

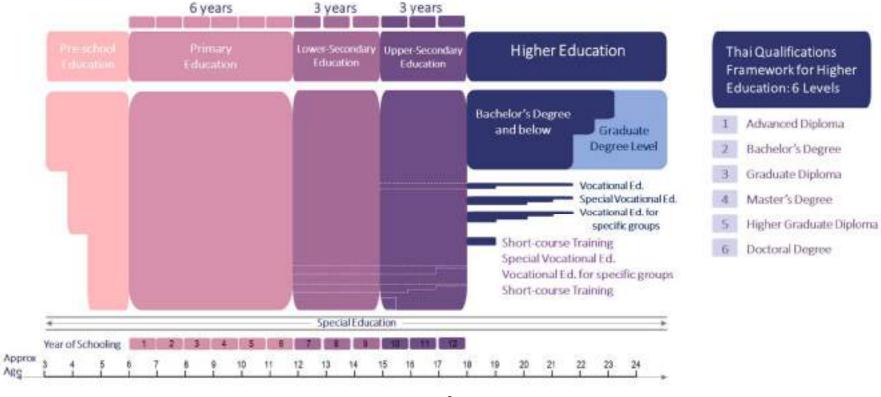
THAILAND'S EDUCATION SYSTEM and THAI QUALIFICATIONS FRAMEWORK

Assoc. Prof. Bundit Thipakorn Senior Vice President for Academic Affairs King Mongkut's University of Technology Thonburi National Information Centre (NIC) - Japan January 30, 2023





Thai Education System







Thailand's Higher Education Admission System

Completion of secondary education is required for TCAS applicants. Students who have completed secondary education abroad need to pass an additional General Educational Development (GED) test of subjects: language reading and writing, social studies, mathematics, and science, with minimum 145 points for each subject, and also submit an Equivalence Certificate along with GPAX (Cumulative Grade Point Average) Equivalence Certificate.

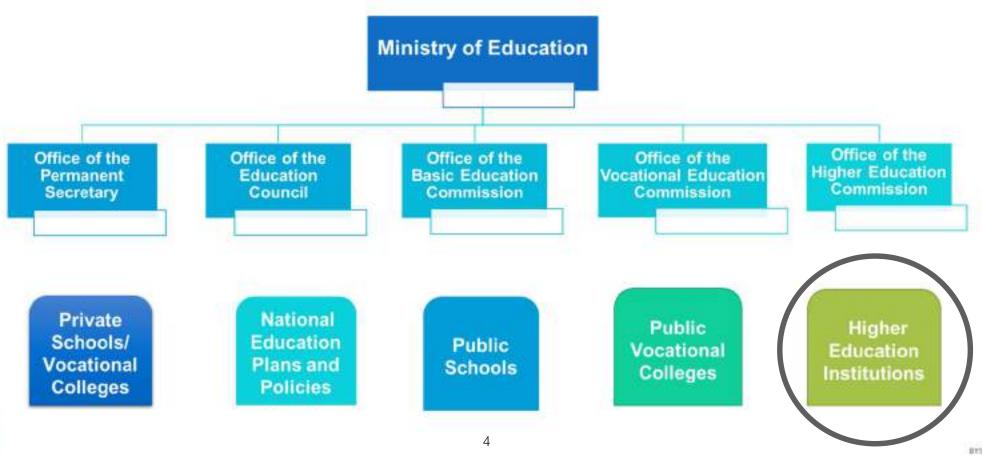


- The first round: Portfolios
- · The second round: Quota
- · The third round: General Admission
- The fourth round: Direct Admission





Education in Thailand: Before 2 May 2019





Education in Thailand: From OHEC to MHESI

Since 2 May 2019



Higher Education

Office of the Higher Education Commission

83 Public University 72 Private University

Science & Technology

Government body

Public Organization

Autonomous Public Agency

State Enterprise

Research Agency

National Research Council of Thailand

Thailand Research Fund





VISION

MHESI is a leading organization to drive the Higher Education, Science, Research and Innovation to international standard and sustainably enhance the nation's competitiveness to international level within 2037.







