

# THE DEMAND FOR NEW KNOWLEDGE & INTERDISCIPLINARY EDUCATION AT YONSEI UNIVERSITY



President Kap-Young Jeong  
October 30, 2014

# SOUTH KOREA, 1950-Today



President Park Geun-hye's

# “Creative Economy”



Interdisciplinary approach



Convergence & Integration



Creativity

# Yonsei University

Founded in 1885 by Christian missionaries, Yonsei's mission is to foster leaders who will contribute to humanity in the spirit of "truth and freedom"



# **81-90th University in the World**

2014 Times Higher Education World Reputation Rankings

# **16th University in Asia**

2014 QS Asian University Rankings

# **No. 1 University in Korea**

2012 JoongAng Daily National University Rankings

# World's Top 20 Private Universities



\* According to 2014 Times Higher Education World Reputation Rankings

Communication

Creativity

4Cs

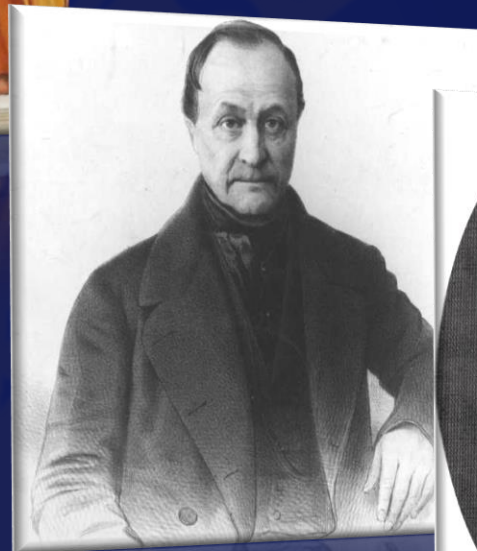
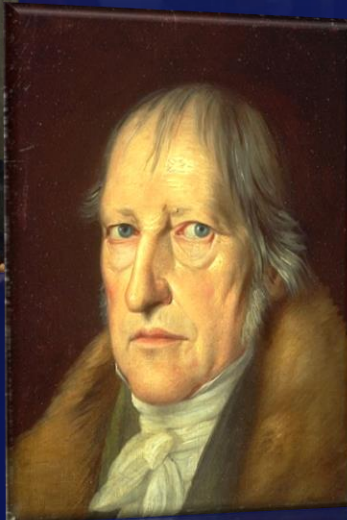
Convergence

