#)

Please take our [survey](#)



Tropical Environmental Health

To learn more about the School and [for-credit classes](#), we invite you to explore our website: www.jhsph.edu

The Bloomberg School's OCW

- Does not require that participants register
- Does not grant degrees or certificates
- Does not provide access to JHSPH faculty
- Requires acceptance of conditions of use

To receive the upcoming free OCW newsletter via email, please [click here](#) to register. We will not share your information with any third party.

We have provided [Frequently Asked Questions](#) to assist you in navigating the site, and we



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- 2004 上線
- 2011: 102 門
- 60,000 users/month
- Topics: Public Health Graduate courses
- 特色：
 - 公衛認證課程
 - OCW Image library



OPEN COURSEWARE
CONSORTIUM

OCW--Tufts University

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TUFTSOPENCOURSEWARE
TUFTS UNIVERSITY

HOME | SCHOOLS | COURSES | ABOUT OCW | TUFTS OER | HELP | FEEDBACK | CONTACT | SUPPORT TUFTS OCW

Courses by School

- School of Dental Medicine
- School of Medicine
- Friedman School of Nutrition Science and Policy
- Cummings School of Veterinary Medicine
- School of Arts and Sciences
- The Fletcher School
- University Seminar
- Tufts Open Educational Resources (OER)

Why OpenCourseWare?

A great university constantly expands its reach, working across traditional boundaries to grasp and meet the global community's most critical needs. This begins with sharing knowledge among colleagues between departments, among schools and finally across countries and continents.

Recent article: Read "Expanding the reach of health sciences education and empowering others: the OpenCourseWare initiative at Tufts University," published in *Medical Teacher* in January, 2008.

Basic Human Pathology

This course includes the teaching of both general and systemic (organs) pathology. It is a transition course between the other basic science courses and the clinical sciences of dentistry.

Tufts OCW

- Publishes Tufts course materials
- Does not require any registration
- Does not grant credit, degrees, or certificates
- Does not provide access to Tufts faculty; however feedback is shared

Please send us your feedback

User Profiles and Statistics

Click on red dots to see worldwide user responses and statistics

Most Viewed Courses

Through OpenCourseWare, Tufts aims to share its expertise broadly and to empower others throughout the world, so they may reach their full potential."

Tufts OCW is funded jointly by:

- The William and Flora Hewlett Foundation
- The Kurtz Family Foundation
- The Jonathan M. Tisch College of Citizenship and Public Service

- 2005 上線
- 2011: 49門
- Topics:
 - 醫學
 - 牙醫學
 - 營養學
 - 獸醫學



OCW--台灣大學

誠 應 · 開 應 · 卓 越 · 創 新

The screenshot shows the homepage of the NTU OCW platform. At the top, there is a logo for National Taiwan University (NTU) and the text "OpenCourseWare" and "臺大開放式課程". Below the header, there are two dropdown menus: "選擇課程類別" and "選擇課程名稱". A large image of a university building serves as the background for the main content area. On the left, a sidebar menu includes links for "首頁", "全部課程", "關於我們", "相關連結", "版權使用", and "臺大首頁". The main content area displays three course entries under the category "生命科學類": 1. "從現代生物學看人類行為" by 謝豐舟等, featuring a portrait of a person. 2. "植物與糧食" by 生物資源暨農學院農藝學系, 劉麗飛, featuring images of various plants. 3. "演化、宇宙、人" by 理學院天文物理研究所, 侯維恕, featuring a small image of a starry sky.

- 2010 上線
- 2011: 44門
- 生命科學類: 11門
- Topics: Life science related



OCW--臺北醫學大學

誠 應 · 開 懷 · 卓 越 · 創 新

The screenshot shows the TMU Open Course Ware homepage. On the left, there's a sidebar with links for 'Course Contents', 'Seminar in current nursing issues Home', 'Instructor: Yann-Fen C. Chao Professor College of Nursing', and 'Course Structure: 2 Hour long classes - one time a week'. The main content area displays a course titled 'Seminar in current nursing issues' with a sub-section '綜合護理專題討論'. It features a thumbnail image of a red flower branch, the title 'Seminar in current nursing issues', the instructor's name 'Yann-Fen C. Chao Professor College of Nursing', and the course structure '2 Hour long classes - one time a week'. Below this, there's a 'Course Description' section with a detailed text about how nursing relates to society and various viewpoints. At the bottom, there's a Creative Commons license notice.