MHESI: Organization The Ministry of Higher Education Science Research and Innovation

Government

- Office of the Minister
- Office of the Permanent Secretary
- National Research Council of Thailand
- Department of Science Service
- Office of Atoms for Peace
- Public University

Public Organization

- Geo-Informatics and Space
 Technology Development
 Agency
- Thailand Institute of Nuclear Technology
- Thai Synchrotron National Lab
- National Astronomical Research Institute of Thailand
- Hydro-Informatics Institute
- National Innovation Agency
- Thailand Center of Excellence for Life Sciences

Autonomous Public Agency

- Office of National Higher
 Education Science Research
 and Innovation Policy Council
- Thailand Science, Research and Innovation
- National Science and Technology Development Agency
- National Institute of Metrology of Thailand
- Autonomous University

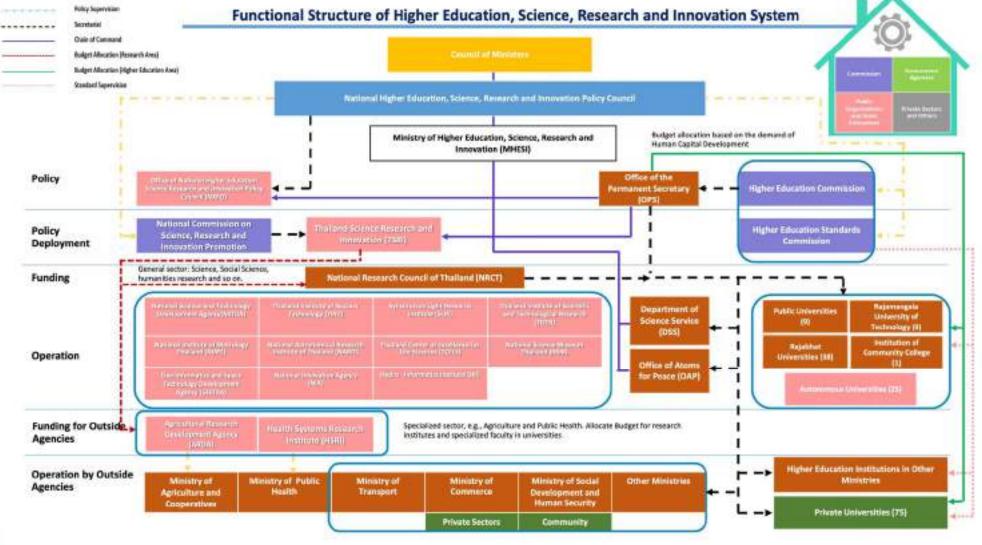
State Enterprise

- Thailand Institute of Scientific and Technological Research
- National Science
 Museum of Thailand



7







IIVST



Ministry of Higher Education, Science, Research and Innovation: Policies and Strategies (2020-2027)

Manpower and Knowledge Development

- P.1 National Brain Power Ecosystem
- P.2 Highly Skilled Workforce for Eastern Economic Corridor (EEC) and New Growth Engines
- P.3 Lifelong Education and Future Skills Set
- P.4 Artificial intelligence for All
- P.5 Frontier research
- P.6 Big Science

4. Research and Development for Area-Based and Inclusiveness

- P.13 Local Economy and Innovation Community
- P.14 Poverty Eradication
- P.15 Smart/Livable City



2. Research, Development and Innovation for Grand Challenges

- P.7 Resources, Environment, and Agriculture
- P.8 Aging Society
- P.9 Quality of Life and Security

3. Research, Development and Innovation for Competitiveness

- P.10 RDI for New Economy
- P.11 Startup, IDEs and Innovation Ecosystem
- P.12 National Quality Infrastructure and Services

P.16 Reinventing Universities & Research Institutes

P. 17 Research & Innovation for National Crisis





Higher Education Plan for Human Resource Development (2023-2027)

GOALS

- High quality higher education available for all Thai people of all ages.
- That higher education institutions are essential actor in fostering knowledge , research, and innovation for economic competitiveness of the country.