Cultural  
Diversity

unified science

Philosophy

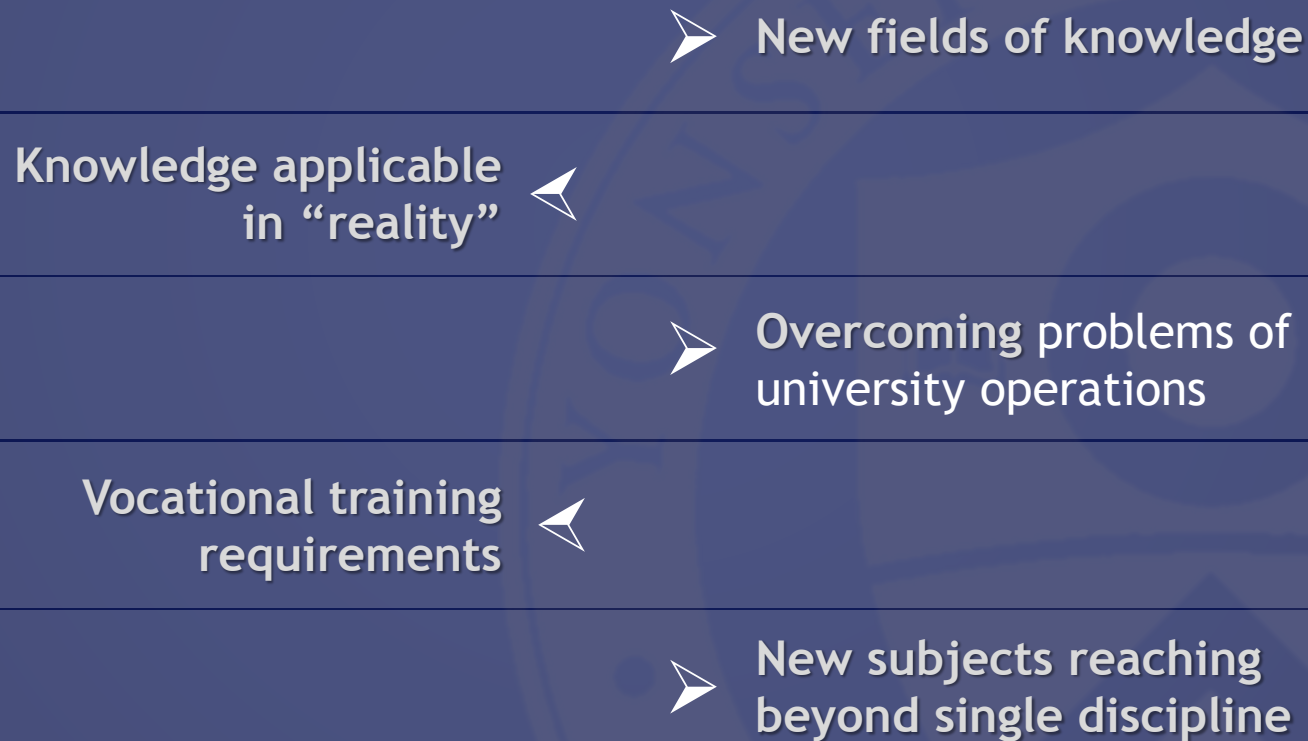
unity of knowledge



synthesizing knowledge

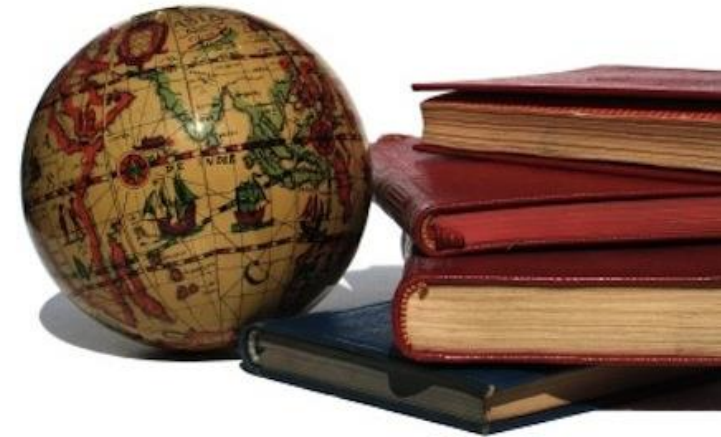


# 5 FACTORS IN THE RISE OF INTERDISCIPLINARITY



# Liberal Arts Education

- Promotes interdisciplinarity
- Promotes critical thinking
- Emphasizes tools over content
- Deemphasizing majors or fields of study



**Students are more likely to engage in diversity-related activities  
and have better understanding of people from diverse backgrounds**

# 7 OUTCOMES OF LIBERAL ARTS EDUCATION

Integration  
of  
learning

Inclination  
to inquire  
&  
Lifelong  
learning

Effective  
reasoning  
&  
Problem  
solving

Moral  
character

Inter-  
cultural  
effective-  
ness

Leadership

Well-being



Present 2014



# International organizations in Songdo



**GREEN  
CLIMATE  
FUND**



**UNOSD**



**UNCITRAL**



**United Nations  
ESCAP**



**United Nations  
ESCAP**

**UN APCICT**



**UNISDR**

The United Nations Office for Disaster Risk Reduction

# Development of Yonsei International Campus



2006 Ocean → Land claimed

2014 Campus

1885

## Residential College

- Holistic, full-time education which integrates living and learning
- New paradigm of higher education in Korea



## Holistic Education

- Giving back to community
- Mentoring programs
- Service leadership





# Underwood International College

- English-language, liberal arts institution
- Provides premium, Ivy League-caliber education
- Encourages vibrant intellectual exchange through its interdisciplinary majors
- 3 Fields
  - ① Underwood
  - ② Humanities, Arts & Social Sciences
  - ③ Integrated Science & Engineering



