



On the Way to Common Core

Sharing of an Enthusiastic Amateur

Prof CC Chang

Academic Director
Undergraduate Core Education
Academic Registry

6 January 2017

HKUST Education

Common Core

120 credits – 4 Years

????

Migration

General Education

101 Credits – 3 Years

18 GE credits

12 SHSS

6 Other schools

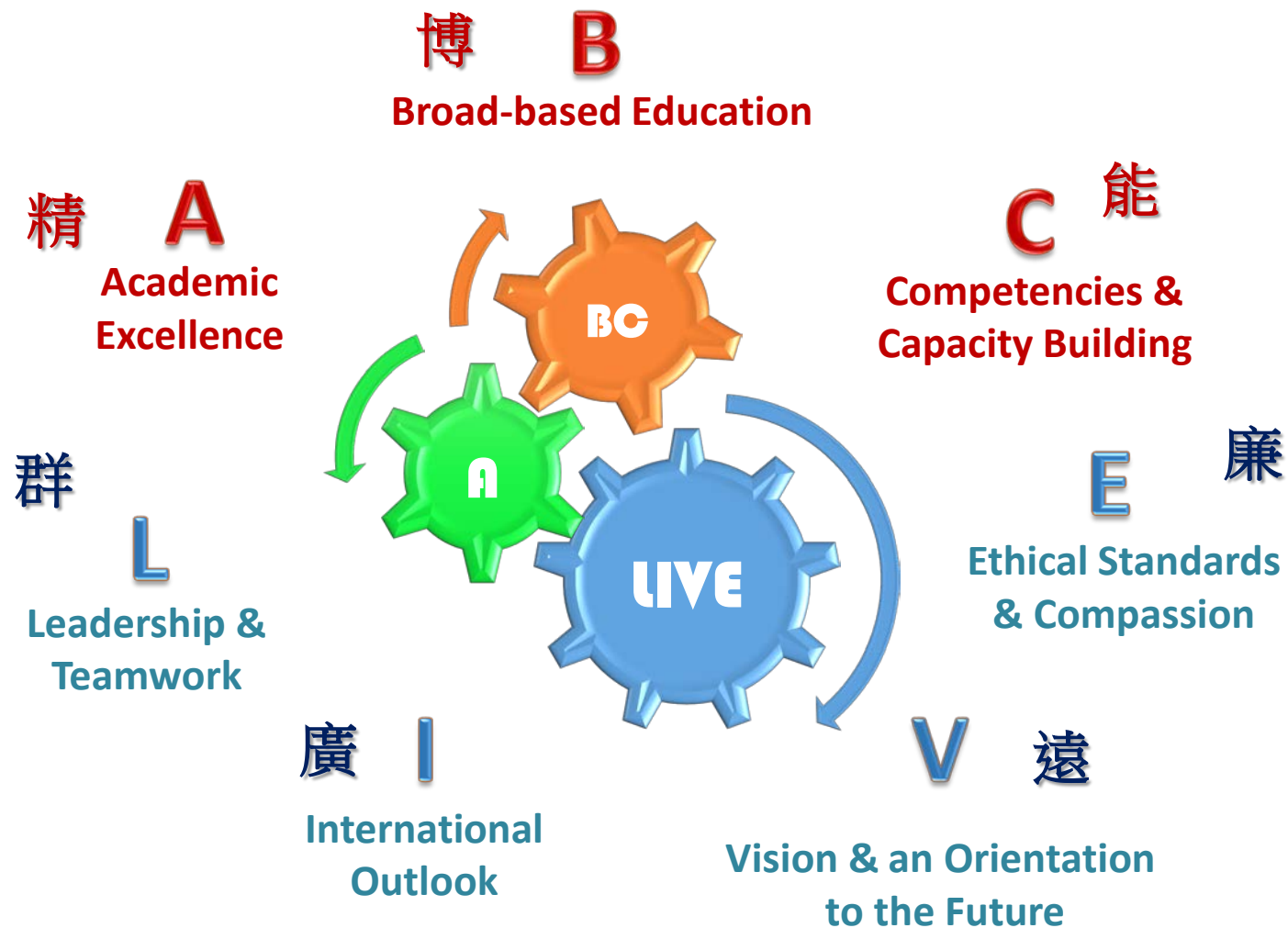
3-7 English

School	SSCI	SENG	SBM	SHSS	IPO	Sum
Program	9	13	12	1	3	38
UG	2156	3284	3298	221	422	9381
Faculty	154	194	149	151	15	663
UG/Faculty	14	17	22	1.5	28	14

Facts and Figures 2016

HKUST Education

Desired Attributes for HKUST Graduates





Goals of Common Core Program

Provide students with a well-rounded quality education that **broadens their horizons**, **inspires and ignites their passion for learning** and **empowers them for lifelong pursuit of excellence**.