- 2007站台上線
- 2008第一門課程
- 2011: 62門
- Topics: mostly health science related
 - 醫學
 - 牙醫學
 - 護理學
 - 通識



臺北醫學大學
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除了OCW之外的OER

誠 樓 · 開 懷 · 卓 越 · 創 新

Podcast: iTunesU 不同平臺模式範例

The screenshot shows the iTunes U website interface. At the top, there's a search bar and a navigation menu. Below it, a featured course is displayed: "Developing Apps for the iOS" from Stanford University. To the right, there are links to "Buddhist Economics", "HARVARD EdCast", "HIDDEN TREASURES", and "LIBRARY OF CONGRESS". A sidebar titled "iTunes U QUICK LINKS" includes links to "Universities & Colleges", "Beyond Campus", "K-12", and "iTunes U Power Search". Another sidebar titled "TOP DOWNLOADS" features a video thumbnail of a Harvard lecture. The main content area lists various courses under "Noteworthy" and "See All >". Examples include "ABCs of Education" by the University of Alabama, "Radio Open Source" by Brown University, "Conociendo el Tercer Mundo" by Universidad Veracruzana, "Media Research" by Arizona State University, "Health Topics and Issues" by Endeavour College, "Building a Business" by Yale University, "Introduction to Physics" by MIT, "The Library of Congress" by Library of Congress, "Pygmalion meets..." by Open University, "Science Events" by UC Berkeley, "Building a Business" by the University of Oxford, "Zombies in Literature" by the University of Alabama, "Ancient Greece & Rome" by the British Museum, and "Introduction to Biology" by MIT OpenCourseWare.

<http://www.apple.com/itunes/whats-on/#itunesu>

Supercourse (Public Health) 非校方機構模式範例

The screenshot shows the Supercourse website. At the top, there's a banner for "JIT lecture - 2010 ATLANTIC BASIN TROPICAL STORM SEASON". Below it, a section titled "What is the Supercourse?" lists links such as "Overview", "Editorial Board of the Supercourse", "Supercourse Developers", "Supercourse Supporters", "Internet Resources", "Publications", "Supercourse Mirror Sites", and "Supercourse Newsletters Archive". Another section titled "Want to join us?" lists links for "How to Join the Supercourse Faculty?", "Instructions for authors", "CD/DVD download", and "MPHP program in Pittsburgh". On the right, sections include "Supercourse Lectures" (with links for "Lectures by Topic", "Lectures by Author", "Lectures by Key Words", "New Lectures", "All Lectures", "Golden Lecture of Prevention", and "Global Health lecture"), "Supercourse Special Lectures" (with links for "Supercourse Courses and Special Pages", "Supercourse Legacy Lectures", "Supercourse Lectures in Power Point Format", and "BA Science Supercourse"), and "Supercourse Topics" (with a "Google Translator" and "Google Bookmarks for Supercourse topics"). At the bottom, there's a "Sharing of the Global Health Lecture" section with a video player showing "77 : 14 : 56 : 12" and a "Donate to Supercourse" button.

<http://www.pitt.edu/~super1/>
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除了OCW之外的OER

誠 應 · 開 應 · 卓 越 · 創 新

SPIRAL (Patient Information) 特殊主題翻譯範例

 S*P*I*R*A*L
Selected Patient Information in Asian Languages

Information by Topic: Chinese 簡體中文 / 繁體中文

Information by Language: Chinese 簡體中文 / 繁體中文

Cambodian Khmer
Chinese 簡體中文 / 繁體中文
Hmong Hmoob
Japanese 日本語
Korean 한국어
Lao Lao
Thai ไทย
Vietnamese Tiếng Việt

Patient Information by Language:
Chinese 簡體中文 / 繁體中文

SPIRAL provides access to the following patient information documents created by non-profit health agencies and organizations. For information on how information is selected for inclusion, please see the [SPIRAL Selection Guidelines](#). All documents are intended for public use and may be distributed for not-for-profit purposes.

