Blended Learning International | GLOBAL DEVELOPMENT LEARNING NETWORK GDLN | KDI SCHOOL KDI School of Public Policy and Management

NATIONAL CYBER EMERGENCIES POLICY

EXECUTIVE CERTIFICATE

22 June - 22 July 2021: 8 Sessions (Tuesdays and Thursdays, with one week mid-course break)

www.blendedlearning.edu.au | www.kdischool.ac.kr | www.gdlnglobal.org

WHY THIS COURSE?

The Global Development Learning Network (GDLN) is helping to support Executive Certificates as a new initiative which commenced in 2020. It is working with GDLN affiliates the Korea Development Institute School of Public Policy and Management (KDIS) and Blended Learning International, for this course accreditation and delivery. The focus for this course is National Cyber Emergencies Policy.

In response to the challenges of COVID-19, GDLN convened a series of webinars and executive courses around the globe to assist in 2020 and early 2021. Countries everywhere are still grappling with this pandemic and its consequences. But countries everywhere are also now highly attuned to the need to be prepared for other new challenges. Pre-eminent amongst these, in the modern digital era is cyber security.

At the highest level, cyber emergency policy affects communities, business, governments at all levels, regional relationships, and international security. This new course equips participants to engage more effectively with the demands of resilience planning for such situations. The world has witnessed an escalating sense of crisis around state-sponsored cyber attacks since 2015, which was when the United States first declared a national emergency in cyberspace. Critical infrastructure in every country is being attacked regularly. There has been a shift for many governments, from a focus on cooperative resilience-oriented approaches at national level to more highly regulated, state-led civil defence initiatives. But the shift is far from universal.

Civil defence strategies have come into play but the global experience of that has not been consistent or even that successful. The course addresses a number of key thematic issues to demonstrate a disconnect between the deepening sense of vulnerability and the availability of viable solutions at the national level. Awareness of this gap may ultimately lead to more internationally oriented cooperation, but the trend for now appears to be more conflictual and rooted in a growing sense of insecurity. This can be addressed.

The Executive Certificate course is to be delivered online in twice weekly sessions over four weeks. Each of these sessions is 90 minutes (45 minutes Foundation Sessions + 45 minutes Application Sessions). The Certificate award is to be validated on course participation, but no further assessment is required at this executive level. The course has been designed to meet standards required for KDIS endorsement and accreditation.

The earlier webinars and executive courses on Pandemic and Resilience Policy were very well-received. Course evaluation was ninety-five percent plus excellent. As regards for different time zones, this course will be delivered directly for the Asia-Pacific region, but those in other regions are very much encouraged to participate.

COURSE CONTENT AND APPROACH

The course is to be delivered live online. It is being coordinated by ANU Professor Glenn Withers, GDLN Global Board Chair, advised by Professor Greg Austin, from the International Institute of Strategic Studies (IISS), Singapore, and editor of *National Cyber Emergencies*, Routledge, London, 2020. Additional expert presenters join the course from countries in the Asia-Pacific region and around the world.

Each ninety minute session provides first a framework for resilience followed by an expert application from experience of major cyber emergencies. The course is delivered in English.

Upon completion of this course, participants will be able to understand the:

- International and national approaches in national cyber and emergency policy,
- Importance of multi-dimensional analytic approaches (economic, social and environmental),
- Centrality of the human perspective, alongside engineering, science and technology
- Linkage between preparedness, response, recovery, and longer term management,
- Lessons of success and failure in national cyber emergencies policy, and
- Commonalities in cyber policy for quite distinct threats.

12 HOURS FACE TIME

DELIVERED OVER FOUR TEACHING WEEKS BY ZOOM

PROPOSED TOPICS*

- Course Introduction
- Cyber Security Introduction

Foundation Sessions

- Cyber Security Knowledge for Resilience
- Scenarios for Cyber-Related Technology of the Future
- Cyber Security Management of Critical Energy Infrastructure
- Attack Forms: Ransomware
- Communication and Leadership on Cyber Emergency
- International Influence on National Cyber Emergency Policy
- Policy Responses: Local, National, or Alliance?
- Cyber-Security Education

Application Sessions

- National Cyber-Security Policy in Korea
- European Cyber Policy
- Comparative Group Stakeholder Analysis for Cyber Policy
- Cyber Entanglement Case Studies for India and China
- Disinformation in Australia
- Korean Experience in Technology and Security Preparedness
- Economic and Social Dimensions of Cyber Emergencies
- Global Experience in ICT Education
- Cyber Security Initiatives: a Sri Lankan Perspective