Broaden
horizons



Inspire
passion for learning



Empower
lifelong pursuit of excellence



*A Program to **Broaden**, to **Inspire**
and to **Empower***



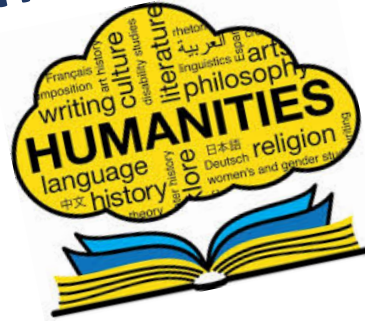
Goals and Objectives

Goals	Objectives
Broaden horizons	Provide courses across and beyond academic disciplines
	Instill knowledge on human achievements
Inspire passion for learning	Spark passion for learning
	Develop skills to analyze and solve problems
Empower lifelong pursuit of excellence	Develop communication and computer skills
	Develop desired attributes
	Cultivate responsible, ethical and compassionate citizens
	Manage life and contribute to community



Common Core Areas

Humanities



Social Analysis



Science & Technology



Quantitative Reasoning



Arts



English Communication



Chinese Communication



Healthy Lifestyle



Details from the UCE website: http://uce.ust.hk/web/about/about_outcomes.html

Delivery of Program Objectives

Common Core Areas ILOs		Common Core Goals and Objectives							
		Goal 1 Broaden Horizons		Goal 2 Passion for Learning		Goal 3 Lifelong Pursue of Excellence			
		Obj 1	Obj 2	Obj 3	Obj 4	Obj 5	Obj 6	Obj 7	Obj 8
Humanities	ILO1	•	•	•	•	•	•	•	•
	ILO2	•	•	•	•	•	•	•	•
Social Analysis	ILO1	•	•				•		
	ILO2							•	•
Science & Technology	ILO1	•	•						
	ILO2	•	•						
Quantitative Reasoning	ILO1				•	•			
	ILO2				•	•			
Arts	ILO1	•	•						
	ILO2	•	•						
E-Comm	ILO1					•			
C-Comm	ILO1					•			
	ILO2					•			
Healthy Lifestyle	ILO1						•		•
	ILO2				•				•
	ILO3							•	•



Common Core Requirement

Common Core Area	Credits		Note
	Required	Elective	
Humanities (H)	6*	6	* 3 credits must be from H SSCs
Social Analysis (SA)	6*		* 3 credits must be from SA SSCs
Science and Technology (S&T)	6*		* 3 credits must be from S&T SSCs
Quantitative Reasoning (QR)	3		
Arts	0		
English Communication	6**	Nil	**Must be taken in the 1st year of study
Chinese Communication	3	Nil	
Healthy Lifestyle	Non-credit	Nil	
Total Credits Required	36		<i>[Note: "SSCs" denotes "School-Sponsored Courses"]</i>



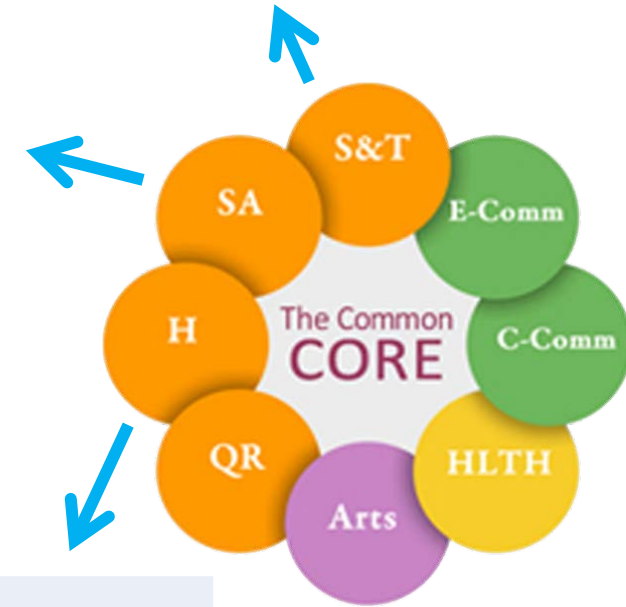
School-Sponsored Course (SSC)