Research & Ecosystem Building

- Research Innovation
 & Technology Transfer
- Entrepreneurship Development

Capacity Building

- · Lifelong Learning
- Quality & Competencies
 Enhancement
- Brainpower & Talents

Human Resource Development & Economic Growth HE Transformation

- Good Governance
- Reinventing Universities
- Financial Security
- Digital Higher Education





Strategic Direction for Post-COVID 19 Recovery



Promoting Human Values, Social Changes and Sustainability

Implementing Bio-Circular-Green Economy



Reinventing Higher Education and Human Capital







Thai Higher Education Standards

I. Ministerial Regulations on Standards for Higher Education **Provision**

II.Ministerial Regulation on Standards for Higher Education **Curriculum**







Ministerial Regulations on Standards for HE Provision

Premises and

Resources

· Strategic & Operational Plan

- Good Governance
- Monitoring, Auditing,
 & Evaluation

criteria to ensure the communication and monitoring of policies and practices, demonstrate continuous improvement, and comply with the principles of good governance

- . Teaching & Learning
- · Research & Innovation
- · Academic service

criteria to ensure the effective operations of higher education institutions

criteria for establishment and viabilit of the higher education institutions

- · Infrastructure & Physical facilities
- · Academic programs
- Staff
- Budget & Finance
- Support service

Powers and Obligations

Instructional

Management







Ministerial Regulations on Standards for HE Qualifications



Level of study

Associate Degree

Bachelor Degree

Graduate Degree

Learning outcome

Knowledge

Skills

· Ethic and Character

Qualified programs

Publicized by MHESI

Monitoring & Evaluation By the Commission on HE Standards to ensure the quality of HE





Improve the level of competences, skills and potential

HE Curriculum Standards Promote a culture of lifelong learning

Enhance flexible learning pathways



Emphasize institutional academic freedom





Ministerial Regulations on Standards for HE Curriculum

Associate Degree

> 60 credits (2-year program)

90 credits (3-year program) Bachelor's Degree

> 120 credits (4-year program)

> 150 credits (5-year program)

180 credits (6-year program)

72 credits (continuing program) Master's Degree

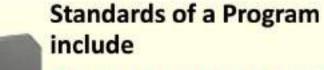
36 credits

72 credits (Bachelor' s degree holder

Doctoral

Degree

48 credits (Master's degree holders)



- Degree title, philosophy and objectives of the program, standards of learning outcomes
- Structure, credit system, learning management
- · Administration & management
- Learning outcome assessment & Graduation requirements
- Quality assurance
- Curriculum development & improvement









What if ...

- Work constantly changes every two years
- 70 is a new 51 year old younger for longer...
- Technology could solve the global supply-demand mismatch