***Subject to confirmation.**

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PROPOSED SPEAKERS*

- Professor Greg Austin - IISS Singapore & Social Cyber Group
- Professor Yun Haiyoung - Korea Development Institute School
- Dr. Lee Jeong-Min - Korea Internet and Security Agency
- Adam Henry - University of NSW Canberra
- Lisa Materano - Blended Learning International
- Dr. Kanishka Karunasena - Head of Research, Policy and Projects, Sri Lanka CERT
- Dr. Elina Noor - D K Inouye Asia Pacific Centre for Security Studies, Honolulu
- Karine Pontbriand - University of NSW Canberra
- Matt Ryan - APRA & UNSW Canberra
- Tom Sear - University of NSW Canberra
- Dr. Eneken Tikk - Cyber Policy Institute, Finland
- Professor Manuela Tvaroniviciene - Vilnius Gediminas, Technical University, Lithuania
- Professor Glenn Withers - ANU & Social Cyber Group
- Jaeson Yoo - Chief Strategy Officer, Autocrypt Co Ltd., Korea

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COURSE ARRANGEMENTS

Course Dates and Times*:

Tuesday 22 June, 17:00 - 18:30 AEST

Thursday 24 June, 17:00 - 18:30 AEST

Tuesday 29 June, 17:00 - 18:30 AEST

Thursday 1 July, 17:00 - 18:30 AEST

Tuesday 13 July, 17:00 - 18:30 AEST

Thursday 15 July, 17:00 - 18:30 AEST

Tuesday 20 July, 17:00 - 18:30 AEST

Thursday 22 July, 17:00 - 18:30 AEST

*Please check local relevant time zones to match AEST (Australian Eastern Standard Time).

Course Scholarships:

KDIS Scholarship applications to cover the full fee are available for participants nominated by GDLN affiliates. Please contact Lisa Materano as indicated below for more information. **Applications closing date for scholarships is Tuesday June 15th 2021** , but late applications are welcome and will certainly be considered if positions are still available.

Participants who work in cyber emergency related employment are especially welcome, but the course is also fully accessible to participants from all backgrounds.

Other Course Entry:

A fee of $500 USD may also be paid to obtain participation for those not supported by KDIS Scholarships. For group enrolments, fee details will be provided upon request.

For more information contact Lisa Materano as indicated below.

INFORMATION CONTACT

For more information and enrolment assistance, please contact:

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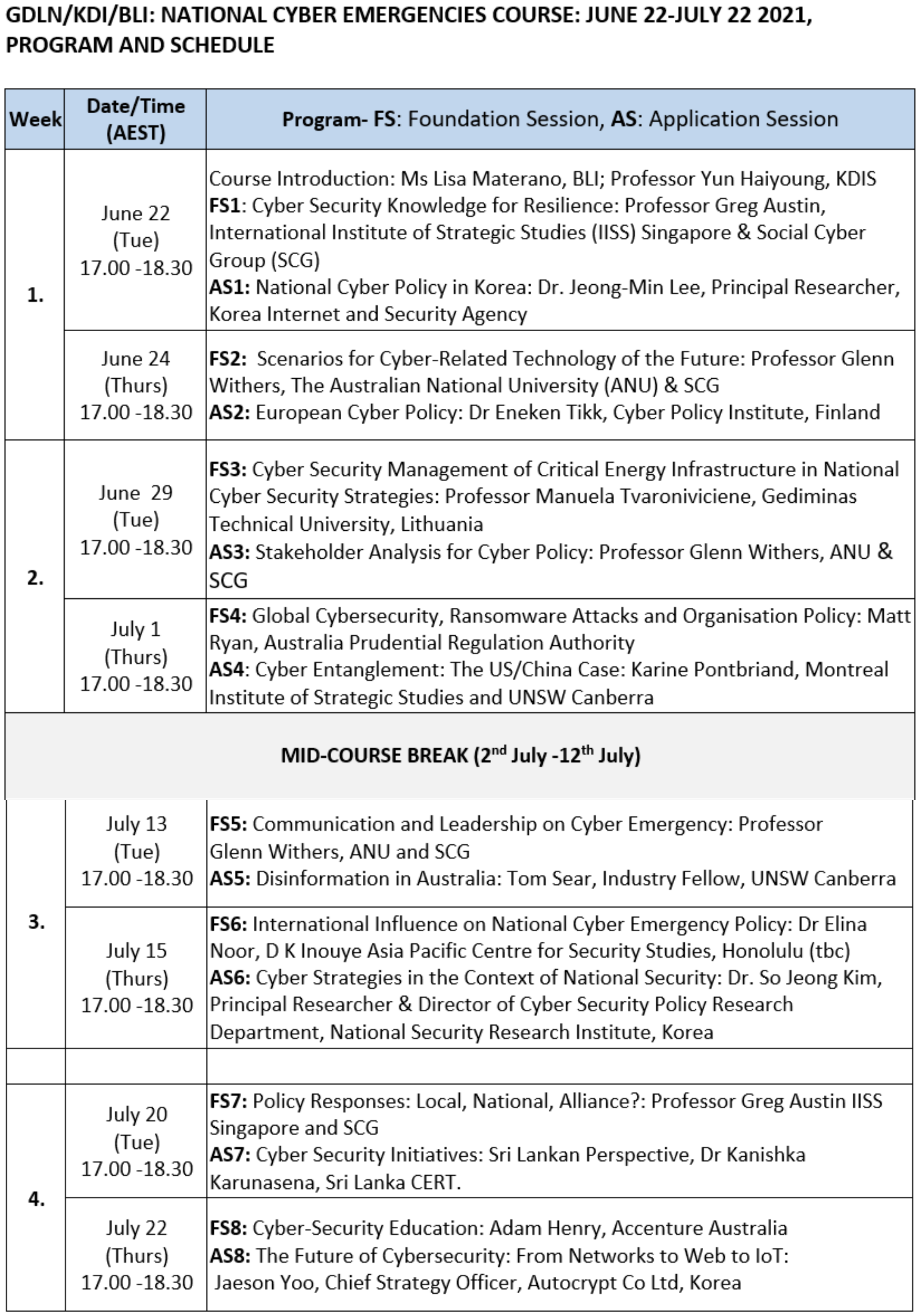
Updates with any speaker or topic changes may be issued separately.