# Underwood International College

3 Fields, 5 Divisions, 16 Majors

## Underwood Field

### Underwood Division

- Comparative Literature and Culture
- Economics
- International Studies
- Political Science and International Relations
- Life Science and Biotechnology

## Humanities, Arts & Social Sciences (HASS) Field

### Asian Studies Division

- Asian Studies

### Techno-Art Division

- Information & Interaction Design
- Creative Technology Management
- Culture & Design Management

### Integrated Social Sciences Division

- Justice & Civil Leadership
- Quantitative Risk Management
- Science, Technology & Policy
- Sustainable Development & Cooperation

## Integrated Science & Engineering Field

### Integrated Science & Engineering Division

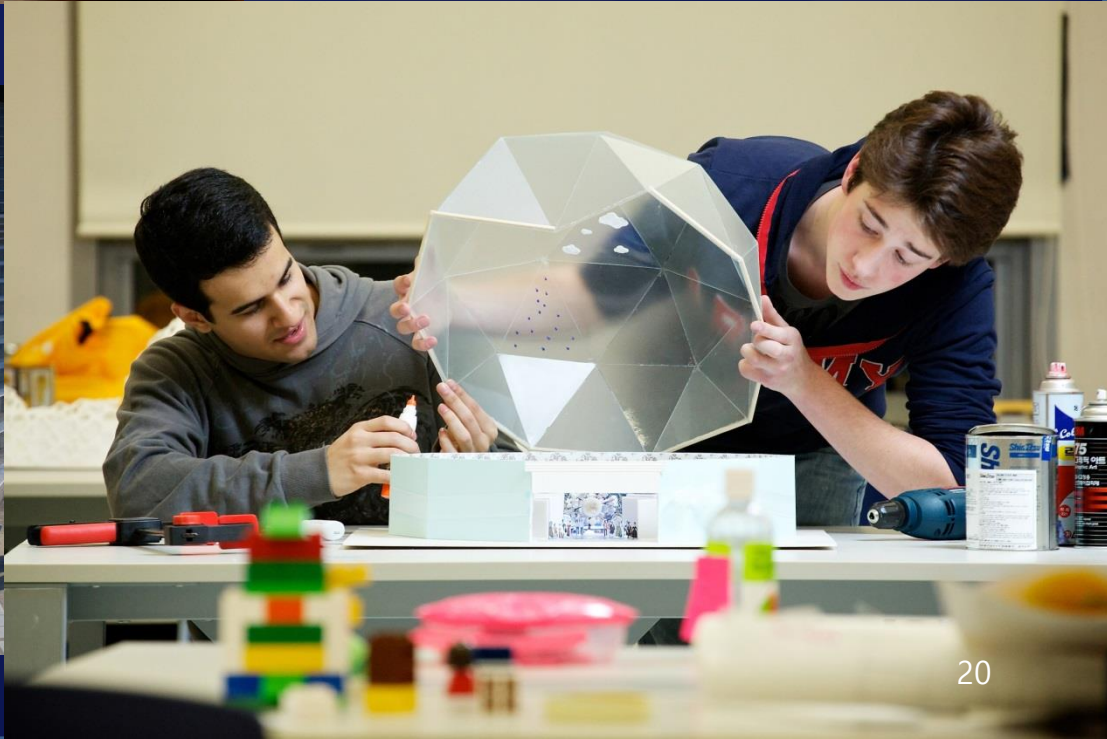
- Bio-Convergence
- Energy & Environmental Science & Engineering
- Nano Science & Engineering

# Underwood International College



More than 350 students from 50 countries

*As of September 2014*



# Yonsei Institute of Convergence Technology & School of Integrated Technology

## Yonsei Institute of Convergence Technology

Computation & Communications  
Seamless Transportation  
Smart Living  
Medical Systems