- Exemplify attainment of the 3 goals of the Common Core in course design, content, pedagogy & delivery
- Support attainment of the desired attributes for HKUST graduates, *ABC LIVE*
- Transcend disciplinary areas

LIFS	1030	Environmental Science
PHYS	1003	Energy and Related Environmental Issues
SCIE	1110	Great Ideas in Science
SCIE	1120	Chemistry and Life
SCIE	2000	Space, Time and Motion
CIVL	1160	Civil Engineering and Modern Society
ELEC	1010	Electronic and Information Technology
ENGG	1110	Engineering Solutions to Grand Challenges of the 21st Century
ENGG	1130	The Impact and Value of Technology Innovation
ENGG	1150	Information Technology Revolution: Past, Present and Future


ISOM	1380	Technology and Innovation: Social and Business Perspectives
ISOM	1500	Insightful Decisions
MGMT	1120	Developing the Leader in You
MGMT	1130	Traps and Pitfalls in Judgment and Decision Making
SHSS	3001	Large Datasets, New Facts, Huge Comparisons: A New History for a New China, 1700-2000
SOSC	1350	Contemporary China: Continuity and Change
SOSC	1661	Contemporary Hong Kong: Government & Politics
SOSC	1662	Contemporary Hong Kong: Society
SOSC	1663	Contemporary Hong Kong: Critical Issues
SOSC	1850	Understanding Society
SOSC	1960	Discovering Mind and Behavior
SOSC	1980	Psychology and Everyday Life

HUMA	1000	Cultures and Values
HUMA	1001	Foundational Texts in the Humanities
SHSS	3001	Large Datasets, New Facts, Huge Comparisons: A New History for a New China, 1700-2000



Common Core Courses

- Able to broaden students' horizon and exposure
- No prerequisite and open to ALL students
- Enhance students' competencies in communication, quantitative reasoning, and critical thinking
- Challenge students to consider social, cultural, or philosophical issues



Common Core
Teaching Excellence Award 2016

● Recognizing Outstanding Common Core Course Instructors and Courses

Well-designed and taught
Inspiring
S&T
HLTH
SA
Arts
C-Comm
Challenge students to think
H
Broadening
Spark passion to learn
E-Comm
Innovative
QR
Liberating the mind

Open for nominations from faculty, staff, students or alumni

Closing Date: 13 January 2017

One Award (HK\$20,000)
Up to 3 Honorary Mentions (HK\$10,000 each)

Inquiry: ucoreaward@ust.hk
<http://uce.ust.hk>

THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

香港科技大學
THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

Credit Transfer for Common Core

Public Examination

International Baccalaureate Diploma (IB)
General Certificate of Education
Advanced Level (GCEAL)
Hong Kong Advanced Level
Examination (HKALE)

9 University Common Core credits,
including 3 credits each for Humanities, Social Analysis,
and Science and Technology (non-School-Sponsored
Courses)

Local Post-secondary Awards

Specific local Associate Degrees
Specific local Higher Diplomas

9 University Common Core credits,
including 3 credits each for Humanities, Social Analysis,
and Science and Technology (non-School-Sponsored
Courses);

12 unassigned free credits



Credit Transfer for Common Core

ENGLISH QUALIFICATIONS	CRITERIA
IELTS	7.0 or above (with no sub-score lower than 6.5)
TOEFL Paper-based	600 or above, <u>and</u> 5 or above on TWE
TOEFL Internet-based	100 or above, <u>and</u> 24 or above on Writing
HKAL	B or above (with no sub-score lower than C)
HKDSE	5* or above (with no sub-score lower than 5)
Certificate in Advanced English	B or above
AP Eng Lang and Comp/ Lit & Comp	4 or above
IB English A (HL/SL)	4 or above
IB English B (HL/SL)	6 or above
GCEOL/GCSE/IGCSE English (First Language)	A*
GCE AL & AS English	A