The information provided does not imply medical recommendation or endorsement. The information provided should not be used as a substitute for consultation with a health care provider. All medical information needs to be carefully reviewed with your health care professional.

**** Information on Swine Flu and Pandemic Influenza ****

Topics (English and Chinese Traditional 繁體中文 / Simplified 簡體中文)

Web Resources
Suggest a Resource
About SPIRAL
Contact Us
SPIRAL Home

Translated Nurse-to-Patient Communication Handout
Source: EthnoMed/Harborview Medical Center - Seattle, WA

Chinese - Simplified 簡體中文 / English
Chinese - Traditional 繁體中文 / English

Other web sites with Chinese 繁體中文 / 簡體中文 language resources

Alzheimer's Association
Asian and Pacific Islander Cancer Education Materials Tool

<http://spiral.tufts.edu/chinese.shtml>

OOPS (OCW Translation) 非校方機構翻譯模式範例

MyOOPS開放式課程

來自全球頂尖大學的開放式課程，現在由世界各國的數千名義工志工為您翻譯成中文。請免費享用！

請加入會員以使用更多個人化功能

目前身分: 一般訪客

瀏覽/搜尋課程
個人化首頁
個人資料維護
回主畫面
語言必讀
>使用指南<
意見回饋
對系統課程總覽
MYOOPS原站

OOPS 需要您的幫忙！ 捐筆小數項
讓華文世界最大的開放式課程翻譯可以繼續

TED Yale University HARVARD UNIVERSITY

全影像課程上線
OOPS使用動態問答調查

為了能幫助我們更了解 OOPS (開放式課程) 的使用者，本調查還誠邀請您參與。您所提供的資料將會被用來改善 OOPS 開放式課程線上入口網站的設計與服務，以增加 OOPS 開放式課程的使用率及學習效果。[按此](#)觀看前階段調查結果。

>>認領指南<<

最新匯入課程

2009春季課程：全球人口成長問題
2008秋季課程：翻譯的但丁
2008春季課程：羅馬建築
2008秋季課程：1648-1945年間的歐洲文明
2007冬季課程：當代詩歌
2009春季課程：文學理論導論
2009春季課程：演化、生態與行為導論
1871後的法國
南北戰爭與重建時期 1845-1877
米爾頓

近期上線課程

正義：一場惡劣之旅
Harvey Fineberg 談我們準備好新演化了嗎？
Anil Ananthaswamy 論如何進行天體物理學的極致研究
Angela Belcher 論利用大自然製造電池
Roger Ebert 討論電影的聲音
Stanley McChrystal 談聆聽、學習、繼承領導
Chade-Meng Tan 談Google 每日生涯中慈悲
美德的實踐
Iain Hutchison 談接教容貌
Eric Whitacre 談2000美聲虛擬合唱團
Rogier van der Heide 論為何光需要黑暗
Ralph Langner 談21世紀電子武器Stuxnet

最新課程評論

您好找不到如何下載的地方請協助提供謝謝：
celiant(2005 春季課程：定價)