## School of Integrated Technology

IT  
Nano/Bio  
Energy  
Environment

### Research and Education Institutions



### Industry & Government

SAMSUNG



# ICONS: Institute of Convergence Science

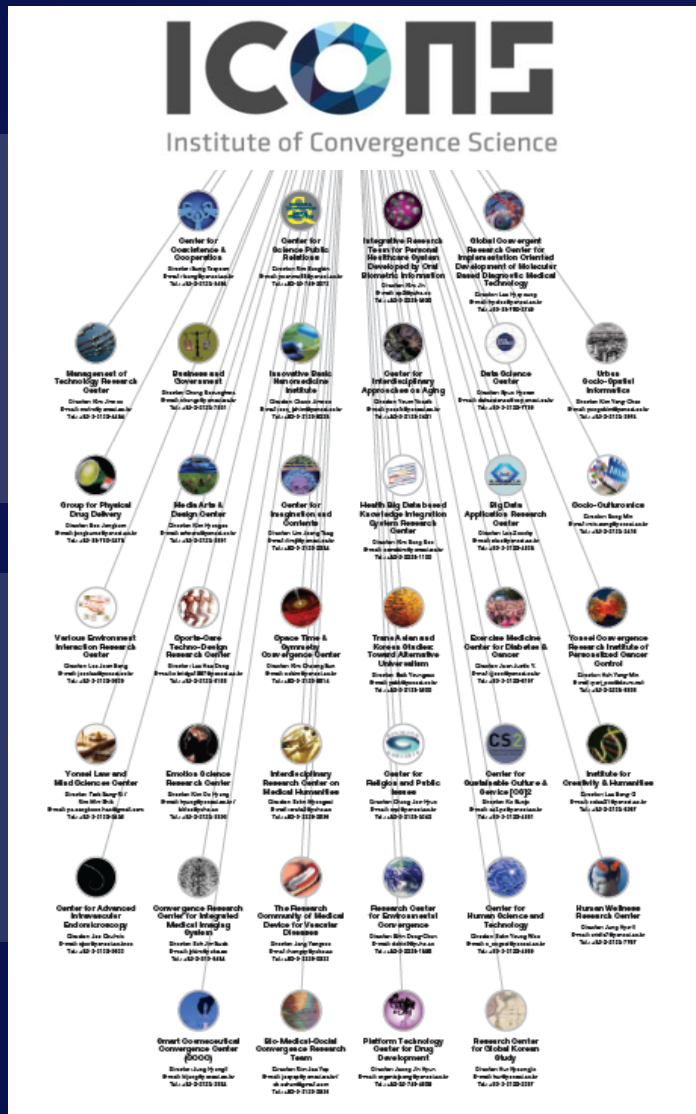
50 Centers in four campuses

## 3 Values

- Excellence
- Autonomy
- Open-mindedness

## 3 Goals

- Leading Global Convergence Research
- Hub of Yonsei Convergence Research
- Creating New Knowledge and Value



# Multi-campus System



Sinchon Campus



International Campus



Wonju Campus



Yonsei University Health System <sup>23</sup>

# Administrative Convergence

## INFORMATION & RESOURCE SHARING



## MOBILITY



## COLLABORATION



## STRENGTHENING NETWORKS



# Employers on the liberal arts

Employers are in agreement with a broad set of college learning goals.

Strongly agree with this statement about the aims of college learning Somewhat agree

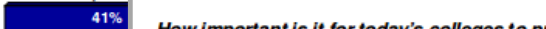
All students should have educational experiences that teach them how to solve problems with people whose views are different from their own



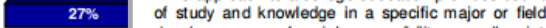
All students should learn about ethical issues and public debates important in their field



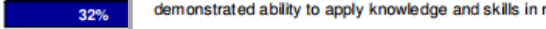
All students should have with others to solve prob



All should take courses t ment to communities, en



All students should acqu liberal arts and sciences



All should learn about so U.S. and global issues an



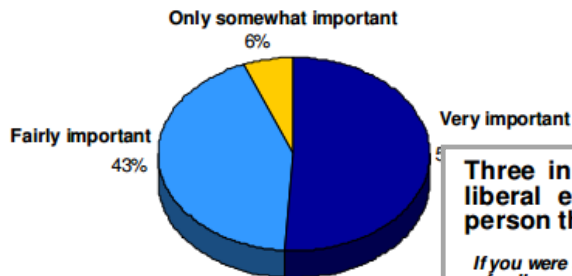
93%

capacity to think critically and communicate clearly is more important than undergraduate major

Employers endorse the concept of a liberal education.