SCHOOLS	English in the Core Curriculum	School-based English	Department-based English
SBM		<ul style="list-style-type: none"> LABU 2050 	<ul style="list-style-type: none"> LABU 2020 CENG 3910 CENG 3920 CENG 3926 CENG 3927 CENG 4911 CENG 4912 CENG 4913 LANG 4030 LANG 4031 LANG 4032 LANG 4033 LANG 4034
SENG		<ul style="list-style-type: none"> LABU 2051 LABU 2052 	<ul style="list-style-type: none"> LANG 3010 LANG 3011 LANG 3012 LANG 3013 LANG 3014
SSCI	<ul style="list-style-type: none"> LANG 1002 LANG 1003 	<ul style="list-style-type: none"> LANG 2010 LANG 2030 	<ul style="list-style-type: none"> LANG 3016 LANG 4012 LANG 4013 LANG 4014 LANG 4015 LANG 4016 LANG 4017
SHSS		<ul style="list-style-type: none"> LANG 2070 LANG 2082 LANG 2083 	<ul style="list-style-type: none"> LANG 3070 LANG 4070
IPO			<ul style="list-style-type: none"> RMBI 4980 RMBI 4990 LANG 3081

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For students with local post-secondary qualification

Credit Transfer for Common Core

Exchange Program

Course-credit transfer

- Transferred course is equivalent to a specific HKUST course

Credit-only transfer


- Only credits are transferred



Challenges

Students/faculty are unaware of the purpose/value of Common Core

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Recognizing Outstanding Common Core Course Instructors and Courses

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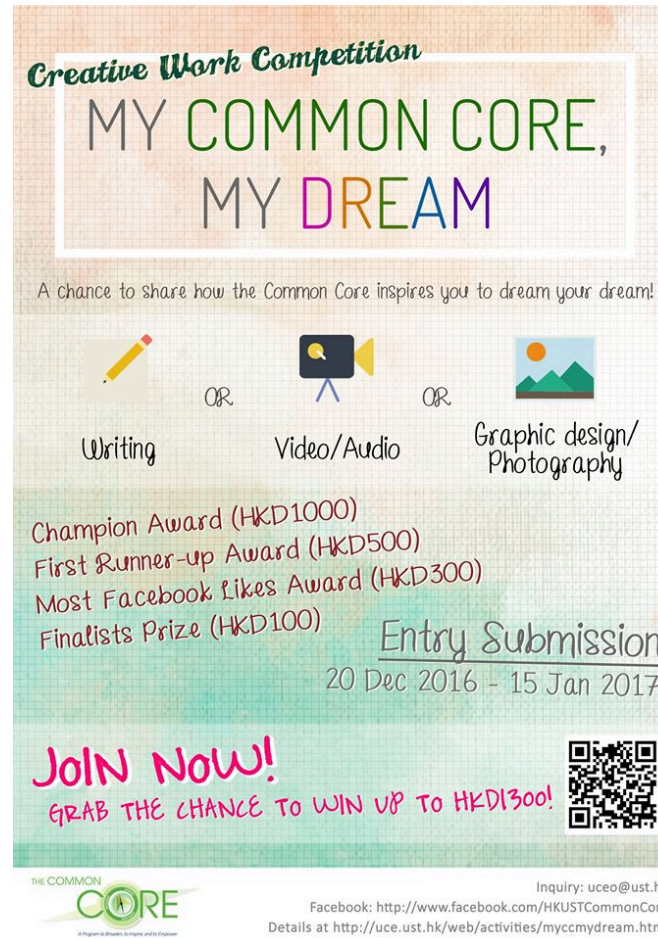
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香港科技大學 THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY



Creative Work Competition
MY COMMON CORE, MY DREAM

A chance to share how the Common Core inspires you to dream your dream!

Writing OR Video/Audio OR Graphic design/Photography

Champion Award (HKD1000)
First Runner-up Award (HKD500)
Most Facebook Likes Award (HKD300)
Finalists Prize (HKD100)

Entry Submission
20 Dec 2016 - 15 Jan 2017

JOIN NOW!
GRAB THE CHANCE TO WIN UP TO HKD1300!