播選內容

MIT World演講: The Sounds of Music
Time Management by Randy Pausch
歐巴馬當選美國總統演講

個人好友名單

尚未啓用

熱門推推課程

Randy Pausch時間管理演講 (141)
正義：一場惡劣之旅 (103)
從血腥星期天到第一位黑人總統：歐巴馬的



IVERSITY
TAIPEI MEDICAL UNIVERSITY 1960

<http://www.myoops.org/main.php>

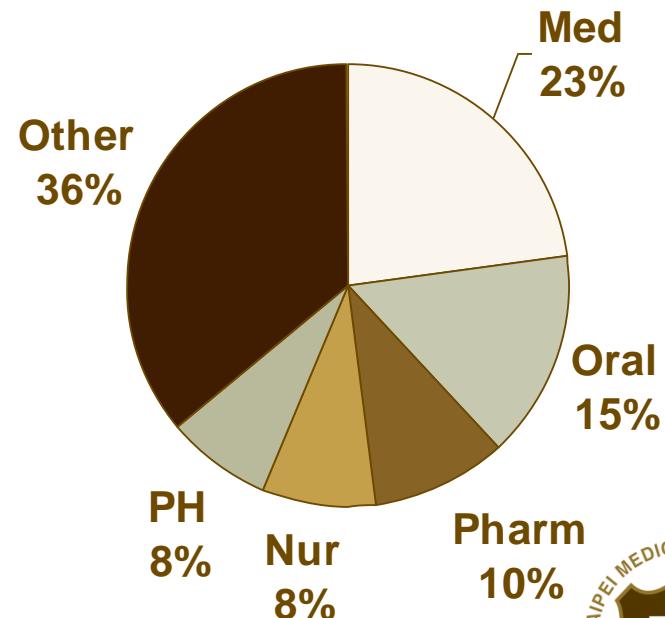
教學

BCC Course

誠 樸 · 開 懷 · 卓 越 · 創 新

Topic	OER	Homework
Introduction to the course		
Hardware (2 weeks)	V	Personal
Software	V	Team
Internet (2 weeks)	V	Personal
Surprise	V	Team
Multimedia	V	Personal
Security (2 weeks)	V	Team
Team Project Presentations		

Students' Majors



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研究



- Video recording lab seminars
- Knowledge preserve & driven
- Sustainability for their own research fields

位置: 首頁 > 全部社群 > 研究室博覽會

全部社群 | 版版 | 社團 | 實驗室 | 計畫 | 一般
權限: 全部 排序: 訪客

JackLab
For members of the JackLab on Medical Informatics
訪客: 110261, 文章: 748, 討論: 36, 成員: 31

醫資所徐教授實驗室(HSU LAB)
此為醫學資訊研究所徐建業教授所指導的實驗室社群, 若您對於電子病歷標準、資料交換、個人健康紀錄應該

許銘仁老師實驗室
護理學科 許銘仁老師實驗室
訪客: 1937, 文章: 0, 討論: 63, 成員: 12

蔡翠敏老師實驗室
尚無社群描述。
訪客: 1625, 文章: 48, 討論: 27, 成員: 6

分子營養實驗室
 分子營養研究室
Nutritional Genomic Lab. We focused on nutrients to genes interaction from Nutrigenetic to 訪客: 12505, 文章: 0, 討論: 40, 成員: 1

生物資訊資訊號處理實驗室
 台北醫學大學, 醫學資訊研究所, 溫文老師研究室。
訪客: 2104, 文章: 0, 討論: 31, 成員: 1

黃彥華老師實驗室
黃彥華老師實驗室
訪客: 1657, 文章: 35, 討論: 14, 成員: 1

生物資訊實驗室
尚無社群描述。
訪客: 1550, 文章: 0, 討論: 8, 成員: 14

相簿輪播 - 歷史照片
3 / 20 92-2.jpg

社群功能
社群首頁 | 文件區 | 楊蕙淇 | 行事曆 | 活動 (7) | 封面談 (40) | 即時塗鴉牆 | 指導 (8)

位置: 分子營養實驗室 > Reference Meeting

編號	標題	作者	人氣	討論	更新時間
220705	Effect of increased intake of dietary fiber in subjects with Type 2 Diabetes and risk of diabetes	林詩萍	28	0	10-24 14:53
209636	The role of diet in the prevention of colorectal cancer	陳建華	68	0	10-11 17:16
209320	Angiogenic Effect of Resveratrol in Animal Model of Hypercholesterolemic Myocardium	陳怡君	54	0	10-11 17:11
207693	Effects of Resistant Maltodextrin on Gastrointestinal Function and Lipid Absorption	鄭鈞源	42	0	10-11 17:16
177095	Oxidative Stress and the Development of Diabetic Retinopathy: Contributory Role of Matrix Metalloproteinase-2	劉怡君	133	0	09-12 12:29
173637	Soy Isoflavones supplementation effect on bone density	陳碧齊	143	0	09-12 12:29
173620	Gastrointestinal tolerance to an inulin-rich soluble roasted chicory extract after consumption in healthy subjects	楊佩淇	113	0	09-12 12:30
173349	Increased Consumption of Fish to Colorectal Cancer Risk	鄭又善	129	0	09-12 12:30

分子營養實驗室

Tw DRGs 與健康記錄管理

醫科所陳瑞明老師實驗室

JackLab

生醫奈微米成型實驗室

生物材料暨工程研究所

許銘仁老師實驗室

生醫資訊暨訊號處理實驗室

生醫質譜影像實驗室

Molecular Dynamic Lab

醫資所徐教授實驗室(HSU LAB)