CONTINUOUS DISRUPTIONS











and WE must focus more on LEARNING ENVIRONMENT











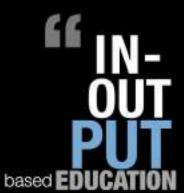
















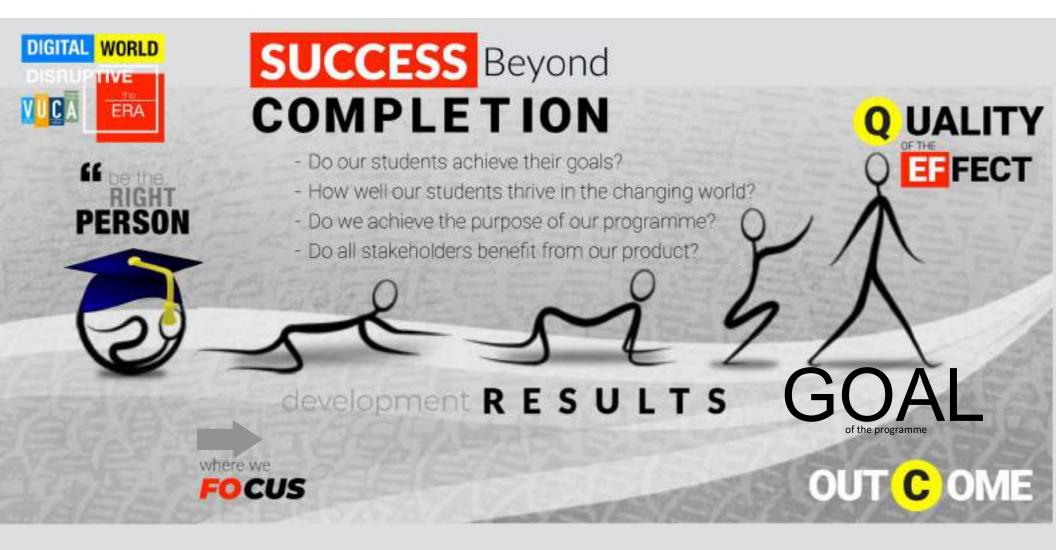


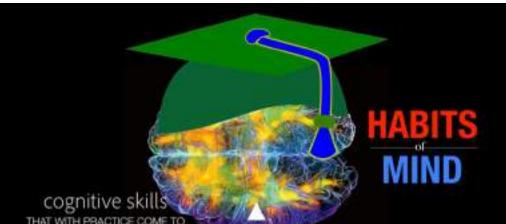
- Autonomy and Diversity
- Produce "LEARNING"
- learn to "BE" ... CHARACTER...
- Develop "COMPETENCE" by creating learning environment
- Learning and student success PEMSInput and resources outcomes
- Improve quality of learning
- curriculum as a "process"



- Regulated and One sided fit all
- Provide "INSTRUCTION"
- learn to "KNOW"
- Offer "COURSES" (learning environment is hidden)
- Improve quality of instruction
- curriculum as a "product"











"PATTERNS OF INTELLECTUAL BEHAVIOUR ..."

a disposition toward behaving intelligently when confronted with problems ...



LEARNING ACHBIVEMENT









CUSTOMER & STAKEHOLDER

F C U S





Standard for higher education curriculum the minimum requirements of curriculums.

characteristics, quality, and other requirements which serve as criteria for promotion, supervision, inspection, monitoring and evaluation, as well as quality assurance of higher education

· Process Approach

 Evidence Based Decision Making

· Continuous Improvement









Policy Initiatives

Experiential Learning: Cooperative, WiL,

CWIE, etc.

Higher Education

Sandbox: Curriculum Development

Learning Outcomes Constant, Time Variable

National Credit Bank

Recognition Credits Among Thai Higher Education Institutes

> **New Generation** Graduates

> > Reinventing University





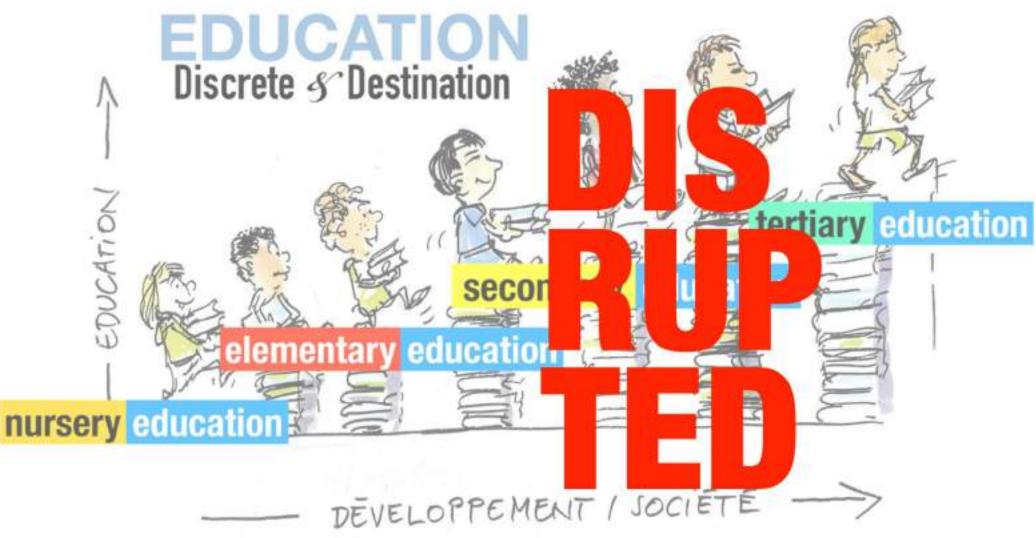
KMUTT for Lifelong Learning:

