THE COMMON CORE
A Platform to Broaden, to Inspire, and to Challenge

Inquiry: uceo@ust.hk
Facebook: <http://www.facebook.com/HKUSTCommonCore>
Details at <http://uce.ust.hk/web/activities/myccmydream.html>



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「弦夢成真」師友計劃試音

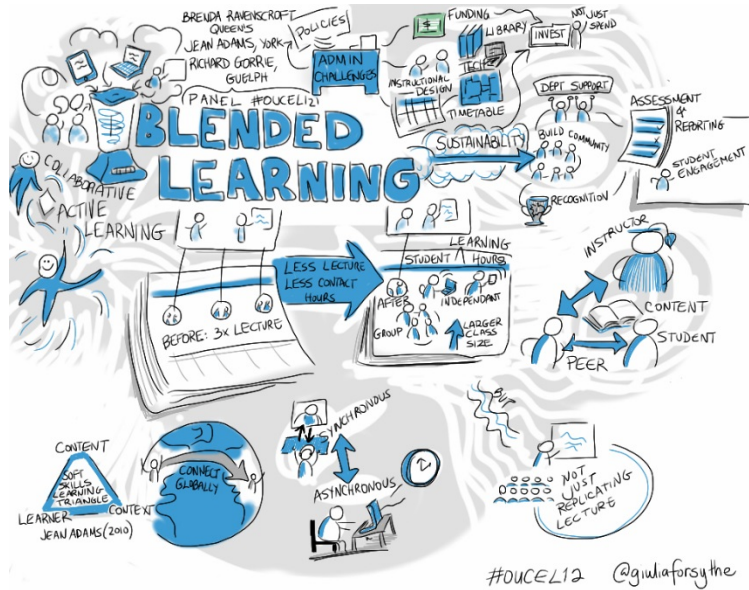
Audition Videos Submission Deadline: 16 Jan 2017
Detailed instructions to be provided upon receipt of application

姚珏 Yao Jue
香港弦樂團音樂總監
Artistic Director of Hong Kong String Orchestra

香港弦樂團獲香港特別行政區政府「藝能發展資助計劃」的資助資助。
Hong Kong String Orchestra is financially supported by the Springboard Grant under the Arts Capacity Development Funding Scheme of the Government of the Hong Kong Special Administrative Region.

Challenges

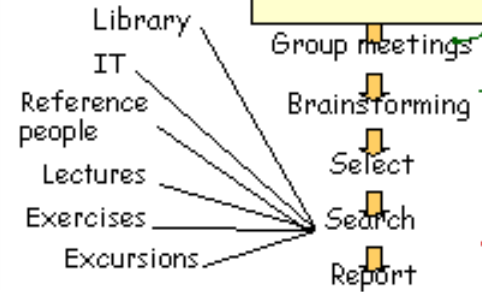
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Problem based learning

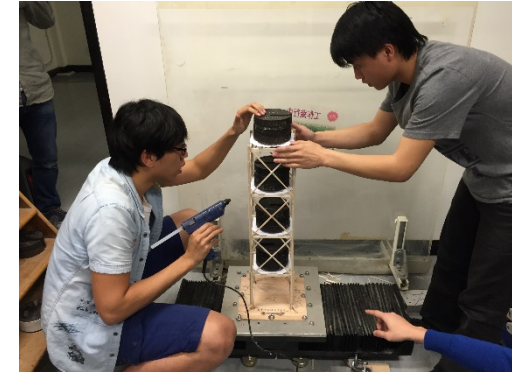


Self-directed learning process



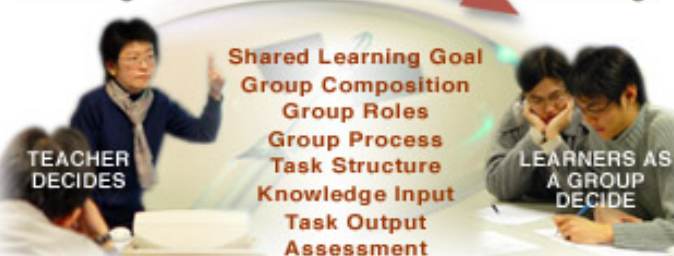
Tutor

Knowledge Skills



Cooperative Learning

Collaborative Learning





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