BioPolymerInMedicine

生物機電實驗室

李仁愛老師實驗室

Friday_club

黃彥華老師實驗室

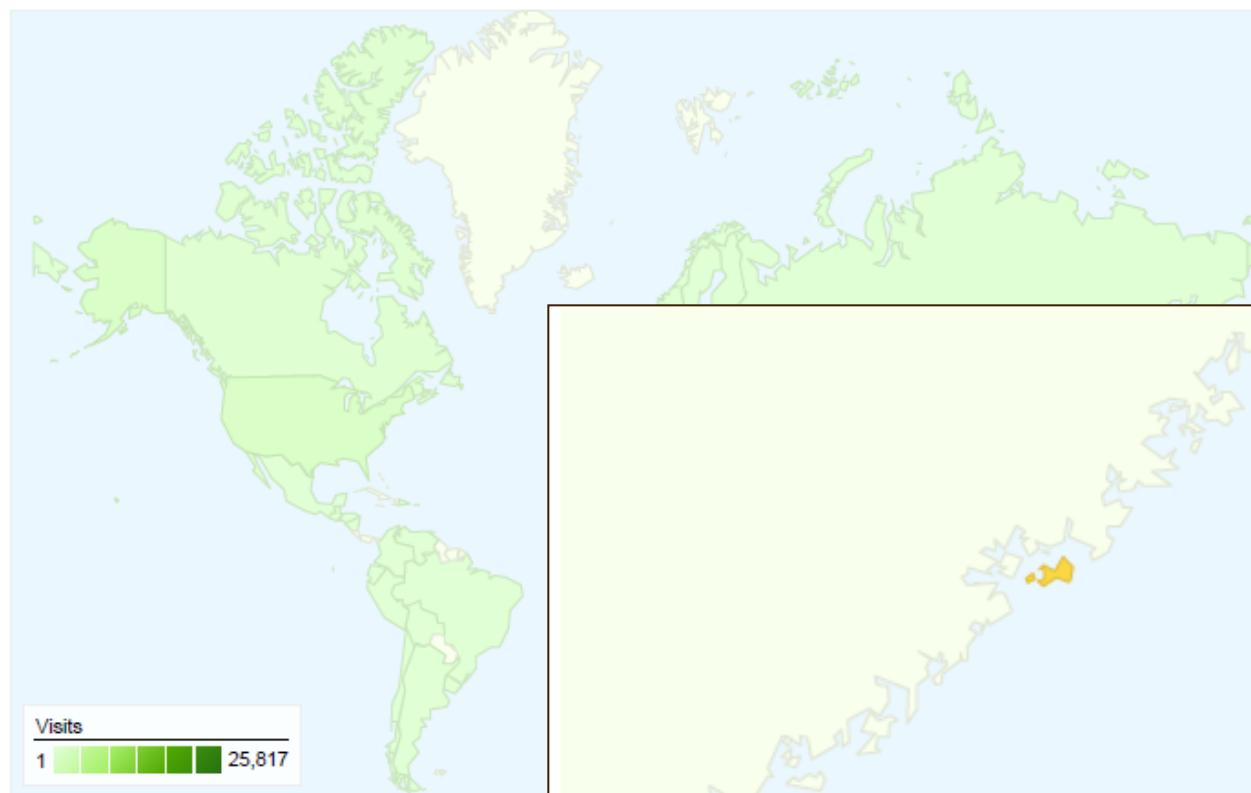
蔡翠敏老師實驗室

藥學所許明照老師實驗室

簡怡雯老師實驗室

楊淑惠研究室

薛玉梅老師研究室



32,860 visits came from 103 countries

Site Usage

Visits	Pages/Visit	Avg. Visits per User
32,860	6.18	5,476
% of Site Total:	100.00%	Site Avg:

Visits	Pages/Visit	Avg. Visits per User
6.18	6.18 (0.00%)	5,476
Site Avg:	6.18 (0.00%)	Avg. Visits per User