How important is it for today's colleges to provide this type of education?

"This approach to a college education provides both broad knowledge in a variety of areas of study and knowledge in a specific major or field of interest. It also helps students develop a sense of social responsibility, as well as intellectual and practical skills that span all areas of study, such as communication, analytical, and problem-solving skills, and a demonstrated ability to apply knowledge and skills in real-world settings."



75%

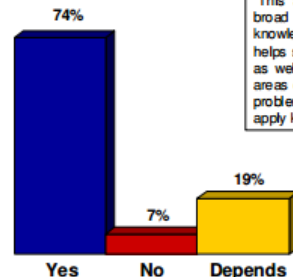
higher education should place more emphasis on these skills

80%

all college students should acquire broad knowledge in the liberal arts and sciences

Three in four would recommend the concept of a liberal education to their own child or a young person they know.

If you were advising your child or a young person you know about the type of college education they should seek to achieve in order to achieve professional and career success in today's global economy, would you recommend they pursue an education like the one described below?



"This approach to a college education provides both broad knowledge in a variety of areas of study and knowledge in a specific major or field of interest. It also helps students develop a sense of social responsibility, as well as intellectual and practical skills that span all areas of study, such as communication, analytical, and problem-solving skills, and a demonstrated ability to apply knowledge and skills in real-world settings."

# New discoveries

Access

Ubiquitous

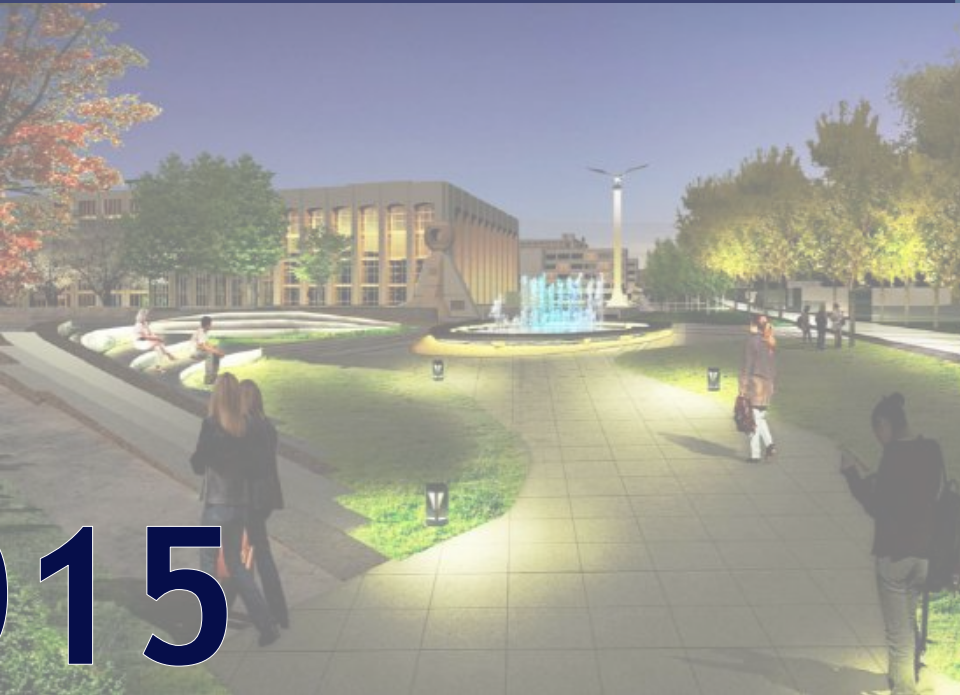
Creating knowledge

Information sharing

Visual

Interactive





**2015**

**YONSEI's  
130<sup>th</sup> ANNIVERSARY**



YONSEI,  
where we make *history*





Microsoft Research Asia

**FACULTY  
SUMMIT**

2014 October 30-31  
Beijing, China

Thanks