EDUCATION

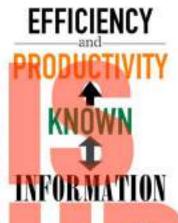


EMPLOY MENT



RETIREMENT

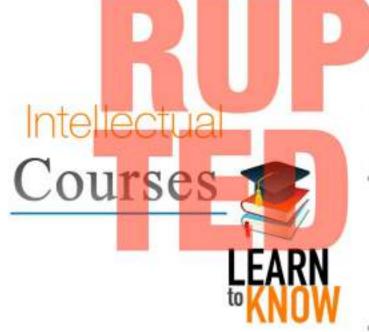


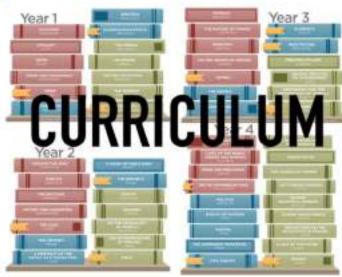
















COMPETENCES

will likely become the transmission and appropriation of transferable skills and competences that can be widely used and applied.

The core functions of a curriculum









CONSTRUCTING COMPETENCE

JOB READINESS CREDIBILITY





informally and outside the classroom

ERSAT ILIST



CAREER

- Multiple Deep Skills
- Wide Scope of Roles
- Broad Experience
- Recognised in Other Domains









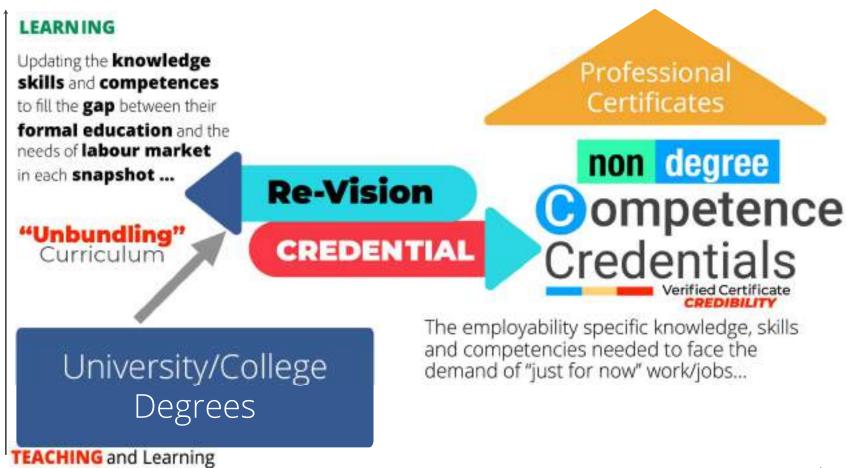
for workforces to learn throughout their









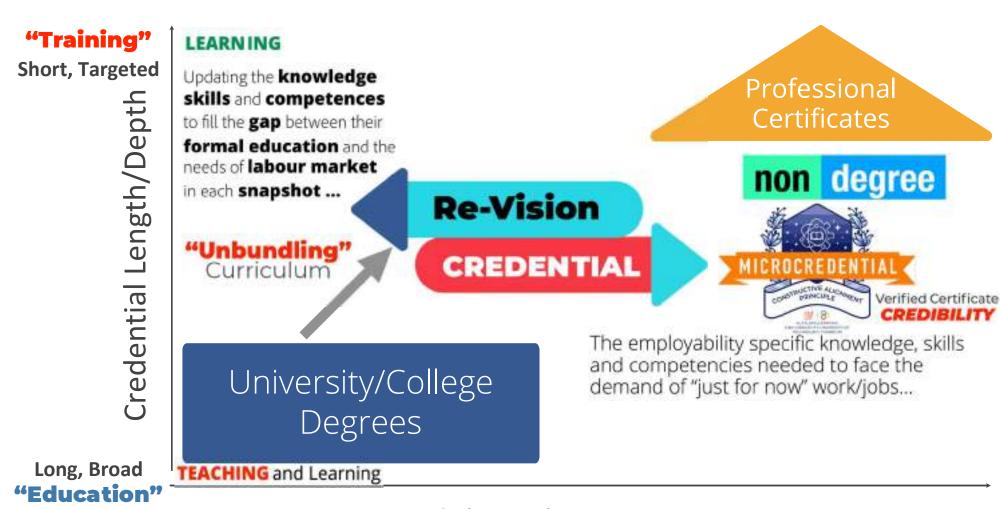


Long, Broad "Education"

Orientation to Marget















www.4lifelonglearning.org

Show us what you can. Move on when ready.





reimagining of higher education's business in the disruptive era ...