Country/Territory

Taiwan

Visits

25,817

China

Hong Kong

United States

Canada



This country/territory sent 25,817 visits via 34 cities

內容與歷史事件標註

誠 應 · 開 懷 · 卓 越 · 創 新

範例：北醫數位學習社群網
統計區間：2011/3/1~4/30

Mar 1, 2011 - Apr 28, 2011 ▾

Content Detail:
[/course/6882](#)



This page was viewed 4,275 times

In-page link

範例：北醫中文官網
統計區間：2011/3/1~4/30

http://www.tmu.edu.tw/v3/students/super_pages.php?ID=students

內容詳情

- 47,281 激覽量
- 42,048 不重複瀏覽量
- 00:00:27 網頁停滯時間
- 28.72% 跳出率
- 13.40% 離開
- 26.69% 進入/瀏覽量
- US\$0.00 價值指標

最佳客源

- 語言 44,952 zh-tw (95.1%)
- 國家/地區 47,099 Taiwan (99.6%)

最佳技術

- 螢幕解析度 13,767 1024x768 (29.1%)
- 作業系統 45,425 Windows (96.1%)
- 瀏覽器 36,378 Internet Explorer (76.9%)

入站來源

路徑	點擊	% 點擊
1 N3/	27,981	59.18
2 (entrance)	12,617	26.69
3 N3/students/super	1,694	3.58%

My2TMU 48%

路徑	點擊	% 點擊
13 N3/tmu_url.php?u=91	0.19%	1.31%
14 N3/app/news.php?i=88	0.19%	1.28%
15 N3/app/news.php?i=73	0.15%	1.64%

Webmail 16%

路徑	點擊	% 點擊
13 N3/tmu_url.php?u=91	0.19%	1.57%
14 N3/app/news.php?i=88	0.19%	1.41%
15 N3/app/news.php?i=73	0.15%	1.35%

出站統計

路徑	點擊	% 點擊
1 N3/tmu_url.php?u=19,600	47.87%	42.23%

臺北醫學大學

TAIPEI MEDICAL UNIVERSITY

Google 搜尋 THU www 搜尋

學生

個人資料

聯繫

校園資源

課外活動

學習

商務轉道

大學

INIVERSITY

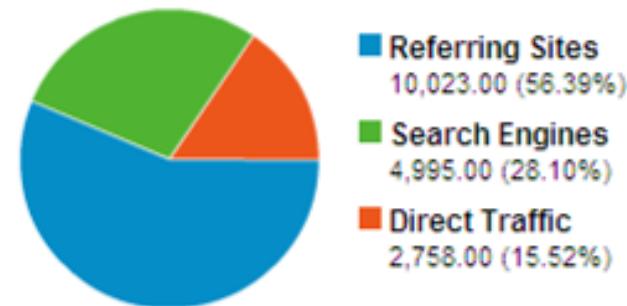
The screenshot shows the homepage of Taipei Medical University's Chinese website. It features a banner with the university's name and building images. Below the banner is a search bar and a navigation menu with links like '認識北醫' (About TMU), '學術單位' (Academic Units), '行政單位' (Administrative Units), '附屬醫院' (Affiliated Hospitals), '電子報' (E-newsletter), '招生資訊' (Admission Information), '人力招募' (Recruitment), '研究成果' (Research成果), '校園生活' (Campus Life), and '公開資訊' (Public Information). The main content area includes sections for '學生' (Student), '個人資料' (Personal Information), '聯繫' (Contact), '校園資源' (Campus Resources), '課外活動' (Extra-curricular Activities), '學習' (Learning), and '商務轉道' (Business Transfer). On the left, there is a sidebar with '最佳客源' (Best Guests) and '最佳技術' (Best Technology) reports, and a 'My2TMU' section. At the bottom right is the university's logo.

Trend Analysis

範例：北醫OCW網
統計區間：2007/6/1~2010/10/31

All traffic sources sent a total of 17,776 visits 2007~2010

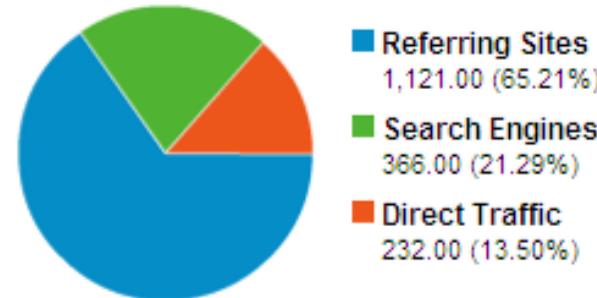
- 15.51% Direct Traffic
- 56.38% Referring Sites
- 28.10% Search Engines



