



MICRO-CREDENTIAL IN TECHNOLOGY & INNOVATION LEADERSHIP

LEAD THE NEXT TECHNOLOGICAL REVOLUTION.
DON'T JUST SURVIVE IT.

(HRDCORP COURSE SERIES NO: 10001667644)

Senior Lecturer Pieter Stek

**Videos are available beginning
April 13, 2026**

After watching the required videos,
live sessions are on:

- April 25, 2026
- April 26, 2026
- May 9, 2026
- May 10, 2026

**Course Credits:
1.5 Credits**



asb.edu.my/ace



Course Overview

This course explores how technology and innovation reshape businesses and equips leaders to navigate or even drive these transformations.

Grounded in historical patterns and theoretical frameworks, the course examines how technological revolutions unfold, not as random events, but as processes shaped by technological, societal, economic, and regulatory dynamics.

Students will analyze the sources of competitive advantage and study how innovation arises from unexpected places.





Course Outline

The curriculum covers the spectrum of innovation types (from incremental to radical, component to system) and the challenges of diffusion, adoption, and technological lock-in. Organizing for innovation is a central theme, drawing on models like Nonaka and Takeuchi's knowledge-creating organization and Technology Management Systems, while addressing the tensions between open and closed innovation, value capture, and the role of complementary assets.

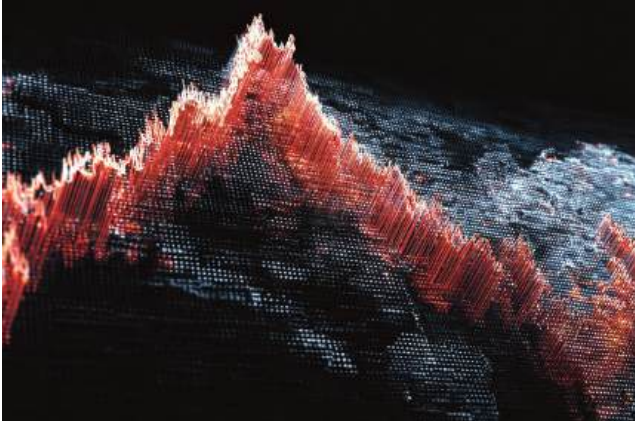
The course also investigates the spatial and relational contexts of innovation, including regional clusters, national systems, and global value chains, with a focus on emerging markets and the political dimensions of technological change. Through case studies and strategic frameworks, participants will learn to develop innovation strategies, forecast technological trends, and lead organizations in capturing value from innovation, all while critically assessing the risks of hype, lock-in, and ideological biases in technology-driven transformation.

The course consists of four main modules:

- Fundamentals of Technology and Innovation
- Organizational Perspective
- Innovation in Context
- Innovation Strategy and Leadership

Here's how you can stack up your Micro-Credential by scanning the QR code below.





Outcomes that Drive Business Growth

This course will enable you to:



Make Smarter Strategic Decisions

by monitoring innovation opportunities and acting decisively ahead of disruption.



Strengthen Competitive Advantage & Value Capture

through smarter business models and strategic collaboration choices.



Navigate Global Innovation Landscapes

to identify opportunities and risks across markets and policies.



Think Critically & Ethically About Technology

to cut through hype and make grounded decisions.



Apply Innovation in the Real World

using proven frameworks and impactful case studies.

Assessment

Learners must undergo the following assessment categories in order to attain the Certification in Micro-Credential in Technology & Innovation Leadership:

1. Continuous Assessment 50%
(pre-class quizzes, assignments, class participation)
2. Final Assessment 50%

Who Should Enroll

This course is particularly valuable for senior managers in dynamic industries—such as tech, manufacturing, or services—where innovation is a key driver of growth. It will help you not only anticipate and respond to disruption but also shape it, ensuring your organization remains competitive and agile in a rapidly evolving landscape.

Requirements/Prerequisite

While there are no strict prerequisites, the course will be most useful for people with an academic background in business, technology, science or engineering, or a few years' work experience in a technology-intensive environment, such as online services, manufacturing, infrastructure, engineering, or R&D.

Fees: RM8,500

Course Credits: 1.5 credit course

Duration of the Course:

The course is delivered over a period of 4 weeks (this includes time for learners to watch videos before the first live session)

Course Structure:

The course will have a total of four live-sessions held on Saturdays and Sundays from April.

1. Video Learning

Before the live-sessions, you will watch short video lectures lasting 20 to 40 minutes and complete assignments to cement your understanding of the videos.

2. Live Sessions

The live-sessions are held in hybrid format, beginning with a review of the video lecture, and followed by a discussion of the case of the day.

Live-session dates in table below:

Live-session	Date and Time
First Live-session	Saturday, April 25, 2026 9:00 a.m. – 12:15 p.m. (Malaysia Time)
Second Live-session	Sunday, April 26, 2026 10:00 a.m. – 1:15 p.m. (Malaysia Time)
Third Live-session	Saturday, May 9, 2026 9:00 a.m. – 12:15 p.m. (Malaysia Time)
Fourth Live-session	Sunday, May 10, 2026 10:00 a.m. – 1:15 p.m. (Malaysia Time)



Faculty



Pieter E. Stek is a Senior Lecturer and Faculty Director of the Center for Technology, Strategy and Sustainability (CTSS) at the Asia School of Business. Originally from the Netherlands, he grew up in Turkey, Nigeria, Syria and Malaysia. He received his PhD in the Economics of Technology and Innovation from Delft University of Technology, and Masters degrees in international relations and civil engineering from Yonsei University and the University of Twente, respectively.

His research interests include science, technology and innovation studies, sustainability issues (including ESG and carbon markets), and economic geography, with a focus on Southeast Asia.

Prior to his current role, Dr Stek was a postdoctoral scholar at Asia School of Business's Center for Technology, Strategy and Sustainability (CTSS) and the ASEAN Research Center (ARC). He was also an adjunct faculty member at Chonbuk National University, Myongji University, Yeungnam University, and the University of Malaya.

He serves as managing editor at *Quality & Quantity*, a social science methodology journal founded in 1967, and has work experience in both the private and public sector.

More about his research and professional activities can be found at the website www.pstek.nl.

RM8,500 or approx USD1,848*

*This ACE course is exempt from Malaysian SST for Malaysian participants, as it forms part of ASB's accredited degree program. A 6% SST charge will apply to international participants starting July 1, 2025, as announced by the Royal Malaysian Customs Department.

The ACE courses are:

- Stackable to degrees. They can be combined to gain eligibility to apply for comprehensive qualifications, culminating in the ASB Master of Business Administration (full-time 12 months) or Executive Master of Business Administration degrees (part-time 16 months).
- HRD Corp and STF claimable by eligible Malaysian employers, terms and conditions apply.



Register now for this course:

Asia School of Business, ASB Academic,
11 Jalan Dato' Onn, 50480 Kuala Lumpur
Ministry of Higher Education Malaysia
Registration No: DU046(W)

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