GDLN/KDI/BLI: NATIONAL CYBER EMERGENCIES COURSE: JUNE 22-JULY 22 2021, PROGRAM AND SCHEDULE

Week	Date/Time (AEST)	**Program- FS**: Foundation Session, **AS**: Application Session
1.	June 22 (Tue) 17.00 -18.30	Course Introduction: Ms Lisa Materano, BLI; Professor Yun Haiyoung, KDIS **FS1**: Cyber Security Knowledge for Resilience: Professor Greg Austin, International Institute of Strategic Studies (IISS) Singapore & Social Cyber Group (SCG) **AS1:** National Cyber Policy in Korea: Dr. Jeong-Min Lee, Principal Researcher, Korea Internet and Security Agency
	June 24 (Thurs) 17.00 -18.30	**FS2:** Scenarios for Cyber-Related Technology of the Future: Professor Glenn Withers, The Australian National University (ANU) & SCG **AS2:** European Cyber Policy: Dr Eneken Tikk, Cyber Policy Institute, Finland
2.	June 29 (Tue) 17.00 -18.30	**FS3:** Cyber Security Management of Critical Energy Infrastructure in National Cyber Security Strategies: Professor Manuela Tvaroniviciene, Gediminas Technical University, Lithuania **AS3:** Stakeholder Analysis for Cyber Policy: Professor Glenn Withers, ANU & SCG
	July 1 (Thurs) 17.00 -18.30	**FS4:** Global Cybersecurity, Ransomware Attacks and Organisation Policy: Matt Ryan, Australia Prudential Regulation Authority **AS4**: Cyber Entanglement: The US/China Case: Karine Pontbriand, Montreal Institute of Strategic Studies and UNSW Canberra
MID-COURSE BREAK (2nd July -12th July)		
3.	July 13 (Tue) 17.00 -18.30	**FS5:** Communication and Leadership on Cyber Emergency: Professor Glenn Withers, ANU and SCG **AS5:** Disinformation in Australia: Tom Sear, Industry Fellow, UNSW Canberra
	July 15 (Thurs) 17.00 -18.30	**FS6:** International Influence on National Cyber Emergency Policy: Dr Elina Noor, D K Inouye Asia Pacific Centre for Security Studies, Honolulu (tbc) **AS6:** Cyber Strategies in the Context of National Security: Dr. So Jeong Kim, Principal Researcher & Director of Cyber Security Policy Research Department, National Security Research Institute, Korea
4.	July 20 (Tue) 17.00 -18.30	**FS7:** Policy Responses: Local, National, Alliance?: Professor Greg Austin IISS Singapore and SCG **AS7:** Cyber Security Initiatives: Sri Lankan Perspective, Dr Kanishka Karunasena, Sri Lanka CERT.
	July 22 (Thurs) 17.00 -18.30	**FS8:** Cyber-Security Education: Adam Henry, Accenture Australia **AS8:** The Future of Cybersecurity: From Networks to Web to IoT: Jaeson Yoo, Chief Strategy Officer, Autocrypt Co Ltd, Korea