TOCWC Site index (Mar. 2010)

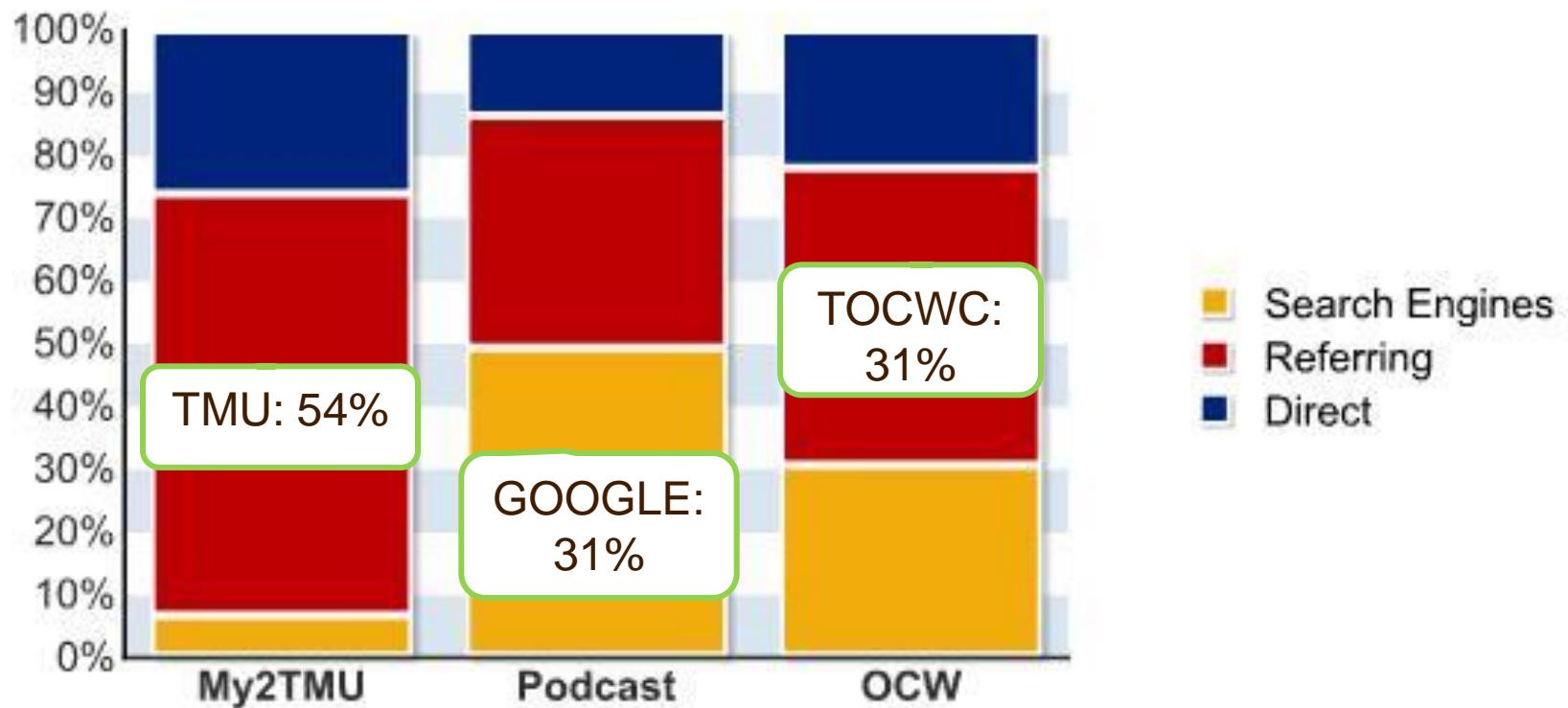
All traffic sources sent a total of 1,719 visits Oct. 2010