LEARNING CONTINUUM













connecting LEARNING to EARNING and RETURNING

for everyone at all ages

"Lifelong Learning and Employability"



CONSTRUCTING COMPETENCE

Education in human life cycle:







LIFELONG LEARNING





FLEXIBILITY
ADAPTABILITY
AGILITY In-Demand and
Just Right
Learning Pathway ...





- Discipline based programme
- Focus on constructing knowledge from teaching facts...
- Three-stage of life ...getting education, working, retiring ...
- Segregating on the basis of chronological age
- Long-term Career





NON DEGREE

- Competence/Competency based programme
- Focus on performance/behaviour to do the job ...transforming knowledge...
- Multi-stage of life ...maintaining employability by continuing learning...
- Contemporary jobs, Non-existing career

- Seat time education ...# of credit hours (of teaching) ...
- Synchronous learning

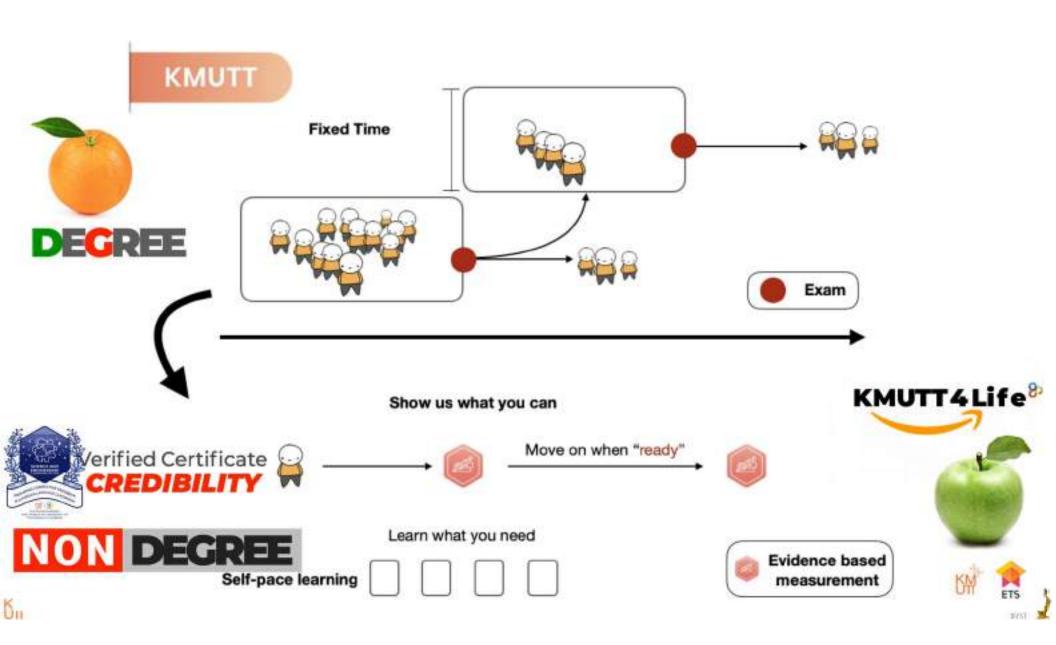
NON DEGREE

- Mastery learning ...being competent of doing something
- Personalise and on demand learning
- What should be learned and When it should be learned
- In-demand skills matching









KMUTT Micro-Credential

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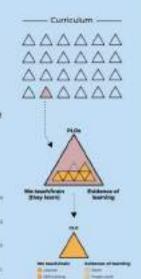


ROUTE



Bachelor's Degree Master's Degree PhD





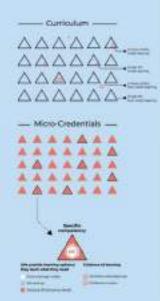
ROUTE



Micro-Credentials

What is Micro-Credentials?

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Learning Pathway





www.4lifelangleerning.org