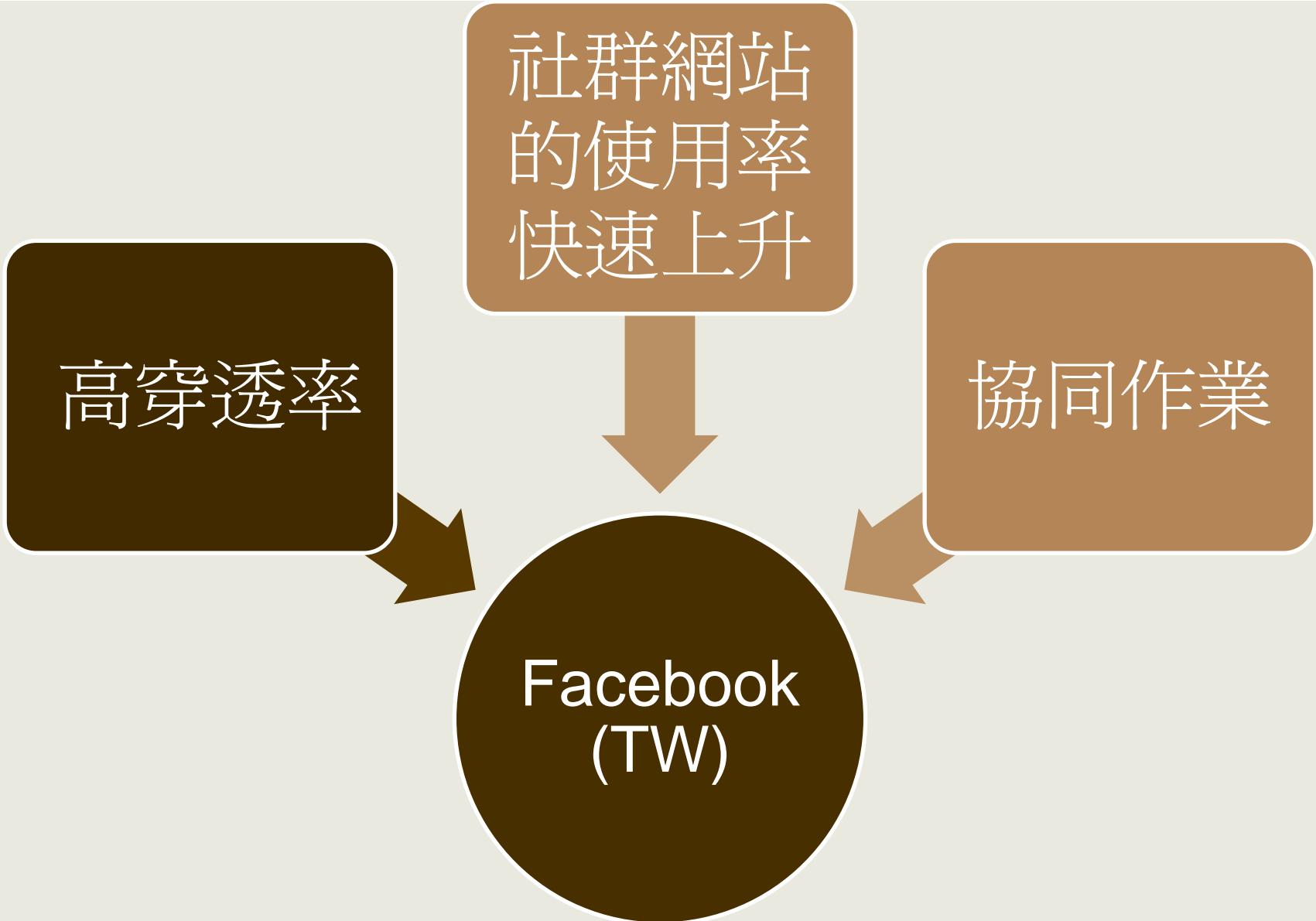
- 13.50% Direct Traffic
- 65.21% Referring Sites
- 21.29% Search Engines



Cross sites comparison

誠 樸 · 開 懷 · 卓 越 · 創 新





擴增實境AR

誠 樸 · 開 懷 · 卓 越 · 創 新



Mini Getaway AR Game



QR Code



台灣玩透透





Thank You

wanhsu@tmu.edu.tw

TMU OER:

<http://ocw.tmu.edu.tw>

<http://podcast.tmu.edu.tw>

<http://my2.tmu.edu.tw>